रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

RRB NTPC 2019 CBT-2 Level 3

Non-Technical Popular Categories | CEN 01/2019 | CBT-2 | Pay Level 3

ENGLISH ANSWER KEY

Official Answer Key

All 5 Shifts · 14-06-2022 to 17-06-2022

Questions	120
Marking	+1 correct / -1/3 wrong
Duration	90 minutes
Sections	Maths 35 · Reasoning 35 · GA 50

Every paper is set out as the official RRB response sheet, typed from the saved paper, with the official answer key marked. No candidate details are included.

HOW TO USE THIS BOOK

1. Open the INDEX on the next page.
2. Click any row to jump straight to that date and shift.
3. The correct option is ticked in green; the other options are crossed in red.
4. Use the bookmarks panel of your PDF reader to move between shifts.

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Score & Rank Calculator · rank.qmaths.in

Compiled 02 November 2026

INDEX · Click any row to open that paper

RRB NTPC 2019 CBT-2 Level 3 (English) · 5 shifts

DAY	DATE	SHIFT	TIME	PAGE
Day 1	**14-06-2022**	Shift 1	09:00 - 10:30	**3**
Day 1	**14-06-2022**	Shift 2	12:45 - 14:15	**23**
Day 2	**17-06-2022**	Shift 1	09:00 - 10:30	**44**
Day 2	**17-06-2022**	Shift 2	12:45 - 14:15	**64**
Day 2	**17-06-2022**	Shift 3	16:30 - 18:00	**84**

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सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Test Date	14/06/2022
Test Time	9:00 AM - 10:30 AM
Subject	NTPC

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **NTPC**

Q.1 In economics, what does 'Budget Surplus' mean?

Ans
- ✗ A. When the amount spent is equal to the revenue collected
- ✓ B. When the revenue collected exceeds the required expenditure
- ✗ C. When the expenditure exceeds income
- ✗ D. When the revenue collected is negligible as compared to the expenditure

Q.2 The second number in each of the number-pairs is obtained by performing certain mathematical operations on the first number. Three of the following four number-pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

Ans
- ✗ A. 21 : 438
- ✗ B. 18 : 321
- ✗ C. 17 : 286
- ✓ D. 19 : 357

Q.3 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

a) Some suitcases are pouches.

b) Some bags are purses.

c) All pouches are purses.

Conclusions:

I. Some suitcases are purses.

II. Some purses are bags.

III. All purses are pouches.

Ans
- ✗ A. Only conclusions II and III follow.
- ✓ B. Only conclusions I and II follow.
- ✗ C. All the conclusions follow.
- ✗ D. Only conclusions I and III follow.

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Q.4 Which of the following devices is used to measure atmospheric pressure?

Ans
- ✗ A. Odometer
- ✗ B. Thermometer
- ✓ C. Barometer
- ✗ D. Tetrameter

Q.5 Which of the following numbers is divisible by 7, 11 and 13?

Ans
- ✗ A. 1004001
- ✗ B. 1005001
- ✓ C. 1002001
- ✗ D. 1003001

Q.6 One of the largest dams of the world, Hirakud Dam, is built across the _____ river.

Ans
- ✗ A. Narmada
- ✓ B. Mahanadi
- ✗ C. Beas
- ✗ D. Kaveri

Q.7 The value of $(1\frac{1}{3} \times 1\frac{4}{5} \div \frac{3}{5}) \times \frac{3}{8} - \frac{2}{3}$ is:

Ans
- ✗ A. $\frac{1}{4}$
- ✓ B. $\frac{5}{6}$
- ✗ C. $\frac{3}{2}$
- ✗ D. $\frac{7}{2}$

Q.8 Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster is related to the third letter-cluster and the second letter-cluster is related to the first letter-cluster.

TRIP : PIRT :: STRONG : GNORTS :: MOUNTAIN : ?

Ans
- ✗ A. NIATUNOM
- ✗ B. NTIANUOM
- ✓ C. NIATNUOM
- ✗ D. NAITNUOM

Q.9 The role of the preparation of the electoral rolls for all the elections to Parliament and to the Legislature of every State and of elections to the offices of President and Vice-President lies with the _____.

Ans
- ✗ A. Planning Commission
- ✗ B. Cabinet
- ✓ C. Election Commission
- ✗ D. Finance Commission

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Q.10 In a circle, chords AB and CD are produced to meet at E, outside the circle. If AB = 9 cm and AE = 12 cm and ED = 4 cm, then what is the length of the chord CD?

Ans

✗ A. 4.5 cm

✗ B. 4 cm

✓ C. 5 cm

✗ D. 5.5 cm

Q.11 A can complete a piece of work in 10 days. B is 25% more efficient than A. How many days will B alone take to complete the same work?

Ans

✗ A. 7 days

✓ B. 8 days

✗ C. 9 days

✗ D. 6 days

Q.12 Two statements A and B are given. There may be a cause-and-effect relationship between the two statements. These two statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read both the statements and select the appropriate option.

Statements:

A) KBCL decided to sell their oil to Alliance.

B) Alliance has raised the procurement price of oil from the last month.

Ans

✗ A. Both the statements, A and B, are effects of independent causes

✓ B. B is the cause and A is the effect

✗ C. A is the cause and B is the effect

✗ D. Both the statements, A and B, are independent causes.

Q.13 Which of the following languages had a negative decadal (2001-11) growth rate (its speakers) according to Census of India, 2011?

Ans

✗ A. Sanskrit

✓ B. Urdu

✗ C. Telugu

✗ D. Bengali

Q.14 X and Y can complete a certain work in 45 days and 60 days, respectively. They started the work together but X left after some days and Y alone completed the remaining work in 39 days. For how many days did X work?

Ans

✗ A. 10 days

✗ B. 8 days

✓ C. 9 days

✗ D. 6 days

Q.15 What is the sum of the solutions of the equation $2y^2 - 6y - 7 = 0$?

Ans

✗ A. $\frac{7}{2}$

✗ B. $-\frac{7}{2}$

✓ C. 3

✗ D. -3

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Q.16 According to the Periodic Labour Force Survey of India (2019-20), what is the literacy rate among the Scheduled Tribes Population of India?

Ans
- ✗ A. 83.28%
- ✗ B. 65.30%
- ✓ C. 70.10%
- ✗ D. 57.40%

Q.17 According to the Industrial Policy Statement of 1973, the private sector was allowed to apply for the license of their industry only after having a total assets of ₹_____ or more.

Ans
- ✓ A. 20 crore
- ✗ B. 20 lakh
- ✗ C. 2 lakh
- ✗ D. 2 crore

Q.18 A, B, C, D, E, F, G and H are sitting around a square table; four of them sit at the 4 corners, while four sit at the middle of the sides. The ones who sit at the corners face the centre, while those who sit at the middle of the sides face outside. F sits fourth to the left of D. D faces outside.

C is immediate to the right of F. A sits third to the right of the H. Only two persons sit between G and B. E is to the immediate right of B and to the immediate left of F. H sits second to the right of the E. What is the position of A with respect to D?

Ans
- ✗ A. Third to the right
- ✓ B. Second to the left
- ✗ C. Fourth to the right
- ✗ D. Third to the left

Q.19 Select the number from among the given options that can replace the question mark (?) in the following series.

18, 27, 34, 39, 42, ?

Ans
- ✓ A. 43
- ✗ B. 42
- ✗ C. 45
- ✗ D. 44

Q.20 In a certain code language, RAMESH is written as AREMHS and PRAKIL is written as 'RPKALI'. How will RISHIPAL be written in that language?

Ans
- ✓ A. IRHSPILA
- ✗ B. RILAPISH
- ✗ C. IRSHPILA
- ✗ D. ALIPHSRI

Q.21 Phumdis, the floating islands are the unique features of which of the following lakes?

Ans
- ✗ A. Sambhar Lake
- ✗ B. Pangong Lake
- ✓ C. Loktak Lake
- ✗ D. Chilika Lake

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Q.22 In a certain code language, 'ABSENCE' is written as 'DWVZQXH' and 'SERVICE' is written as 'VZUQLXH'. How will 'CONSENT' be written in that language?

Ans

✗ A. EJPNGIW

✓ B. FJQNHIW

✗ C. FIQMHHQ

✗ D. EIPMGHQ

Q.23 Lakshya Sen won the men's singles final at the India Open badminton tournament, 2022 by defeating _____.

Ans

✓ A. Loh Kean Yew

✗ B. Shi Yuqi

✗ C. Viktor Axelsen

✗ D. Lee Chong Wei

Q.24 Which two signs should be interchanged to make the equation correct?

$12 \times 3 \div 4 + 6 - 2 = 20$

Ans

✗ A. + and -

✗ B. × and +

✓ C. × and ÷

✗ D. ÷ and +

Q.25 According to the Economic Survey of India, which of the following states had the highest share in the overall production of sugarcane for the financial year 2020-21?

Ans

✗ A. Haryana

✗ B. Maharashtra

✗ C. Punjab

✓ D. Uttar Pradesh

Q.26 Gol Gumbaz is the mausoleum of the king Mohammed Adil Shah. It is a part of _____.

Ans

✗ A. Bundelkhand

✓ B. Bijapur

✗ C. Bharatpur

✗ D. Panipat

Q.27 Name of the scheme launched in June 2021 by the Lieutenant Governor of Ladakh to encourage digital learning among students and to bridge the digital divide between connected and unconnected sectors.

Ans

✓ A. YounTab

✗ B. eVidya

✗ C. Diksha

✗ D. Pragyata

Q.28 The government deficit can be reduced by _____ taxes or _____ expenditure.

Ans

✗ A. decreasing; increasing

✓ B. increasing; decreasing

✗ C. increasing; increasing

✗ D. maintaining; increasing

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Q.29 Who among the following has been honoured with Sports Journalists' Federation of India (SJFI) Sportswoman of the Year 2021?

Ans
- ✔ A. Mirabai Chanu
- ✘ B. Lovlina Borgohain
- ✘ C. Saina Nehwal
- ✘ D. Pusarla Venkata Sindhu

Q.30 When 6892, 7105 and 7531 are divided by the greatest number x, then the remainder in each case is the same. The sum of the digits of x is:

Ans
- ✔ A. 6
- ✘ B. 7
- ✘ C. 13
- ✘ D. 9

Q.31 Which of the following keyboard shortcuts is used in a Windows 10 system to switch between open applications?

Ans
- ✘ A. Ctrl + Tab
- ✔ B. Alt + Tab
- ✘ C. Alt + S
- ✘ D. Ctrl + S

Q.32 _____ of the Directive Principles of State Policy deals with the promotion of international peace and security.

Ans
- ✔ A. Article 51
- ✘ B. Article 43
- ✘ C. Article 41
- ✘ D. Article 50

Q.33 From the given options, select the one that CANNOT be listed among the long-run effects of ozone depletion.

Ans
- ✔ A. Increased amount of oxygen consumption in human beings
- ✘ B. Skin cancer
- ✘ C. Lowered production of aquatic animals
- ✘ D. Reduced growth of terrestrial plants

Q.34 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans
- ✘ A. OLT
- ✔ B. LIR
- ✘ C. VSA
- ✘ D. ROW

Q.35 Five colleagues, Chand, Chandini, Nidhi, Vikram and Ajay, are sitting in a row facing north. Nidhi and Chandini occupy the extreme ends of the row. Vikram is sitting exactly in the centre. No two people with the name starting with the same letter are immediate neighbours of each other. Ajay is sitting to the immediate left of Vikram. Who sits in the right extreme?

Ans
- ✘ A. Ajay
- ✘ B. Chandini
- ✘ C. Chand
- ✔ D. Nidhi

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Q.36 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

a) Some sketch pens are ink pens.

b) Some pencils are markers.

c) All ink pens are markers.

Conclusions:

I. Some markers are sketch pens.

II. Some sketch pens are pencils.

III. Some markers are ink pens.

Ans

✗ A. Only conclusions I and II follow.

✓ B. Only conclusions I and III follow.

✗ C. All the conclusions follow.

✗ D. Only conclusions II and III follow.

Q.37 The Congress Working Committee adopted the Quit India Resolution at ____ in July 1942.

Ans

✗ A. Patna

✓ B. Wardha

✗ C. Madras

✗ D. Lucknow

Q.38 If $A : B = 1.2 : 2, B : C = 1.5 : 2, and\ C : D = 2 : 3, then\ B : D$ is equal to:

Ans

✓ A. $1 : 2$

✗ B. $3 : 4$

✗ C. $2 : 3$

✗ D. $5 : 6$

Q.39 Read the given statements and conclusions carefully, and decide which of the given conclusions follow(s) based on the given statements.

Statements:

$A > B \leq C$

$P < Q \geq A$

Conclusions:

I. $B \leq P$

II. $C < Q$

Ans

✓ A. Neither conclusion I nor II follows.

✗ B. Only conclusion II follows.

✗ C. Only conclusion I follows.

✗ D. Both the conclusions follow.

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Q.40 Which of the following mountain ranges is considered as the boundary between Asia and Europe?

Ans

✔ A. Urals

✘ B. Atlas

✘ C. The Great Dividing Range

✘ D. Alps

Q.41 Which of the following dietary components per gram provides the highest energy in humans?

Ans

✘ A. Protein

✔ B. Fat

✘ C. Roughage

✘ D. Carbohydrate

Q.42 Nagananda, a Sanskrit play which tells the popular story of Vidyadhar King Jimutavahana's self-sacrifice to save the Nagas, is attributed to emperor _____

Ans

✘ A. Chandra Gupta I

✘ B. Ashoka

✔ C. Harsha

✘ D. Bindusara

Q.43 Buddha delivered his first sermon which is called _____ , at Sarnath to his five disciples.

Ans

✘ A. Mahabhinishkramana

✘ B. Niranjana

✘ C. Maha parinirvana

✔ D. Dharmachakra Pravartana

Q.44 Which Mauryan emperor had his inscriptions engraved on rocks and pillars during his reign from c. 272/268-231 BCE?

Ans

✘ A. Bindusara

✘ B. Chandragupta Maurya

✘ C. Brihadratha

✔ D. Ashoka

Q.45 The value of $72 \div 4 \times \{8 \times 4 - (14 - 19)\}$ is:

Ans

✘ A. 222

✘ B. 1296

✘ C. 444

✔ D. 666

Q.46 The difference between 12% gain and 4% loss on sale of the item was ₹28. What was the cost price of the item?

Ans

✔ A. ₹175

✘ B. ₹168

✘ C. ₹189

✘ D. ₹196

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Q.47 Which of the following states has the highest child sex ratio in India according to the 5th National Family Health Survey (2019-21)?

Ans

✗ A. Bihar

✗ B. Kerala

✓ C. Mizoram

✗ D. Gujarat

Q.48 If $x = 2^3 \times 3^2 \times 5 \times 7^3$, $y = 2^2 \times 3^3 \times 5^2 \times 7^2$, and $z = 2^4 \times 3 \times 5^3 \times 7$, then the HCF of x, y and z is:

Ans

✓ A. 420

✗ B. 1260

✗ C. 630

✗ D. 840

Q.49 If $\sqrt{64} - \sqrt[3]{64} = \sqrt[4]{y}$, where $y > 0$, then the value of y is:

Ans

✗ A. 625

✗ B. 81

✓ C. 256

✗ D. 16

Q.50 Infant mortality is the death of an infant before his or her _____ birthday.

Ans

✗ A. sixth

✓ B. first

✗ C. tenth

✗ D. third

Q.51 A question is given, followed by three statements labelled I, II and III. Identify which of the statements is/are sufficient to answer the question.

Question:

How is P related to C?

Statements:

I: H is the only brother of S and P.

II: P is the wife of L, who is the son-in-law of D.

III: D is the mother of S and T is the son-in-law of C.

Ans

✗ A. Data in statements I, II and III together are sufficient to answer the question.

✓ B. Data in statements I, II and III together are not sufficient to answer the question.

✗ C. Data in statements II and III together are sufficient to answer the question. .

✗ D. Data in statement I alone is sufficient to answer the question

Q.52 There are five friends, Deepu, Sonu, Tinku, Guddu and Innu. Innu is taller than Tinku. Among all, Tinku comes exactly in the middle on the basis of height. Guddu is shortest among all. Sonu is taller than Tinku but not the tallest in the group. Who comes at the 2nd position starting from the shortest to tallest?

Ans

✓ A. Deepu

✗ B. Guddu

✗ C. Innu

✗ D. Sonu

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Q.53 Determine the number of months required to get ₹25.5 as simple interest on ₹850 at 3.6% per annum.

Ans

✗ A. 11 months

✗ B. 9 months

✗ C. 8 months

✓ D. 10 months

Q.54 Vasco Da Gama landed at _____ in 1498.

Ans

✗ A. Goa

✗ B. Surat

✓ C. Calicut

✗ D. Cochin

Q.55 Select the number from the options that can replace the question mark (?) and complete the given series.

0, 7, 26, 63, 124, ?

Ans

✓ A. 215

✗ B. 214

✗ C. 212

✗ D. 213

Q.56 The selling price of 2 blankets are the same. One of the blankets is sold at $66\frac{2}{3}$% profit and the CP of the other blanket is ₹400 less than its SP. If the total profit on selling both the blankets is 50%, then find the selling price of each blanket.

Ans

✗ A. ₹ 1520

✗ B. ₹ 1510

✓ C. ₹ 1500

✗ D. ₹ 1530

Q.57 What will be the total number of days from 20 February 2020 to 15 April 2020, by including both the days?

Ans

✗ A. 54

✓ B. 56

✗ C. 55

✗ D. 57

Q.58 Which of the following was the leading oil producing country in the world for the year 2020, according to US Energy Information Administration?

Ans

✗ A. UAE

✓ B. USA

✗ C. Qatar

✗ D. Saudi Arabia

Q.59 In a certain code language, MAN is written as OCP and GEM is written as IGO. How will CAT be written in that language?

Ans

✓ A. ECV

✗ B. TAC

✗ C. DBU

✗ D. VCE

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Q.60 Sarala Das, whose 600th birth anniversary was addressed by the Vice President in April 2021, was a great scholar of _____literature.

Ans

✗ A. Malayalam

✗ B. Kannada

✗ C. Bengali

✓ D. Odia

Q.61 A lawn in the shape of a rectangle has an area of 7260 m^2 and its sides are in the ratio 5 : 3. Its perimeter is equal to the perimeter of a circular garden. What is the area of the circular garden? $\left(Take\ \pi = \frac{22}{7}\right)$

Ans

✗ A. 8712 m^2

✗ B. 7260 m^2

✗ C. 9878 m^2

✓ D. 9856 m^2

Q.62 What is the mode of the observations 5, 4, 4, 6, 7, 6, 9, 7, 6, 5?

Ans

✗ A. 5

✓ B. 6

✗ C. 7

✗ D. 4

Q.63 What is the capacity of the recently commissioned supercomputer Param Pravega under the National Supercomputing Mission?

Ans

✓ A. 3.3 petaflops

✗ B. 2.3 petaflops

✗ C. 4.3 petaflops

✗ D. 1.3 petaflops

Q.64 Begum Hazrat Mahal, the wife of the Nawab of ____ led the uprising at Lucknow in May, 1857.

Ans

✗ A. Fatehpur Sikri

✓ B. Awadh

✗ C. Meerut

✗ D. Agra

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Q.65 If

'A # B' means 'A is the father of B',

'A $ B' means 'A is the mother of B',

'A @ B' means 'A is the husband of B',

'A % B' means 'A is the wife of B'

'A = B' means 'A is the brother of B',

then how is P related to V in the following expression?

P @ Q $ U = R % S # V

Ans

✗ A. Father's brother

✗ B. Mother's brother

✓ C. Maternal grandfather

✗ D. Paternal grandfather

Q.66 Which government has become the world's first government to turn 100% paperless?

Ans

✗ A. New York

✗ B. Berlin

✓ C. Dubai

✗ D. Moscow

Q.67 Which Article of the Indian Constitution is related with the Executive powers of the Union?

Ans

✓ A. 53

✗ B. 57

✗ C. 51

✗ D. 55

Q.68 In December 2021, with whose support did the Indian Army establish the Quantum Lab in Madhya Pradesh?

Ans

✗ A. National Security Agency (NSA)

✓ B. National Security Council Secretariat (NSCS)

✗ C. National Informatics Centre (NIC)

✗ D. Defence Research & Development Organisation (DRDO)

Q.69 In a certain code language, the letters of the English alphabet are coded as per their alphabetical order (A as 1 and Z as 26). However, if a consonant is immediately followed as well as preceded by a vowel, its code would be '77'.

What will be the code for 'WHITEN' in this language?

Ans

✗ A. 238920514

✗ B. 239877514

✗ C. 238772077514

✓ D. 238977514

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Q.70 Satyaram Reang of Tripura, who received The Padma Shri award in 2021, is a famous _____ dancer.

Ans

✗ A. Biraha

✗ B. Bihu

✗ C. Dumhal

✓ D. Hojagiri

Q.71 The ratio of incomes of A and B is 5 : 7 and the ratio of their savings is 2 : 3. If A and B spend ₹35,400 and ₹48,600, respectively, then what is the difference (in ₹) between the incomes of B and A?

Ans

✓ A. 18,000

✗ B. 20,000

✗ C. 17,600

✗ D. 18,600

Q.72 If '÷' is replaced with '+', '×' is replaced with '−', '+' is replaced with '×' and '−' is replaced with '÷', then what will be the value of the given expression?

$8 + 5 \times 54 - 9 \div 3 = ?$

Ans

✗ A. 44

✗ B. 33

✓ C. 37

✗ D. 46

Q.73 The volume of a solid cone is $96\ \pi\ cm^3$ and its height is 8cm. What is its total surface area (in cm^2)?

Ans

✓ A. $96\ \pi$

✗ B. $36\ \pi$

✗ C. $37\ \pi$

✗ D. $23\ \pi$

Q.74 A hundred rupee note measures 15 cm × 8 cm and a bundle of 125 such notes is 2 cm thick. Find the value of the hundred-rupee notes that can be contained in a box of size 48 cm × 36 cm × 30 cm, if the bundles are tightly packed in it without any empty space.

Ans

✗ A. ₹30 Lakhs

✓ B. ₹27 Lakhs

✗ C. ₹36 Lakhs

✗ D. ₹33 Lakhs

Q.75 The value of $(919 + 9.019 + 0.919 + 9.0019)$ is:

Ans

✗ A. 973.9399

✗ B. 973.9939

✗ C. 937.3999

✓ D. 937.9399

Q.76 First four terms of a series are 4, 12, 36, 108. What will be the 6^{th} term of this series?

Ans

✓ A. 972

✗ B. 2916

✗ C. 324

✗ D. 624

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Q.77 If 75% of a number is added to 75, then the result is the number itself. The number is:

Ans
- ✔ A. 300
- ✘ B. 250
- ✘ C. 350
- ✘ D. 200

Q.78 The Comprehensive Crop Insurance Scheme (CCIS) was started from 1985 with the objective of providing _____.

Ans
- ✘ A. financial support to the farmers to buy HYV seeds
- ✘ B. financial support to the farmers to purchase tractors and other implements
- ✘ C. financial support to the farmers for educating their children
- ✔ D. financial support to the farmers in the event of crop failure due to drought, flood etc

Q.79 Six boxes, M, N, O, P, Q and R, are kept one above the other but not necessarily in the same order. There is only one box between box N and box R. Box Q is immediately below box N. There are only two boxes between box Q and box M. There is no box above box P. Box R is third from the bottom. Which box is third from the top?

Ans
- ✘ A. R
- ✔ B. Q
- ✘ C. N
- ✘ D. O

Q.80 Which of the following river basins is the most populated in the world?

Ans
- ✔ A. Ganga
- ✘ B. Nile
- ✘ C. Amazon
- ✘ D. Mississippi

Q.81 The liquid part of human blood, called_____, is made of water, salts and protein.

Ans
- ✘ A. RBC
- ✘ B. WBC
- ✘ C. Platelets
- ✔ D. Plasma

Q.82 During lunch break, eight colleagues, namely A, B, C, D, E, F, G and H are sitting in a circle facing the centre at equal distances. B is an immediate neighbor of both G and D. C is an immediate neighbour of both A and G. H is third to the left of B. E is not an immediate neighbour of A. Who is third to the right of E?

Ans
- ✘ A. B
- ✘ B. D
- ✘ C. A
- ✔ D. G

Q.83 Each of the six people were watching a different movie. A finished before D, but after F. E finished before B, but after D. F finished after C, but before A. What was the finishing order?

Ans
- ✘ A. CAFEBD
- ✘ B. ACBDFE
- ✔ C. CFADEB
- ✘ D. FACDEB

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Q.84 In a school, $\frac{5}{8}$ of the number of students are girls and the rest are boys, $\frac{2}{5}$ of the number of girls are below 12 years of age and $\frac{4}{9}$ of the boys are 12 years of age or above. If the total number of students is 288, how many students are below 12 years of age?

Ans

✗ A. 140

✗ B. 124

✗ C. 144

✓ D. 132

Q.85 The protection of interests of minorities under the Constitution of India lies under _____.

Ans

✗ A. Article 15

✓ B. Article 29

✗ C. Article 20

✗ D. Article 16

Q.86 Assuming 8th March 2013 was a Wednesday, what day of the week was 8th March 2014?

Ans

✗ A. Wednesday

✗ B. Tuesday

✓ C. Thursday

✗ D. Monday

Q.87 Who among the following is considered as the father of Plate Tectonics?

Ans

✗ A. Antoine Lavoisier

✗ B. James Rennell

✓ C. Alfred Wegener

✗ D. Antonie Philips Van Leeuwenhoek

Q.88 The area of a rectangular field, whose sides are in the ratio 13 : 5, is 260 m^2. What is the perimeter of the rectangular field?

Ans

✗ A. 70 m

✓ B. 72 m

✗ C. 66 m

✗ D. 68 m

Q.89 A boat takes 7 hours to move 63 km downstream and 30 km upstream. The boat takes 6 hours to move 28 km downstream and 48 km upstream. How much time will it take to move 35 km downstream and 27 km upstream?

Ans

✗ A. 5 hours 20 minutes

✗ B. 4 hours 50 minutes

✗ C. 5 hours

✓ D. 4 hours 45 minutes

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Q.90 At the same time A and B start moving towards each other from two different places, 240 km apart. The ratio of the speeds of A and B is 5 : 7, and the speed of B is 84 km/h. After how many minutes will A and B meet each other?

Ans
- ✔ A. 100 minutes
- ✘ B. 80 minutes
- ✘ C. 120 minutes
- ✘ D. 90 minutes

Q.91 Vihaan and Nav Agarwal won the International Children's Peace Prize 2021 for which work?

Ans
- ✘ A. For building a school in a refugee camp
- ✘ B. For making an anti-cyberbullying mobile app
- ✘ C. For peaceful fight against extremist violence and radicalisation
- ✔ D. For tackling pollution in their home city by recycling household waste

Q.92 The Provision for securing just and humane conditions of work and for maternity relief has been entrusted in the Indian Constitution as one of the:

Ans
- ✔ A. directive principles of state policy
- ✘ B. fundamental rights
- ✘ C. constitution and economic rights
- ✘ D. fundamental duties

Q.93 Study the following arrangement of numbers and symbols and answer the question that follows: (all numbers are single digit numbers only)

3 7 # 8 5 % 9 2 3 * 1 0 1 % 6 3 ? 9 3 5 ^ 2 7 & 3 5 4 @ 4 1 7

How many such even numbers are there in this arrangement each of which is immediately preceded by a symbol?

Ans
- ✘ A. 3
- ✘ B. 5
- ✔ C. 4
- ✘ D. 2

Q.94 Which of the following is NOT a valid option in the 'Paragraph' setting window in MS-Word 2016?

Ans
- ✘ A. Indentation
- ✘ B. Pagination
- ✔ C. Effects
- ✘ D. Spacing

Q.95 Raju travels 150 km in 7.5 hours moving downstream. The speed of the stream is 5 km/h. Find the speed with which Raju should row the boat to reach back in the same time.

Ans
- ✘ A. 7.5 km/h
- ✘ B. 18 km/h
- ✘ C. 10 km/h
- ✔ D. 25 km/h

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Q.96 Which of the following is a noble gas?

Ans
- ✔ A. Helium
- ✘ B. Hydrogen
- ✘ C. Nitrogen
- ✘ D. Ozone

Q.97 The average of 6 numbers is 16. If one of the numbers is excluded, the average becomes 17. Find the excluded number.

Ans
- ✘ A. 10
- ✔ B. 11
- ✘ C. 13
- ✘ D. 12

Q.98 Rohan started from his home to go to his school. He went 100 meters towards the South, then turned towards the West and walked 50 metres. He then turned right and walked 50 metres and finally he turned to his right and walked 100 metres to reach his school. In which direction is his house from the school? (All turns are 90^{o} turns only)

Ans
- ✘ A. South-east
- ✘ B. South-west
- ✔ C. North-west
- ✘ D. North-east

Q.99 A fraction becomes $\frac{2}{3}$ when one is added to both the numerator and the denominator of the fraction, and it becomes $\frac{1}{2}$, when 2 is subtracted from both the numerator and denominator. What is the sum of the numerator and denominator of the original fraction?

Ans
- ✔ A. 13
- ✘ B. 8
- ✘ C. 11
- ✘ D. 7

Q.100 A cylindrical bucket of height 150 cm and radius 50 cm is full of water. A person wants to fill spherical balloons of radius 5 cm each with the water in the bucket. How many balloons can he fill completely with the water present in the bucket?

Ans
- ✔ A. 2250
- ✘ B. 1753
- ✘ C. 1832
- ✘ D. 1456

Q.101 What is the compound interest on a sum of ₹19,500 invested for $1\frac{2}{5}$ years at 10% p.a., interest compounded annually?

Ans
- ✘ A. ₹2,608
- ✔ B. ₹2,808
- ✘ C. ₹2,480
- ✘ D. ₹2,880

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Q.102 Eight friends are sitting around a square table, four at the corners and four in the middle of the four sides, facing the centre. Isheen is an immediate neighbour of Manmeet and Jyoti. Only three people sit between Harsh and Rekha. Nandan is sitting third to the right of Isheen. Paresh is second to the left of Manmeet. Only three people sit between Meena and Isheen. Manmeet is sitting to the immediate right of Rekha. Who is sitting second to the right of Nandan?

Ans

✗ A. Meena

✗ B. Jyoti

✗ C. Rekha

✓ D. Paresh

Q.103 By which other name is the festival 'Gudi Padwa' known in Karnataka, Telangana and Andhra Pradesh?

Ans

✗ A. Akshay Tritiya

✓ B. Ugadi

✗ C. Pongal

✗ D. Baisakhi

Q.104 The ratio of the two numbers is 3 : 4 and their LCM is 480. Find their HCF.

Ans

✗ A. 30

✗ B. 160

✗ C. 120

✓ D. 40

Q.105 There are six persons, A, B, C, D, E and F. A, B, C and F are male and other two are female. The height of A is 5.2 feet, B is 5.7 feet, C is 5.9 feet, D is 5.4 feet, E is 6.0 feet and F is 6.1 feet. Out of these all, A, B, C and E like sugar, and D and F like salt. Persons who have a height of more than 5.5 feet wear black, and others wear white.

Who among these is the sugar-loving male who does NOT wear black?

Ans

✗ A. D

✗ B. B

✗ C. C

✓ D. A

Q.106 Rohan started from his home towards the east, and after walking for 5 m, turned left. From there, after walking for 15 m, he turned right and walked for 5 m to reach a flower shop. In which direction is his home with respect to the flower shop? (All turns are 90^{o} turns only)

Ans

✓ A. South-west

✗ B. North

✗ C. South-east

✗ D. West

Q.107 Which politician was awarded the Sahitya Akademi Award 2021 for 'Mirjafar O Anyanya Natak'?

Ans

✗ A. Agnimitra Paul

✗ B. Abhishek Banerjee

✓ C. Bratya Basu

✗ D. Tapas Mandal

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Q.108 The Parliament of India comprises of:

Ans

✗ A. President, Attorney General for India, Lok Sabha, and Rajya Sabha

✓ B. President, Lok Sabha, and Rajya Sabha

✗ C. Prime Minister, Lok Sabha, and Rajya Sabha

✗ D. Lok Sabha and Rajya Sabha

Q.109 What had been the Global Birth Rate (crude) in the year 2020, according to World Bank?

Ans

✓ A. 17.98

✗ B. 11.20

✗ C. 46.43

✗ D. 20.56

Q.110 Khan lends an amount of ₹10,000 to Irfan at 10% per annum compound interest for 5 years, compounded annually. What is the compound interest accrued for the 4^{th} year?

Ans

✓ A. ₹1,331

✗ B. ₹1,762

✗ C. ₹1,745

✗ D. ₹1,540

Q.111 In ΔABC, the bisectors of $\angle B$ and $\angle C$ intersect at P inside the triangle. If $\angle BPC = 128°$, then what is the measure of $\angle A$?

Ans

✗ A. 52°

✗ B. 78°

✗ C. 82°

✓ D. 76°

Q.112 Avinash is ranked 11^{th} from the top in the class and Ira is ranked 7^{th} from the bottom. If their positions get interchanged, Avinash will rank 15^{th} from the top and Ira is ranked 11^{th} from the bottom. How many total students appeared for the exams?

Ans

✗ A. 20

✗ B. 23

✓ C. 21

✗ D. 22

Q.113 Which trio among the following is referred to as 'The Trinity of Carnatic music'?

Ans

✗ A. Madurai Mani Iyer, Tiger Varadachariar and Syama Sastri

✗ B. Subbaraya Sastri, Madurai Mani Iyer and Tyagaraja

✗ C. Manambuchavadi Venkatasubbayyar, Poochi Srinivasa Iyengar and Subbaraya Sastri

✓ D. Tyagaraja, Muthuswami Dikshitar and Syama Sastri

Q.114 Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term related to the third term.

SUGAR : 11 :: PILOT : 12 : : HOTEL : ?

Ans

✗ A. 12

✓ B. 10

✗ C. 15

✗ D. 19

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Q.115 As of April 2022, India is NOT a permanent member of which of the following organisations?

Ans

✗ A. South Asian Association for Regional Cooperation

✗ B. G20

✗ C. World Trade Organization

✓ D. Organization of Petroleum Exporting Countries

Q.116 The value of $84 \div 32 \times 8 - 15 \div 8 \times (19 - 35)$ is:

Ans

✓ A. 51

✗ B. 42

✗ C. 45

✗ D. 38

Q.117 After the mid-term examination Rupesh ranked 10th from the top and Rachit ranked 21st from the bottom. If Rachit performed better than Rupesh and six students ranked between them, how many students appeared in the examination?

Ans

✗ A. 29

✗ B. 38

✗ C. 36

✓ D. 23

Q.118 If the difference between the mode and median is 2, then find the difference between the median and mean (in the given order) using empirical relation.

Ans

✗ A. 3

✗ B. 2

✓ C. 1

✗ D. 4

Q.119 Which of the following products has the highest share in India's imports according to the economic survey 2021-22?

Ans

✗ A. Gold

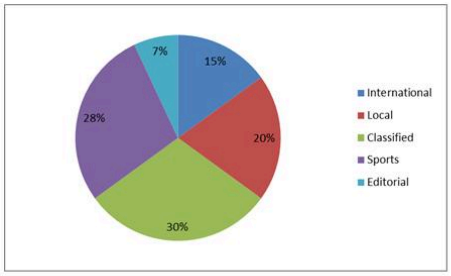
✓ B. Crude Petroleum

✗ C. Electronic Componets

✗ D. Plastic Raw Materials

Q.120 Study the given pie-chart and answer the question that follows.

A newspaper decided to bring its golden jubilee issue consisting of 60 pages. The proportion for the coverage of various types in this issue was pre-decided and the same is given in the pie chart.



How many pages were dedicated to sports and editorial coverage?

Ans

✗ A. 20

✗ B. 19

✓ C. 21

✗ D. 18

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Test Date	14/06/2022
Test Time	12:45 PM - 2:15 PM
Subject	NTPC

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **NTPC**

Q.1 In a certain code language, the letters of the English alphabet are coded as per their alphabetical order (A as 1 and Z as 26). However, if a vowel is immediately preceded as well as immediately followed by a consonant, its code would be 99.

What will be the code for 'BLAST' in this language?

Ans
- ✗ A. 212994520
- ✗ B. 212554920
- ✗ C. 212991991920
- ✓ D. 212991920

Q.2 Seven boxes of different colours, Red, Yellow, Blue, Green, Orange, Violet and Indigo were stocked one on the other, not necessarily in the same order. No other box was placed below the orange box. The Violet box was placed second to the top of the Blue box. The Green box was second to the bottom of the Indigo box. The Red box was placed at the topmost position. The Yellow box was exactly above the Indigo box. Which of the following is the correct pair of box and its position?

Ans
- ✓ A. Blue box – 6^{th} position from the top
- ✗ B. Violet box – 7^{th} position from the top
- ✗ C. Yellow box – 5^{th} position from the top
- ✗ D. Green box – 3^{rd} position from the top

Q.3 Let x be the least four-digit number which when divided by 18, 27, 30, 40 and 45, the remainder in each case is 9. Find the remainder when x is divided by 37.

Ans
- ✗ A. 28
- ✗ B. 23
- ✓ C. 16
- ✗ D. 15

Q.4 The chemical equation of water is H_2O. Which of the following MS-Word features can be used to write H_2O?

Ans
- ✗ A. Drop cap
- ✗ B. Strikethrough
- ✗ C. Superscript
- ✓ D. Subscript

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Q.5 Which of the following is predominantly used for making photovoltaic solar cells?

Ans

✗ A. Se

✓ B. Si

✗ C. Su

✗ D. S

Q.6 The marks obtained by A in a test are 20% more than the marks obtained by B, and C obtained 85% of the total marks obtained by A and B. By what percentage are the marks obtained by A less than the marks obtained by C? (Correct to one decimal place)

Ans

✗ A. 34.6%

✗ B. 37.2%

✗ C. 55.8%

✓ D. 35.8%

Q.7 A sum of money is distributed by a father among his 4 sons A, B, C, D in the ratio 3 : 6 : 8 : 5. After the distribution, it has been observed that the amount of money that C received is ₹1,000 more than what B received. What is the total amount of money that has been distributed among the four?

Ans

✗ A. ₹12,450

✗ B. ₹12,000

✓ C. ₹11,000

✗ D. ₹13,000

Q.8 On February 20, 1947, who announced that the power would be transferred to the Indians by June 1948?

Ans

✗ A. Lord Wavell

✗ B. Jawaharlal Nehru

✓ C. Clement Attlee

✗ D. Lord Mountbatten

Q.9 Which of the following values can replace K in $7\frac{3}{5} \times 4\frac{1}{2} - K = 26\frac{3}{4}$?

Ans

✗ A. 2

✗ B. $2\frac{1}{2}$

✗ C. $9\frac{7}{20}$

✓ D. $7\frac{9}{20}$

Q.10 The sum of the ages of 5 children born at an interval of 5 years each, is 80. What is the age of the youngest child?

Ans

✗ A. 16 years

✓ B. 6 years

✗ C. 4 years

✗ D. 21 years

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Q.11 Ajit was born on Monday, 24 March 1980. Which day of the week was it when he celebrated his birthday in the year 2021?

Ans

✗ A. Monday

✗ B. Sunday

✗ C. Friday

✓ D. Wednesday

Q.12 Rajpal is a resident of the 21st floor from the top and 9th from the ground (which is counted as floor no. 1) of a building. If the building has no basement, then how many total floors are there in the building?

Ans

✗ A. 30

✓ B. 29

✗ C. 28

✗ D. 27

Q.13 'X is the mother of Y' is represented by 'X < Y'

'X is the husband of Y' is represented by 'X > Y'

'X is the sister of Y' is represented by 'X @ Y'

'X is the son of Y' is represented by 'X $ Y'

Which of the following indicates the relationship 'R is the daughter of Q'?

Ans

✗ A. R @ H > K < Q

✗ B. Q > K @ R $ H

✓ C. R @ H $ K > Q

✗ D. Q < K @ H $ R

Q.14 Five containers of different shapes sphere, cube, prism, cuboid and cylinder have different patterns plain, checkered, floral, polka dots and stripes but not necessarily in the same order. Also each has a different colour blue, green, pink, black and yellow but not necessarily in the same order.

The cube and cylinder don't have floral design. Sphere is pink in colour. Prism has checkered design but is not yellow or black in colour. Cuboid is green in colour but doesn't have polka dots or stripes pattern. The plain container is pink in colour. Cube has polka dots and neither blue nor black in colour. Cylinder is not blue in colour.

Which container has floral pattern?

Ans

✗ A. Prism

✗ B. Cylinder

✗ C. Sphere

✓ D. Cuboid

Q.15 The bisector of $\angle QPR$ of ΔPQR meets the side QR at S. If PQ = 12 cm, PR = 15 cm and QR =18 cm, then the length of SR is

Ans

✗ A. 13 cm

✗ B. 8 cm

✗ C. 12 cm

✓ D. 10 cm

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Q.16 Which of the following elements is part of heme (haem) of human blood?

Ans

✗ A. Cobalt

✗ B. Manganese

✗ C. Magnesium

✓ D. Iron

Q.17 What was India's rank in global rice production for the year 2019, according to Food and Agriculture Organization?

Ans

✗ A. First

✗ B. Third

✗ C. Fourth

✓ D. Second

Q.18 Fill in the blank using words contained in the Preamble to the Constitution of India:

We, _____, having solemnly resolved to constitute India into a SOVEREIGN SOCIALIST SECULAR DEMOCRATIC REPUBLIC and to secure to all its citizens….

Ans

✓ A. The People of India

✗ B. The Central Government

✗ C. The Supreme Court

✗ D. The Indian Parliament

Q.19 How many such pairs of letters are there in the word "VERSION" (in both the forward and backward directions) which have as many letters between them in the word as there are in the English alphabetical order?

Ans

✗ A. 4

✓ B. 5

✗ C. 3

✗ D. 6

Q.20 Given below are two statements and two conclusions. Take the Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All students are teachers.

Some professors are students.

Conclusions:

A. Some students are professors.

B. Some teachers are professors.

Ans

✗ A. Neither conclusion A nor B follows

✗ B. Only conclusion A follows

✗ C. Only conclusion B follows

✓ D. Both conclusions A and B follow

Q.21 If the 9-digit number $83x93678y$ is divisible by 72, then what is the value of $(3x - 2y)$?

Ans

✗ A. 12

✓ B. 10

✗ C. 15

✗ D. 8

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Q.22 Six classmates gave an exam. Yatharth scored more marks than Karan. Parth's marks were less than Amrita. Vineeta scored more marks than Parth. Parth scored exactly the same marks as Yatharth. Girish did not score more marks than Karan. Vineeta scored less marks than Amrita. Which of the following options is NOT correct according to above information?

Ans

✔ A. Yatharth scored more marks than Amrita.

✘ B. Amrita scored more marks than Karan.

✘ C. Girish scored less marks than Parth.

✘ D. Karan scored less marks than Vineeta.

Q.23 The Therigatha is a Buddhist text, part of the_____, is a collection of verses composed by bhikkhunis.

Ans

✘ A. Vinaya Pitaka

✔ B. Sutta Pitaka

✘ C. Mahavamsa

✘ D. Dipavamsa

Q.24 Simplify $\frac{7+3\sqrt{5}}{3+\sqrt{5}}+\frac{7-3\sqrt{5}}{3-\sqrt{5}}$.

Ans

✘ A. 4

✔ B. 3

✘ C. 6

✘ D. 14

Q.25 In a certain code language, RAJAN is written as TDNFT and STRAW is written as UWVFC. How will ENJOY be written in that language?

Ans

✘ A. RCNTE

✘ B. GQCRL

✘ C. GQRCL

✔ D. GQNTE

Q.26 In August 2021, which ministry decided to repeal the UAS Rules, 2021, and replaced the same with the liberalised Drone Rules, 2021?

Ans

✘ A. Ministry of Road Transport and Highways

✘ B. Ministry of Ports, Shipping and Waterways

✘ C. Ministry of Defence

✔ D. Ministry of Civil Aviation

Q.27 The height of the frustum of a cone is 8 cm. The radius on the top of the frustum is 6 cm and the bottom of the frustum is 12 cm. What is the curved surface area of the frustum?

Ans

✘ A. 240π cm^2

✘ B. 36π cm^2

✔ C. 180π cm^2

✘ D. 360π cm^2

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Q.28 'BELATED' is related to 'TLEEDBA' and 'STOREY' is related to 'YTSROE' in the same way as 'DOUBBLE' is related to '_____'.

Ans

✔ A. UOLEDBB

✘ B. OULEDBC

✘ C. UOLEDBC

✘ D. OULEDBB

Q.29 According to the Census of India 2011 the decadal population growth rate of India for 2001-11 is approximately _____.

Ans

✘ A. 14.8%

✘ B. 12%

✔ C. 17.64%

✘ D. 20.98%

Q.30 In an office, the number of male employees is $\frac{3}{8}$ of the number of female employees. $\frac{1}{3}$ of the males are non-graduates, whereas $\frac{4}{9}$ of the females are non-graduates. If the number of non-graduate employees in the office is 164, then the total number of employees in the office is:

Ans

✔ A. 396

✘ B. 288

✘ C. 414

✘ D. 360

Q.31 Four friends P, Q, R and S run around a circular track of length 400 m starting at the same point at the same time at speeds of 4, 8, 16 and 20 m/s, respectively. If all of them are moving in the same direction, after how much time would they meet for the first time?

Ans

✔ A. 100 s

✘ B. 145 s

✘ C. 90 s

✘ D. 120 s

Q.32 A can do a piece of work in 24 days and B can do $\frac{2}{5}$ of the same work in 12 days. Both work together for 6 days. How much work is still left?

Ans

✘ A. $\frac{13}{20}$

✘ B. $\frac{9}{20}$

✘ C. $\frac{17}{20}$

✔ D. $\frac{11}{20}$

Q.33 A train crosses a one km long bridge in one minute and a 750 m long tunnel in 50 seconds. Assuming the train is running at a uniform speed, what is its speed?

Ans

✘ A. 81 km/h

✘ B. 108 km/h

✔ C. 90 km/h

✘ D. 72 km/h

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Q.34 Eight friends are sitting around a circular table at equal distances with their back towards the centre of the table. Ishin is sitting to the immediate right of Anshu. Amina is is not an immediate neighbour of Dhruv. Only three people sit between Harmeet and Fiza. Dhruv is to the immediate left of Varun. There are only two people between Mohit and Harmeet. Fiza is sitting to the immediate left of Anshu. Only three people sit between Ishin and Varun. Who is sitting to the immediate left of Harmeet?

Ans

✗ A. Ishin

✗ B. Dhruv

✓ C. Amina

✗ D. Varun

Q.35 Kiran lent ₹40,000 to Kishore on compound interest for 2 years, compounded annually. The rate to interest is 20%. What is the Compound Interest that Kiran will receive after 2 years?

Ans

✓ A. ₹17,600

✗ B. ₹16,780

✗ C. ₹12,350

✗ D. ₹14,560

Q.36 With reference to the Sixteen Mahajanapadas, which among the following was NOT a capital city?

Ans

✗ A. Sravasti

✗ B. Kausambi

✗ C. Ujjain

✓ D. Avanti

Q.37 Decreasing returns to scale occurs when:

Ans

✓ A.
an increase in all inputs (labour/capital) leads to a less than proportional increase in output

✗ B.
a decrease in all inputs (labour/capital) leads to a less than proportional increase in output

✗ C.
a decrease in all inputs (labour/capital) leads to a more than proportional increase in output

✗ D.
an increase in all inputs (labour/capital) leads to a more than proportional increase in output

Q.38 A and B together can complete a piece of work in 36 days while B and C together can do it in 20 days. The efficiency of C is thrice the efficiency of A. B alone can complete two-third of the original work in

Ans

✓ A. 40 days

✗ B. 30 days

✗ C. 36 days

✗ D. 45 days

Q.39 Emma Raducanu, recipient of BBC Sports Personality of the Year 2021 award, plays which of the following sports?

Ans

✗ A. Badminton

✓ B. Tennis

✗ C. Diving

✗ D. Swimming

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Q.40 A family's monthly income is ₹45,000. Out of the monthly income 20% is spent on food, 20% is spent on the house rent, 5% is spent on shopping, 10% is spent on personal expenses and the rest is saved. If they decided to donate 12% of the monthly savings to the poor, what is the amount that they donate to the poor?

Ans

✗ A. ₹3500

✗ B. ₹3230

✓ C. ₹2430

✗ D. ₹2750

Q.41 Namita Gokhale, received the Sahitya Akademi Award 2021 for which novel?

Ans

✓ A. Things to Leave Behind

✗ B. Travelling In, Travelling Out

✗ C. A Himalayan Love Story

✗ D. Gods, Graves and Grandmother

Q.42 In which of the following cities is World Economic Forum headquartered?

Ans

✗ A. London, the UK

✗ B. Paris, France

✗ C. Washington DC, the US

✓ D. Geneva, Switzerland

Q.43 Find the volume of a cylinder whose base radius is 12.5 cm and whose height is $\frac{4}{5}$ of the base radius.

Ans

✗ A. $1250\ \pi\ cm^3$

✗ B. $2441.4\ \pi\ cm^3$

✗ C. $1652.5\ \pi\ cm^3$

✓ D. $1562.5\ \pi\ cm^3$

Q.44 Who among the following is not an Odissi Dancer?

Ans

✓ A. Darshana Jhaveri

✗ B. Kumkum Mohanty

✗ C. Shagun Bhutani

✗ D. Chitra Krishnamurti

Q.45 Who won the Man of the Match award in the final of the U19 Cricket World Cup, 2022?

Ans

✓ A. Raj Angad Bawa

✗ B. Yash Dhull

✗ C. Dinesh Bana

✗ D. Shaik Rasheed

Q.46 When was the Digital Sansad app launched to watch the parliamentary proceedings activities in the Indian Parliament?

Ans

✗ A. October 2021

✗ B. July 2021

✗ C. January 2021

✓ D. January 2022

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Q.47 If '+' means 'division', '÷' means 'subtraction' , '–' means 'multiplication' and '×' means 'addition', then what is the value of X in the following equation?

$200 + 10 - 25 \times 60 \div 20 = X$

Ans

✗ A. 520

✓ B. 540

✗ C. 560

✗ D. 500

Q.48 A certain sum amounts to ₹16,500 in 2 years at 5% p. a. simple interest. Find the sum.

Ans

✓ A. ₹15,000

✗ B. ₹14,500

✗ C. ₹14,000

✗ D. ₹15,500

Q.49 In the below question two statements I and II are given. These statements may either be independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.

Statements:

I) Saketh lost his job as a software professional due to the recession last month.

II) Ayansh, a salesperson, received only half his salary as there is fall in demand for their products in the market

Ans

✓ A. Both the statements I and II are effects of a common cause.

✗ B. Both the statements I and II are independent causes.

✗ C. Statement II is the cause and statement I is its effect.

✗ D. Statement I is the cause and statement II is its effect.

Q.50 In a group of 5 friends, J, K, L, M and N, all scored different marks. J scored higher marks than L and N, but less marks than K and M. K scored more marks than M. L did not score the least marks. Who scored the least marks?

Ans

✗ A. K

✗ B. M

✓ C. N

✗ D. J

Q.51 Select the number from among the given options that can replace the question mark (?) and continue the given series.

17, 31, 55, 93, 149, ?

Ans

✗ A. 219

✗ B. 223

✓ C. 227

✗ D. 247

Q.52 Iberian Peninsula can be found in which of the following continents?

Ans

✗ A. Asia

✗ B. South America

✓ C. Europe

✗ D. North America

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Q.53 Find the reciprocal of the sum of the reciprocals of the numbers. $\frac{1}{4}, \frac{4}{3}, \frac{5}{7}, \frac{5}{4}, \frac{8}{5}$

Ans

✗ A. $\frac{22}{23}$

✓ B. $\frac{40}{303}$

✗ C. $\frac{23}{22}$

✗ D. $\frac{607}{120}$

Q.54 Which of the following countries ranked last in the Global Hunger Index of 2021?

Ans

✗ A. Egypt

✗ B. Mali

✓ C. Somalia

✗ D. India

Q.55 Boro, an ethno-linguistic community is native to which of the following states/union territories of India?

Ans

✗ A. Gujarat

✗ B. Madhya Pradesh

✗ C. Andaman and Nicobar

✓ D. Assam

Q.56 Which research institute launched a new popular online talk series called Steamboat, which integrates the arts with STEM (Science, Technology, Engineering and Mathematics) in November 2021?

Ans

✗ A. IIT, New Delhi

✗ B. IISc, Bengaluru

✗ C. IIT, Mumbai

✓ D. HBCSE, TIFR Mumbai

Q.57 What was the formal name of the Bombay Plan which was published in 1944-45?

Ans

✗ A. A plan of industrial development of India

✓ B. A plan of economic development for India

✗ C. A plan of infrastructure development of India

✗ D. A plan of strategic development of India

Q.58 A sum of ₹400 lent at compound interest amounts to ₹484 in 2 years, interest compounded yearly. What is the rate of interest p.a.?

Ans

✗ A. 12%

✗ B. 16%

✗ C. 11%

✓ D. 10%

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Q.59 Assuming 13th June 2005 was a Friday, what day of the week was 5th July 2005?

Ans

✗ A. Thursday

✓ B. Saturday

✗ C. Tuesday

✗ D. Sunday

Q.60 The Union List, State List and the Concurrent List is included in which 'Schedule' of the Indian Constitution?

Ans

✓ A. Seventh Schedule

✗ B. Twelfth Schedule

✗ C. Eighth Schedule

✗ D. Tenth Schedule

Q.61 The HCF of two numbers is 8 and the product of the two numbers is 6400. How many pairs of numbers exist, which satisfy the above conditions?

Ans

✗ A. 6

✗ B. 5

✗ C. 3

✓ D. 2

Q.62 The second number in each of the number-pairs is obtained by performing certain mathematical operations on the first number. Three of the following four number-pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

Ans

✗ A. 14 : 197

✓ B. 19 : 363

✗ C. 13 : 170

✗ D. 17 : 290

Q.63 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

HUDK : KWGM :: RBNF : UDQH :: LPQV : ?

Ans

✓ A. ORTX

✗ B. NRSX

✗ C. NSSY

✗ D. OSTY

Q.64 Of the total imports to India during April-November 2021, which country has the maximum share according to the Economic Survey 2021-22, Government of India?

Ans

✗ A. Singapore

✓ B. China

✗ C. Germany

✗ D. The US

Q.65 According to UN Human Settlements Programme, which of the following countries had its highest population living in slums in the year 2018?

Ans

✗ A. Democratic Republic of the Congo

✗ B. South Sudan

✗ C. India

✓ D. Central African Republic

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Q.66 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

_ h _ _ c d _ p _ c _ h _ k _ d h _ k _

Ans

✗ A. phcdkpchdk

✗ B. dphkchdpck

✓ C. dpkhkdpcpc

✗ D. phdkpchkpc

Q.67 Which of the following lakes is NOT located in the state of Kerala?

Ans

✗ A. Vembanad Lake

✓ B. Renuka Lake

✗ C. Sasthamcotta Lake

✗ D. Ashtamudi Lake

Q.68 Dengue is caused by _____.

Ans

✗ A. Nematode

✓ B. Viruses

✗ C. Bacteria

✗ D. Fungi

Q.69 ISDN is a digital telephone service that can transmit voice, data and control information over an existing single telephone line. What is the full form of ISDN?

Ans

✓ A. Integrated Services Digital Network

✗ B. Integrated Server Digital Network

✗ C. Integrated Services Diversified Network

✗ D. Interpreted Services Digital Network

Q.70 Who among the following was primarily associated with the establishment of Home Rule League of Madras?

Ans

✗ A. Sarojini Naidu

✓ B. Annie Besant

✗ C. Matangini Hazra

✗ D. Madam Bhikaji Cama

Q.71 Select the alphanumeric-cluster from among the given options that can replace the question mark (?) in the following series.

F6, H12, J18, L24, ?

Ans

✗ A. N12

✓ B. N30

✗ C. M12

✗ D. M30

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Q.72 In a certain code language, the letters are coded as per their alphabetical order (A as 1 and Z as 26). However, if a letter appears twice in a word, at the second occurrence, it is coded with its reverse alphabetical position. Also, if a vowel appears between two consonants, its corresponding number gets doubled.

Which among the following is the correct code for GLASS?

Ans
- ✗ A. 7122189
- ✗ B. 71221991
- ✓ C. 7122198
- ✗ D. 7121198

Q.73 According to the Economic Survey of India, which of the following states had the highest share in the overall production of groundnut for the financial year 2020-21?

Ans
- ✗ A. Punjab
- ✗ B. Jharkhand
- ✓ C. Gujarat
- ✗ D. Rajasthan

Q.74 Who is the author of the book titled 'The Midway Battle: Modi's Roller-Coaster Second Term', which was launched by Venkaiah Naidu in December 2021?

Ans
- ✓ A. Gautam Chintamani
- ✗ B. Aravind Adiga
- ✗ C. Jeet Thayil
- ✗ D. Sekhar Bandyopadhyay

Q.75 A train passes a man, going in opposite direction, in 12 seconds and the speed of the man is 10 km/ h. If the speed of the train is 62 km /h, then what is the length (in m) of the train?

Ans
- ✓ A. 240
- ✗ B. 220
- ✗ C. 250
- ✗ D. 200

Q.76 In June 2021, India and _____ signed an MoU for developing cooperation and to open new vistas of bilateral co-operation in the area of climate change, waste management, etc.

Ans
- ✗ A. Sri Lanka
- ✗ B. Bangladesh
- ✓ C. Bhutan
- ✗ D. Nepal

Q.77 Two chords AB and CD of a circle intersect at point F inside the circle. If AF = 4 cm, BF = 6 cm and CF = 3 cm, then find the length of CD.

Ans
- ✗ A. 8 cm
- ✓ B. 11 cm
- ✗ C. 12 cm
- ✗ D. 16 cm

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Q.78 If $\left[2\frac{7}{8} - \left\{3 - \left(1\frac{1}{4} - \frac{5}{8}\right)\right\}\right] + P \times \frac{1}{8} = 0$, then what is the value of P?

Ans
- ✔ A. -4
- ✘ B. 2
- ✘ C. -2
- ✘ D. 4

Q.79 The Wangala Festival is primarily celebrated in _____.

Ans
- ✔ A. Meghalaya
- ✘ B. Himachal Pradesh
- ✘ C. Ladakh
- ✘ D. Uttarakhand

Q.80 Which country became the world's first country to transition to four-and-a half day work week?

Ans
- ✘ A. China
- ✘ B. The UK
- ✔ C. The UAE
- ✘ D. France

Q.81 A question is given, followed by two statements labelled 1 and 2. Identify which of the statements is/are sufficient/necessary to answer the question.

Question:

What day is the 17^{th} of a given month?

Statements:

1. The last day of month is Monday.

2. The second Saturday of month is on 12^{th}.

Ans
- ✘ A. 1 alone is sufficient while 2 alone is not sufficient
- ✘ B. Both 1 and 2 are necessary
- ✔ C. 2 alone is sufficient while 1 alone is not sufficient
- ✘ D. Neither 1 nor 2 is sufficient

Q.82 The area of a rectangle is 2430 cm^2 and its width is 9 cm less than its length. Find the perimeter of the rectangle.

Ans
- ✔ A. 198 cm
- ✘ B. 192 cm
- ✘ C. 180 cm
- ✘ D. 216 cm

Q.83 Which two signs should be interchanged to make the equation correct?

$69 \times 3 - 4 \div 5 + 6 = 9$

Ans
- ✘ A. × and +
- ✘ B. ÷ and +
- ✔ C. × and ÷
- ✘ D. + and −

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Q.84 India has a land border of about_____ km with neighbouring countries.

Ans

✗ A. 20233

✗ B. 7516

✗ C. 5055

✓ D. 15106

Q.85 Five friends, Puneet, Jatin, Gautam, Arshil and Tina, like five different subjects namely Maths, English, Science, Computer and Hindi, but not necessarily in the same order. Each of the friends also like one sport, namely Cricket, Hockey, Badminton, Football and Basketball, such that no two has the same favourite sport.

Tina likes Science but does not like Hockey. The one who likes Hindi also likes Basketball. Arshil likes Badminton but does not like Computer or English. Gautam likes Hockey but does not like English or Maths. Tina likes Football. Puneet likes Cricket. Who likes Hindi?

Ans

✓ A. Jatin

✗ B. Gautam

✗ C. Puneet

✗ D. Arshil

Q.86 Tarana Singer, Pandit Rattan Mohan Sharma belongs to the _____gharana

Ans

✓ A. Mewati

✗ B. Indore

✗ C. Dilli

✗ D. Agra

Q.87 Rahul started from his home to go to a park. He went 50 metres towards the East, then turned towards the South and walked 10 metres. He then turned right and walked for 40 metres. Finally, he turned to his right and walked 20 metres to reach the park. In which direction is his house from the park? (All turns are 90^{o} turns only)

Ans

✗ A. North-east

✗ B. North-west

✓ C. South-west

✗ D. South-east

Q.88 A field is in the shape of a rhombus, whose perimeter is 292 m and one of its diagonals is 96 m. What is the area of the field?

Ans

✗ A. $4800\ m^2$

✓ B. $5280\ m^2$

✗ C. $5040\ m^2$

✗ D. $7008\ m^2$

Q.89 For Rajya Sabha membership, the President nominates _____ members on the basis of their excellence in literature, science, art and social service and the rest are elected.

Ans

✗ A. 11

✓ B. 12

✗ C. 10

✗ D. 13

Q.90 Who became the youngest bowler to take 400 T20 wickets in T20 cricket during ICC T20 World Cup 2021?

Ans

✗ A. Shakib Al Hasan

✗ B. Dwayne Bravo

✗ C. Martin Guptill

✓ D. Rashid Khan

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Q.91 Manu purchased an old bike for ₹5,500, spent 12% of this amount on repairs, and had to later sell it at an overall loss of 5%. What was the price at which Manu sold the bike?

Ans

✗ A. ₹5,882

✗ B. ₹5,872

✓ C. ₹5,852

✗ D. ₹5,832

Q.92 _____ was a blind poet who sang the glory of Krishna in his collection by the name 'Sursagar'.

Ans

✓ A. Surdas

✗ B. Chaitanya

✗ C. Virdas

✗ D. Vidyapati

Q.93 Select the alphanumeric-cluster from among the given options that can replace the question mark (?) in the following series.

3Y7, 8X9, 15W11, 24V13, 35U15, ?

Ans

✓ A. 48T17

✗ B. 47S14

✗ C. 49T19

✗ D. 44S16

Q.94 The average of 38 numbers is 51. The average of the first 24 numbers is 45, and that of the last 5 numbers is 60. What is the average of the remaining numbers?

Ans

✗ A. 61

✗ B. 59

✓ C. 62

✗ D. 60

Q.95 A 3200 m long **cylindrical** copper wire of radius 0.3 mm is melted and recast into a sphere (without wasting any material). What is the surface area (in cm^2) of the sphere?

Ans

✗ A. 256π

✓ B. 144π

✗ C. 198π

✗ D. 140π

Q.96 Which Article of the Indian Constitution casts an obligation on the State to provide early childhood care and education for all children until they complete the age of six years?

Ans

✓ A. Article 45

✗ B. Article 43

✗ C. Article 42

✗ D. Article 44

Q.97 In a certain code language, 'club' is written as 'school', 'school' is written as 'playground', 'playground' is written as 'house', 'house is written as 'market' and 'market' is written as 'bus'.

Where do students go to study?

Ans

✗ A. School

✗ B. Bus

✓ C. Playground

✗ D. House

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Q.98 The Industrial Policy Resolution (IPR) 1956 was adopted in order to achieve the aim of a socialist state with government controlling the major strategic industries of the economy. According to this resolution, industries were classified into _____.

Ans

✗ A. four categories

✓ B. three categories

✗ C. five categories

✗ D. two categories

Q.99 Eight friends are sitting around a square table, four at the corners and four in the middle of the four sides. All of them are facing the centre. Cindy is an immediate neighbour of both Leo and Roger. Both Leo and Roger are sitting at the corners. Only three people sit between Kate and Dylan. Ben is second to the right of Leo. Cindy is second to the right of Dylan. Only three people sit between Louis and Cindy. Myra is second to the left of Roger. Who is sitting to the immediate right of Dylan?

Ans

✗ A. Myra

✓ B. Roger

✗ C. Cindy

✗ D. Louis

Q.100 Read the given seating arrangement information and answer the question that follows.

Prashant, Kamal, Rishi, Sunita, Tanvi, Vimal, Wazir and Yogita are sitting at a square table in such a way that four of them are sitting at four corners of the table, while the other four are sitting in the middle of each of four sides of the table. The four who are sitting at the corners of the table are facing the centre, whereas those who are sitting in the middle of the sides of the table are facing outside. Prashant, who is facing the centre, is sitting third to the right of Vimal. Tanvi, who is facing the centre, is not an immediate neighbour of Vimal. Only one person is sitting between Vimal and Wazir. Sunita sits second to the right of Kamal. Kamal is facing the centre. Rishi is not an immediate neighbour of Prashant.

Which of the following statements regarding Kamal is true?

Ans

✗ A. Kamal is an immediate neighbour of both Tanvi and Sunita.

✓ B. Kamal is an immediate neighbour of Vimal.

✗ C. Kamal is an immediate neighbour of Yogita.

✗ D. Kamal is sitting to the immediate right of Tanvi.

Q.101 Five candidates, J, K, L, M and N are sitting in the same row, facing north waiting to be interviewed by the HR Manager. N is to the left of K. L is an immediate neighbor of both K and J. If J is fourth from the left, then how far is N from the right?

Ans

✗ A. 4^{th} from the right

✗ B. 2^{nd} from the right

✗ C. 3^{rd} from the right

✓ D. 5^{th} from the right

Q.102 Which of the following sentences about money is INCORRECT?

Ans

✗ A. Economic exchanges without the mediation of money are referred to as barter exchanges

✗ B. The first and foremost role of money is that it acts as a medium of exchange.

✗ C. Money acts as a convenient unit of account.

✓ D. The value of all goods and services cannot be expressed in monetary units.

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Q.103 Which of the following statements is/are true?

1. The Chief Justice and other judges of the Supreme Court are appointed by the President of India.
2. No person who has held office of a judge of the Supreme Court is allowed to plead as an advocate in any court or before any authority within the territory of India.
3. The judges of the Supreme Court are paid such salaries as are determined by the Parliament from time to time.

Ans

✗ A. Only 3

✓ B. 1, 2 and 3

✗ C. Only2

✗ D. Only 1

Q.104 From the given options, Rohingya Muslims are natives of _____.

Ans

✗ A. Nepal

✓ B. Myanmar

✗ C. Bhutan

✗ D. China

Q.105 Republic of Maldives which is also called Maldive Islands is an independent island country in the north-central:

Ans

✗ A. Bay of Bengal

✓ B. Indian Ocean

✗ C. South China Sea

✗ D. Arabian Sea

Q.106 A jar contains a mixture of two liquids A and B in the ratio 3 : 4. If 5 litres of liquid A is added into the jar, then their respective ratio becomes 4 : 5. The quantity of liquid B contained in the jar is:

Ans

✗ A. 75 litres

✓ B. 100 litres

✗ C. 80 litres

✗ D. 90 litres

Q.107 If $3\cos^2\theta + 1 = 4sin\theta, 0° < \theta < 90°$, then the value of $\sec^2\theta$ is:

Ans

✓ A. $\frac{9}{5}$

✗ B. $\frac{5}{9}$

✗ C. $\frac{5}{4}$

✗ D. $\frac{4}{5}$

Q.108 The Asafi Imambara built by Asaf-ud-Daula, is located in _____

Ans

✗ A. Bijapur

✓ B. Lucknow

✗ C. Delhi

✗ D. Agra

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Q.109 Simplify:

$\sqrt[4]{1296^3}$

Ans

✗ A. 512

✗ B. 288

✓ C. 216

✗ D. 864

Q.110 The Jawahar Rojgar Yojana was launched in 1989 with a motive to _____.

Ans

✓ A. generate wage employment for the needy rural labours

✗ B. create housing opportunities for the needy rural labours

✗ C. train the daily wage workers to look for additional income

✗ D. generate foreign investment for the needy rural labours

Q.111 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

a) Some fries are cakes.

b) All burgers are cakes.

c) All cakes are chips.

Conclusions:

I. All fries are chips.

II. Some chips are fries.

III. All burgers are chips.

Ans

✗ A. Only conclusions I and II follow.

✗ B. All the conclusions follow.

✗ C. Only conclusions I and III follow.

✓ D. Only conclusions II and III follow.

Q.112 In a division involving decimal fractions, the divisor is 22.8 and the quotient is 8.5, while the remainder is 0. What is the dividend?

Ans

✗ A. 193.4

✓ B. 193.8

✗ C. 193.2

✗ D. 193.6

Q.113 Which among the following is attributed to Kautilya?

Ans

✗ A. Indica

✗ B. Mudrarakshasa

✓ C. Arthashastra

✗ D. Ratnavali

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Q.114 Five years ago, the average age of A, B and C was 17 years. Seven years ago, the average age of A and B was $17\frac{1}{2}$ years. What will be the age (in years) of C after 2 years from now?

Ans

✗ A. 20

✓ B. 19

✗ C. $20\frac{1}{2}$

✗ D. $18\frac{1}{2}$

Q.115 According to the Article 243B of the Indian Constitution, Panchayats at the intermediate level may NOT be constituted in a State having a population not exceeding _____ lakhs.

Ans

✗ A. fifteen

✗ B. ten

✓ C. twenty

✗ D. five

Q.116 If the ratio of the mode and median is 13 : 9, then find the ratio of the mean and mode using empirical relation.

Ans

✗ A. 9 : 8

✗ B. 8 : 9

✓ C. 7 : 13

✗ D. 8 : 13

Q.117 A _____is a passive two-terminal electrical component that implements electrical resistance as a circuit element.

Ans

✗ A. diode

✓ B. resistor

✗ C. capacitor

✗ D. transistor

Q.118 Mohan started travelling and he first went in the South direction. Then he took a turn to his left and walked a distance. Thereafter, he turned to his right and travelled some distance. Now if he turned to his left and walked again for a certain distance, in which direction is Mohan travelling now? (All turns are 90^0 turns only)

Ans

✓ A. East

✗ B. North

✗ C. West

✗ D. South

Q.119 Select the alphanumeric-cluster from among the given options that can replace the question mark (?) in the following series.

7B9, 14D18, 21G28, 28K39, ?

Ans

✓ A. 35P51

✗ B. 32P49

✗ C. 33P51

✗ D. 35P49

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Q.120 Given is the data on the weights of some students. What is the mean weight (in Kg) of all these students taken together?

No. of Students	Weights of the Students (in Kg)
5	31
7	25
6	20
4	35
3	20

Ans

✗ A. 23

✗ B. 28

✗ C. 22

✓ D. 26

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सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Test Date	17/06/2022
Test Time	9:00 AM - 10:30 AM
Subject	NTPC

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **NTPC**

Q.1 By way of the Constitution (Eighty-sixth Amendment) Act, 2002, _____ has been included in the list of Fundamental Rights as part of the Right to Freedom.

Ans
- ✗ A. protection against arrest and detention in certain cases
- ✓ B. right to education
- ✗ C. to practise any profession, or to carry on any occupation, trade, or business
- ✗ D. right to assemble peaceably and without arms

Q.2 Guru Shikhar Peak is the highest peak of which of the following mountain ranges?

Ans
- ✗ A. Eastern Ghats
- ✓ B. Aravali Range
- ✗ C. Western Ghats
- ✗ D. Himalaya Mountain

Q.3 Rakesh secured 92% in a test and Kiran secured 96% in the same test. If the test is conducted out of 375 marks, what is the sum of the marks secured by both Rakesh and Kiran?

Ans
- ✓ A. 705
- ✗ B. 700
- ✗ C. 720
- ✗ D. 715

Q.4 Ravi travels from City A to City B and from City B to City A in 4 hours. If the average speed of the total journey is 68.3 km/h, what is the distance between City A and City B?

Ans
- ✓ A. 136.6 km
- ✗ B. 273.2 km
- ✗ C. 197.6 km
- ✗ D. 152.7 km

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Q.5 The Niagara Falls drains the water from Lake Erie into _____.

Ans
✗ A. Lake Michigan
✗ B. Lake Superior
✓ C. Lake Ontario
✗ D. Lake Huron

Q.6 Which of the following is the Greek letter for wavelength?

Ans
✗ A. Alpha
✗ B. Beta
✗ C. Delta
✓ D. Lambda

Q.7 The Mohan Veena, a modified Hawaiian Guitar also known as Hindustani Slide Guitar was created and popularized by _____.

Ans
✗ A. Asad Ali Khan
✓ B. Vishwa Mohan Bhatt
✗ C. Ram Narayan
✗ D. Anoushka Shankar

Q.8 The Second Five-Year Plan was aimed at laying emphasis on _____.

Ans
✗ A. food import
✓ B. industrial sector
✗ C. agricultural sector
✗ D. water scarcity

Q.9 Select the number from among the given options that can replace the question mark (?) in the following series.

23, 33, 49, 73, 109, ?

Ans
✗ A. 135
✓ B. 163
✗ C. 119
✗ D. 123

Q.10 Select the number from among the given options that can replace the question mark (?) and continue the given series.

67, 71, 79, 91, 107, ?

Ans
✗ A. 123
✗ B. 119
✗ C. 131
✓ D. 127

Q.11 In a certain code language, if 'CELL' is coded as '32' and 'PHONE' is coded as '58', how will 'BOLD' be coded in that language?

Ans
✓ A. 33
✗ B. 32
✗ C. 43
✗ D. 54

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Q.12 The value of $5\sqrt{12} + 6\sqrt{27} - 4\sqrt{75} + \sqrt{192}$ is:

Ans

✗ A. $22\sqrt{3}$

✓ B. $16\sqrt{3}$

✗ C. $18\sqrt{3}$

✗ D. $20\sqrt{3}$

Q.13 In Jammu and Kashmir, Lieutenant Governor Manoj Sinha launched 'Saath', an initiative focusing on _____.

Ans

✓ A. Self Help Group (SHG) women

✗ B. construction workers

✗ C. lactating mothers

✗ D. medical practitioners

Q.14 What is the value of $\frac{9}{15} \times \frac{45}{81}\left\{\frac{49}{6} \times \left(\frac{16}{7} - 2\right) \times \frac{24}{5} \times \frac{15}{16}\right\}$?

Ans

✗ A. 6.5

✓ B. 3.5

✗ C. 7.5

✗ D. 4.5

Q.15 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. All keys are locks.

II. Some locks are doors.

Conclusions:

I. Some doors are keys.

II. Some doors are locks.

Ans

✗ A. Both the conclusions follow

✗ B. Only conclusion I follows

✓ C. Only conclusion II follows

✗ D. Neither conclusion I nor II follows

Q.16 {1, 4, 7, 12, 13, 10, 11, 0, 0, 18, 37, 33, 29, 27, 16, 25, 28, 17, 19}

What are the Mean, the Median and the Mode of the above set of data, in the same order, corrected to two decimal places?

Ans

✗ A. 0, 16, 16.16

✗ B. 16, 16.16, 0

✓ C. 16.16, 16, 0

✗ D. 16, 0, 16.16

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Q.17 ABC is an isosceles triangle in which AB = AC and $\angle BAC = 50°$. Side BC is extended to D. Find the measure of $\angle ACD$.

Ans

✗ A. $100°$

✗ B. $130°$

✗ C. $110°$

✓ D. $115°$

Q.18 Find the HCF of

$(a - b)(a + 2b), (a^2 - b^2)(a + 2b), (a + b)(a^2 - b^2)$, where a > b > 0

Ans

✗ A. $a + b$

✗ B. $a + 2b$

✗ C. $a - 2b$

✓ D. $a - b$

Q.19 Which of the following is the world's second largest language family?

Ans

✗ A. Austronesian

✗ B. Niger-Congo

✓ C. Sino-Tibetan

✗ D. Indo-European

Q.20 If village A is located to the west of village B, village C is to the south of village A and village D is to the east of village C, then in which direction is village D located with respect to village A?

Ans

✓ A. South-east

✗ B. North

✗ C. North-east

✗ D. East

Q.21 According to the Press Information Bureau release on 2nd February 2022, which of the following sites has NOT been identified for the Saffron Bowl project in Meghalaya?

Ans

✗ A. Cherrapunji

✗ B. Shillong

✓ C. Tura

✗ D. Barapani

Q.22 Madhvi started her journey at 9:25 am and covered 24% of the distance by 9:39:24 am. At what time will she reach her destination if she continues at the same speed?

Ans

✓ A. 10:25 am

✗ B. 10:20 am

✗ C. 10:15 am

✗ D. 10:30 am

Q.23 What would be the interest payable on a sum of ₹15,000 after 2 years if the interest is compounded yearly at 2% per annum?

Ans

✓ A. ₹606

✗ B. ₹604

✗ C. ₹600

✗ D. ₹608

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Q.24 If

'S # T' means S is the father of T,

'S $ T' means 'S is the mother of T',

'S @ T' means 'S is the husband of T',

'S = T' means 'S is the son of T',

then how is E related to L in the following expression?

L $ Q = B # D @ E $ O

Ans

✗ A. Daughter

✗ B. Mother

✗ C. Mother-in-law

✓ D. Daughter-in-law

Q.25 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans

✗ A. DBI

✓ B. JGO

✗ C. SQX

✗ D. HFM

Q.26 As per Article 170 of the Constitution of India, the Legislative Assembly of each State shall consist of not more than _____, and not less than _____, members chosen by direct election from territorial constituencies in the State.

Ans

✗ A. 400, 70

✗ B. 450, 80

✓ C. 500, 60

✗ D. 550, 75

Q.27 The length of a rectangular plot is twice its breadth and the length of its diagonal is $6\sqrt{5}m$. The perimeter of the plot is

Ans

✓ A. 36 m

✗ B. 54 m

✗ C. 48 m

✗ D. 28 m

Q.28 The system of separate electorates for Harijans was replaced by reservation of seats for them under the _____

Ans

✗ A. Cripps Mission Proposal

✗ B. Lucknow Pact

✗ C. Gandhi- Irwin Pact

✓ D. Poona Pact

Q.29 In a class of 80 students, $\frac{1}{10}^{th}$ of the class like Chocolate D and $\frac{1}{20}^{th}$ of the class likes Chocolate E. What is the difference between the number of students who like Chocolate D and the number of students who like Chocolate E?

Ans

✗ A. 9

✗ B. 5

✗ C. 2

✓ D. 4

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Q.30 A can do a certain work in 45 days. B is 50% more efficient than A, and C is 3 times as fast as A. They started the work together but C left 7 days before completion of the work. In how many days was the entire work completed?

Ans

✗ A. 15 days

✗ B. 18 days

✗ C. 10 days

✓ D. 12 days

Q.31 According to Census of India 2011, what was the sex ratio of Daman & Diu?

Ans

✗ A. 748 females per 1000 males

✗ B. 696 females per 1000 males

✗ C. 723 females per 1000 males

✓ D. 618 females per 1000 males

Q.32 Six companies, P, Q, R, S, T and U, are situated on different floors of a 6-floored building, but not necessarily in the same order. The lowest floor of the building is numbered 1, the floor above it is numbered as 2, and so on, up to the top floor, which is numbered as 6. Company Q is not situated at floor number 1. Company P has five companies situated below its floor. There are only two companies situated between the floors of companies T and P and also between the companies Q and U. Company S is situated on an odd numbered floor, but not on the lowest floor. Which company is situated on floor number 1?

Ans

✗ A. P

✓ B. U

✗ C. R

✗ D. T

Q.33 A person sells his goods at 30% profit. If the cost price increases by 25%, and the selling price increases by 10%, then what is his new profit percentage?

Ans

✗ A. 16.4%

✗ B. 15.6%

✓ C. 14.4%

✗ D. 13.5%

Q.34 Five friends A, B, C, D and E are sitting in a circle facing towards centre. Their order of sitting must fulfil the following conditions:

1. A and C are immediate neighbours of each other. .
2. C is the 2nd person to the right of D.
3. A is not an immediate neighbour of D.
4. B sits 2nd to the left of A.

What will be the position of E with respect to C?

Ans

✗ A. E is second to the left of C

✗ B. E is to immediate right of C

✗ C. E is third to the right of C

✓ D. E is second to the right of C

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Q.35 Complete the sentence using the options given below.

The short-run marginal cost curve is 'U'-shaped due to _____.

Ans

✔ A. the law of variable proportions

✘ B. more supply of products

✘ C. the law of fixed proportions

✘ D. aggregate demand

Q.36 Rohit walked towards the West and took a turn at 45° in the clockwise direction. He again turned at 180° in the clockwise direction. Lastly, he turned 270° in the anti – clockwise direction. In which direction was Rohit facing at last?

Ans

✘ A. West

✘ B. North-west

✘ C. South

✔ D. South-west

Q.37 Which cultural festival was inscribed on the UNESCO's Representative List of the Intangible Cultural Heritage of Humanity during its 16th session which took place virtually from 13 to 18 December 2021?

Ans

✔ A. Durga Puja

✘ B. Ganesh Chaturthi

✘ C. Onam

✘ D. Pongal

Q.38 Which of the given numbers is divisible by 45?

Ans

✘ A. 12345

✘ B. 12365

✘ C. 12355

✔ D. 12375

Q.39 Who among the following visited India during the reign of Harshavardhana?

Ans

✘ A. Marco Polo

✘ B. Ibn Battuta (Abu Abdullah Muhammad ibn Battutah)

✔ C. Xuan Zang (Hsuan Tsang)

✘ D. Fa Hien

Q.40 The decision of the _____ will be considered as final in case there is a dispute over the disqualifications of members of either house of the Parliament.

Ans

✔ A. President

✘ B. Deputy Speaker

✘ C. Speaker

✘ D. Election Commission

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Q.41 What is the value of $\frac{27}{5} \times \frac{15}{81} \div \left\{\frac{14}{77} \times \frac{86}{72} \times \frac{99}{43}\right\}$?

Ans

✗ A. 4

✗ B. 5

✓ C. 2

✗ D. 3

Q.42 Three numbers are in the ratio 17 : 25 : 66 and their HCF is 18. The smallest number among them is:

Ans

✗ A. 378

✗ B. 360

✓ C. 306

✗ D. 342

Q.43 In a class of 36 students, there are three people between Rohit and the one who ranked 21st from the bottom. Rohit's rank is below the one whose rank is 21st from the bottom. What is Rohit's rank from the top?

Ans

✓ A. 20th

✗ B. 22nd

✗ C. 19th

✗ D. 18th

Q.44 In which country the headquarters of International Rice Research Institute (IRRI) is located?

Ans

✗ A. Japan

✗ B. China

✗ C. Malaysia

✓ D. Philippines

Q.45 A sum of ₹x is divided among A, B and C such that the ratio of their shares is 2 : 3 : 5. If the positive difference between the shares of B and C is ₹5,940, then what is the value of x?

Ans

✓ A. 29,700

✗ B. 23,220

✗ C. 22,680

✗ D. 25,920

Q.46 Which Article of the Indian Constitution is related with protection in respect of conviction for offences?

Ans

✗ A. 19

✓ B. 20

✗ C. 21

✗ D. 18

Q.47 Jaintia is the name of a tribe as well as a hill range found in the state of _____.

Ans

✗ A. West Bengal

✓ B. Meghalaya

✗ C. Karnataka

✗ D. Tamil Nadu

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Q.48 A solid metallic cylindrical rod of radius 1.4 cm and length 24 cm is melted and recast as identical spherical balls of radius 2 mm. How many maximum such balls could be made?

Ans

✗ A. 4500
✓ B. 4410
✗ C. 4450
✗ D. 4580

Q.49 If 1 August 2021 was Sunday, then what was the day on 1 November 2021?

Ans

✗ A. Sunday
✓ B. Monday
✗ C. Tuesday
✗ D. Friday

Q.50 Who won the BWF Female Para Badminton Player of the Year 2021?

Ans

✗ A. Tai Tzu Ying
✓ B. Leani Ratri Oktila
✗ C. Helle Sofie Sagøy
✗ D. Karin Suter-Erath

Q.51 Which space agency launched a first-of-its-kind mission named DART?

Ans

✗ A. JAXA
✗ B. ISRO
✓ C. NASA
✗ D. Roscosmos

Q.52 Eight friends, A, B, C, D, E, F, G and H are sitting around a square table. Four of them are sitting at four corners of the table and are facing the centre. The other four are sitting at the middle of each of the four sides and are facing opposite to the centre. E is facing the centre and is not an immediate neighbor of G. A is facing centre and is sitting at the third position from the right of G. D is sitting to the immediate right of B. B is facing the centre while C is not an immediate neighbor of A. There is only one person sitting between G and H.

Who among the following sits to the immediate right of F?

Ans

✓ A. E
✗ B. A
✗ C. G
✗ D. D

Q.53 The product of 16 and another number y is 460.8. What will the quotient be when y is divided by 16?

Ans

✗ A. 2.2
✗ B. 1.7
✓ C. 1.8
✗ D. 2.3

Q.54 In which of the following network topologies do the connected components make a closed loop?

Ans

✗ A. Tree topology
✓ B. Ring topology
✗ C. Star topology
✗ D. Bus topology

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Q.55 Six friends are sitting in a bench facing east. Falak is third to the right of Charu. There are only two people sitting between Sargun and Karan. Charu is at the north end of the bench. Arav is sitting to the immediate left of Falak. Vaibhav and Karan are sitting immediately next to each other. Who is sitting second from the south end?

Ans

✗ A. Arav

✗ B. Sargun

✗ C. Falak

✓ D. Karan

Q.56 In a certain code language, 'OBTAIN' is written as 'NATBOI', and 'BEGGER' is written as 'RGGEBE'. How will 'RUGGED' be written in that language?

Ans

✗ A. DGGUER

✗ B. DGUGRE

✗ C. GGURED

✓ D. DGGURE

Q.57 In ΔABC, AD is a median of the triangle, intersecting BC at D. The three medians of the triangle meet at a point G. If AG = (7y – 3) cm and DG = 3y cm, then find the length of AD.

Ans

✗ A. 33 cm

✗ B. 24 cm

✗ C. 30 cm

✓ D. 27 cm

Q.58 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

a) Some boxes are bags.

b) All pouches are bags.

Conclusions:

I. Some bags are boxes.

II. Some pouches are boxes.

Ans

✗ A. Both conclusions I and II follow.

✓ B. Only conclusion I follows.

✗ C. Only conclusion II follows.

✗ D. Neither conclusion I nor II follows.

Q.59 A and B can do a piece of work in 45 and 40 days respectively. They began the work together but A left the work after some days and B alone finished the remaining work in 23 days. After how many days did A leave?

Ans

✗ A. 11 days

✗ B. 10 days

✗ C. 12 days

✓ D. 9 days

Q.60 The length of the hypotenuse of a right-angled triangle is 13 cm and the length of one of the other two sides is 5 cm. What is the area (in cm^2) of the triangle?

Ans

✗ A. 29.5

✓ B. 30

✗ C. 28

✗ D. 32.5

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Q.61 'A Nation in Making' a book written by _____.

Ans

✗ A. M. G. Ranade

✓ B. Surendranath Banerjee

✗ C. G. K. Gokhale

✗ D. Vallabhbhai Patel

Q.62 How many pairs of autosomes does a normal human have?

Ans

✗ A. 1

✗ B. 23

✓ C. 22

✗ D. 44

Q.63 A sum of money, when invested at 14.5% p.a. simple interest amounts to ₹13,464 after 6 years. What was the sum invested?

Ans

✗ A. ₹7,600

✗ B. ₹70,800

✓ C. ₹7,200

✗ D. ₹7,450

Q.64 $484.71 + 285.33 - 827.38 + 73.9 = ?$

Ans

✓ A. 16.56

✗ B. 36.54

✗ C. 15.78

✗ D. 19.78

Q.65 As per World Health Organization, keeping salt intake to less than _____helps to prevent hypertension, and reduces the risk of heart disease and stroke in the adult population.

Ans

✗ A. 5 g per week

✓ B. 5 g per day

✗ C. 10 g per week

✗ D. 10 g per day

Q.66 Which of the following countries had the highest population density, according to World Bank, in the year 2020?

Ans

✗ A. Serbia

✗ B. Bangladesh

✗ C. China

✓ D. Monaco

Q.67 Jack obtained 45% marks in a test and failed by 18 marks. If he obtained 65% marks, he would have got 6 marks more than the minimum marks required to pass the test. How much were the maximum marks one could obtain in that test?

Ans

✗ A. 80

✗ B. 130

✓ C. 120

✗ D. 140

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Q.68 The average of 29.75, 18.25 and number N is 23. What is the value of number N?

Ans

✗ A. 23

✗ B. 19

✗ C. 17

✓ D. 21

Q.69 A is shorter than E but taller than C. C is taller than D but shorter than B, who is shorter than A. Who among them is the tallest?

Ans

✗ A. D

✓ B. E

✗ C. B

✗ D. A

Q.70 Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

Statement:

Farmers should be given extra 10% of the cost of production with the price for their produce.

Assumptions:

I. There are farmers who need monetary support.

II. Farmers do not need extra money of production cost.

Ans

✗ A. Only assumption II is implicit.

✗ B. Both assumptions I and II are implicit.

✗ C. Neither assumption I nor II is implicit.

✓ D. Only assumption I is implicit.

Q.71 Which is the sixth of the eighteen books of the Indian epic Mahabharata (written by Vyasa) that contains the widely studied Bhagavad Gita?

Ans

✗ A. Adi Parva

✗ B. Virata Parva

✓ C. Bhishma Parva

✗ D. Sabha Parva

Q.72 Which Indian chess player won the Vergani Cup Chess Tournament in January 2022?

Ans

✗ A. Sankalp Gupta

✓ B. MR Lalith Babu

✗ C. Mitrabha Guha

✗ D. Bharath Subramaniyam

Q.73 As per the India State of Forest Report (ISFR) 2021, which among the following Union Territories of India has the highest forest cover with respect to its total geographical area?

Ans

✓ A. Lakshadweep

✗ B. Ladakh

✗ C. Dadra and Nagar Haveli and Daman and Diu

✗ D. Jammu and Kashmir

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Q.74 Six colleagues, Raj, Shruti, Mayank, Preyesh, Viren and Ojas, study in the same class. Viren is taller than Raj. Ojas has the same height as Preyesh, who is taller than Shruti. Mayank is taller than Viren. Raj is not taller than Shruti. Which of the following options is NOT necessarily correct according to the given information?

Ans

✔ A. Viren is taller than Shruti.

✘ B. Raj is shorter than Mayank.

✘ C. Shruti is shorter than Ojas.

✘ D. Ojas is taller than Raj.

Q.75 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. In three of the four pairs, the same pattern is applied and hence they form a group. Select the number-pair that does NOT belong to this group.

Ans

✘ A. 18, 52

✘ B. 24, 70

✔ C. 43, 86

✘ D. 39, 115

Q.76 Which of the following countries is the biggest export partner of India for the period April-November 2021 according to the Economic Survey 2021-22?

Ans

✘ A. China

✘ B. UAE

✘ C. Singapore

✔ D. The US

Q.77 Five clothes, sweater, jacket, coat, gloves and trousers, are made of different fabrics, wool, fur, velvet, flannel and taffeta, but not necessarily in the same order. Also, each has a different colour, red, orange, black, white and yellow, but not necessarily in the same order.

The jacket and trousers are not made of velvet. The sweater is orange in colour. The coat is made of fur but is not black or red in colour. The gloves are yellow in colour but are not made of flannel or taffeta. The orange coloured item is made of wool. The jacket is made of flannel and is neither black nor white in colour. The trouser is not white in colour.

Which item is made of velvet?

Ans

✘ A. Trousers

✘ B. Sweater

✘ C. Coat

✔ D. Gloves

Q.78 Devendra Mewari was awarded the Bal Sahitya Puraskar 2021 for his play _____.

Ans

✘ A. Maya from Madurai

✘ B. Khwab-e-Hasti

✔ C. Natak Natak Me Vigyan

✘ D. Nil Darpan

Q.79 If '+' means division, '÷' means subtraction, '−' means multiplication, and '×' means addition, then what is the value of the given expression?

$175 - 10 + 2 \times 165 \div 25 + 5 = ?$

Ans

✘ A. 1025

✘ B. 1015

✔ C. 1035

✘ D. 1045

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Q.80 Himani bought a washing machine for ₹8,000 and spent ₹500 on its repairs. She sold it at 20% profit. With the money she got by selling it, she bought another washing machine and sold it at 10% loss. What is her overall loss/profit?

Ans

✔ A. Profit ₹680

✘ B. Loss ₹600

✘ C. Profit ₹640

✘ D. Loss ₹640

Q.81 P, Q, R, S, T and U are sitting around a circular table, facing the centre. P sits second to the left of U and third to the right of Q. S sits second to the right of U. R sits second to the left of Q. Who is the immediate neighbour of Q and T both?

Ans

✔ A. S

✘ B. U

✘ C. R

✘ D. P

Q.82 Which ancient Greek historian and diplomat is the author of the book '*Indica*'?

Ans

✘ A. Seleucus

✘ B. Dionysius

✔ C. Megasthenes

✘ D. Deimachus

Q.83 As per Article 6 (b)(i) of the Constitution of India, every person has a right to citizenship of India, if he/she migrated from Pakistan before the _____ and he/she has been ordinarily resident in the territory of India since the date of his/her migration.

Ans

✘ A. 18^{th} of August 1947

✔ B. 19^{th} of July 1948

✘ C. 18^{th} of July 1949

✘ D. 17^{th} of June 1947

Q.84 Which of the following states / union territories has the highest sex ratio in rural areas according to the census of India, 2011?

Ans

✘ A. Andaman & Nicobar Islands

✘ B. Delhi

✔ C. Kerala

✘ D. Meghalaya

Q.85 Select the letter-cluster from among the given options that can replace the question mark (?) and continue the given series.

KMI, IKG, GIE, ?

Ans

✘ A. GEC

✔ B. EGC

✘ C. EGB

✘ D. GEB

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Q.86 If $(y + z) = 25$ and $(y^2 - z^2) = 225$, what is the value of z?

Ans
- ✗ A. 9
- ✗ B. 7
- ✗ C. 10
- ✓ D. 8

Q.87 Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster related to the third letter-cluster and second letter-cluster is related to the first letter-cluster.

IGRS : NJWV :: BMYF : GPDI :: XQSB : ?

Ans
- ✓ A. CTXE
- ✗ B. BTWE
- ✗ C. BUWF
- ✗ D. CUXF

Q.88 The thin wire that gives off light in an electric bulb is called _____.

Ans
- ✓ A. filament
- ✗ B. relay
- ✗ C. fuse
- ✗ D. resistor

Q.89 The average age of 34 boys in a class is 12 years. If the age of teacher is also included, the average age increases by 1 year. What is the age of the teacher?

Ans
- ✗ A. 45
- ✗ B. 42
- ✗ C. 44
- ✓ D. 47

Q.90 Surajkund Mela, also known as the international crafts fair, is held in _____

Ans
- ✓ A. Haryana
- ✗ B. Odisha
- ✗ C. Uttarakhand
- ✗ D. Gujarat

Q.91 In a certain code language, 'CUP' is coded as 'DAO' and 'RAN' is coded as "SEM". How will 'BAD' be coded in that language?

Ans
- ✗ A. COC
- ✓ B. CEC
- ✗ C. COD
- ✗ D. CED

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Q.92 If $\tan\theta + 3\cot\theta = 2\sqrt{3}, 0° < \theta < 90°$, then what is the value of $\text{cosec}^2\theta$?

Ans

✗ A. $\frac{7}{6}$

✗ B. $\frac{2}{3}$

✓ C. $\frac{4}{3}$

✗ D. $\frac{1}{4}$

Q.93 Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

$119.99 \div 14.99 \times 25.01 - 19.98 \times 4.96 = ?$

Ans

✗ A. 360

✗ B. 36

✗ C. 70

✓ D. 100

Q.94 Article _____ of the Constitution of India has a provision that mandates the reservation of seats for the Scheduled Castes and Scheduled Tribes in the House of the People.

Ans

✗ A. 332

✗ B. 335

✗ C. 46

✓ D. 330

Q.95 ___ is a process associated with increasing openness, growing economic interdependence and deepening economic integration in the world economy.

Ans

✗ A. Liberalisation

✗ B. Privatisation

✓ C. Globalisation

✗ D. Nationalisation

Q.96 DAY-NRLM observed the 'Agri Nutri Garden Week' from 10th to 17th January 2022 through awareness campaigns and encouraged establishment of 'Agri Nutri Gardens' in the rural households. What is the full form of DAY-NRLM?

Ans

✓ A. Deendayal Antyodaya Yojana - National Rural Livelihood Mission

✗ B. Deendayal Antyodaya Yojana - National Rural Livelihoods Meet

✗ C. Deendayal Antyodaya Yojana - National Rural Living Mission

✗ D. Deendayal Antyodaya Yojana - National Rural Level Meet

Q.97 What is the sum of LCM and HCF of 28 and 49?

Ans

✗ A. 210

✓ B. 203

✗ C. 196

✗ D. 217

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Q.98 Select the letter-cluster that can fill in the blank in the following series.

ANDR, DKJL, GHPF, JEVZ, _____, PYHN

Ans

✗ A. MBBS

✗ B. MBCT

✗ C. MBTI

✓ D. MBBT

Q.99 A certain sum at compound interest amounts to ₹3,025 in 2 years and to ₹3,327.5 in 3 years, interest compounded annually. The sum and the rate of interest p.a. are, respectively:

Ans

✗ A. ₹2,800 and 9%

✗ B. ₹2,200 and 10%

✗ C. ₹2,000 and 8.5%

✓ D. ₹2,500 and 10%

Q.100 Karthik and Sneha together can do a work in 25 days. Sneha and Madhuri together can do the same work in 20 days. Madhuri and Karthik together can do the same work in 15 days. How long will they take to complete the work, if all three of them work together? (Number of days should be rounded off to the nearest integer)

Ans

✓ A. 13 days

✗ B. 11 days

✗ C. 17 days

✗ D. 19 days

Q.101 The radius of the base of a solid right circular cone is 5 cm and its height is 12 cm. What is its total surface area (in cm^2)?

Ans

✗ A. 34π

✓ B. 90π

✗ C. 84π

✗ D. 70π

Q.102 Select the option that is related to the fifth letter-cluster in the same way as the fourth letter-cluster related to the third letter-cluster and second letter-cluster is related to the first letter-cluster.

FTPY : JVTA :: NVZG: RXDI :: MPRE : ?

Ans

✗ A. QSVH

✓ B. QRVG

✗ C. PSUH

✗ D. PRUG

Q.103 If it was Monday on 12 July 1965, then which day of the week was it on 14 August 1966?

Ans

✗ A. Tuesday

✓ B. Sunday

✗ C. Wednesday

✗ D. Monday

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Q.104 Which of the following states was the largest producer of Bauxite in 2018-19 as per the Indian Minerals Yearbook 2019?

Ans

✗ A. Gujarat

✗ B. Madhya Pradesh

✓ C. Odisha

✗ D. Rajasthan

Q.105 Dr. Subbanna Ayyappan has been awarded the Padma Shri in Science and Engineering in January 2022. He is a/an _____.

Ans

✓ A. aquaculture scientist

✗ B. neuro scientist

✗ C. molecular biologist

✗ D. nuclear scientist

Q.106 Which of the following MS-Word features crosses texts out by drawing a line through it?

Ans

✗ A. Pagination

✗ B. Underline

✓ C. Strikethrough

✗ D. Subscript

Q.107 Study the following arrangement of letters and symbols (from Left to Right) and answer the question that follows:

(Left) H S % V ^ E R U : F J # S A U & G * G H @ D C ! I N O ? S (Right)

How many consonants are there in this arrangement which are immediately preceded by a vowel?

Ans

✗ A. 4

✗ B. 5

✓ C. 2

✗ D. 3

Q.108 Which of the following is the largest river island in India?

Ans

✓ A. Majuli Island

✗ B. Bhavani Island

✗ C. Nongkhnum River Island

✗ D. Quibble Island

Q.109 The lengths of the three sides of a triangle are 12 cm, 15 cm and 21 cm, respectively. Find the area (in cm^2) of the triangle.

Ans

✗ A. $48\sqrt{6}$

✗ B. $30\sqrt{6}$

✓ C. $36\sqrt{6}$

✗ D. $72\sqrt{6}$

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Q.110 Ravikirti's Aihole inscription speaks in detail the victory of Pulakesin II over:

Ans

✗ A. Kharavela

✓ B. Harsha

✗ C. Samudragupta

✗ D. Kirtivarman I

Q.111 Which of the following countries was NOT among the top four producers of wheat in the world, according to Food and Agriculture Organization, in 2020?

Ans

✗ A. China

✓ B. Canada

✗ C. India

✗ D. The US

Q.112 Read the given information carefully and then answer the question that follows.

A, B, C, D and E help themselves to buy some drinks from a stall. Four of them each buy a cup of coffee. B and D do not buy tea as all the others do. In fact, B buys only one drink, which is a cold drink. Cold drink is not bought by others apart from B. Only A and E do not buy ice-tea. Who among the following buys three drinks?

Ans

✗ A. B

✓ B. C

✗ C. E

✗ D. A

Q.113 A question is given, followed by two statements labelled 1 and 2. Identify which of the statements is/are sufficient/necessary to answer the question.

Question:

Is Mohita younger or older than Shubham?

Statements:

1. Mohita is, at present, exactly 35 years younger than her father.

2. Mohita's brother, Shubham, who was born in 1954, is exactly 34 years younger than his father.

Ans

✗ A. Statement 1 alone is sufficient, while statement 2 alone is not sufficient

✗ B. Statement 2 alone is sufficient, while statement 1 alone is not sufficient

✓ C. Both statements 1 and 2 are necessary

✗ D. Either statement 1 or statement 2 is sufficient

Q.114 At the Second Battle of Panipat, Bairam Khan defeated _____ .

Ans

✗ A. Khan Zaman

✗ B. Rana Pratap

✓ C. Hemu

✗ D. Maharana Pratap

Q.115 Where was the first indigenously owned bicycle-manufacturing unit of India, Atlas Cycles, established in the 1950s?

Ans

✗ A. Lahore

✗ B. Multan

✗ C. Amritsar

✓ D. Sonipat

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Q.116 The role of _____ is to be ready to lend to banks at all times and so it is said to be the lender of last resort.

Ans

✗ A. State Bank of India

✓ B. Reserve Bank of India

✗ C. World Bank

✗ D. Consolidated Fund of India

Q.117 Changsang dance is performed by the Chang tribe from _____during Naknyulum festivals.

Ans

✗ A. Chhattisgarh

✗ B. Jharkhand

✗ C. Odisha

✓ D. Nagaland

Q.118 What percentage of Defence Research and Development budget has been set aside for start-ups and private entities in the Union Budget 2022-23 for the financial year 2022-23?

Ans

✗ A. 20%

✗ B. 10%

✓ C. 25%

✗ D. 15%

Q.119 In a certain coding language, MORE is written as LNQD and STOP is written as RSNO. How will TOY be written in that language?

Ans

✓ A. SNX

✗ B. NXS

✗ C. PTU

✗ D. XNS

Q.120 Given is the data on the ages of the students of a class. What is the mean age of all the students taken together?

No of Students	Age of the Students
8	8
6	8
10	7
9	7
7	5

Ans

✓ A. 7

✗ B. 6

✗ C. 5

✗ D. 8

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Test Date	17/06/2022
Test Time	12:45 PM - 2:15 PM
Subject	NTPC

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **NTPC**

Q.1 In a certain coding language, TOTAL is written as 68 and PEN is written as 35. In the same language, what will OIL be written as?

Ans
- ✗ A. 56
- ✓ B. 36
- ✗ C. 46
- ✗ D. 66

Q.2 The audible range of sound for human beings extends from about:

Ans
- ✗ A. 30 Hz to 30,000 Hz
- ✗ B. 10 Hz to 10,000 Hz
- ✗ C. 40 Hz to 40,000 Hz
- ✓ D. 20 Hz to 20,000 Hz

Q.3 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All rocks are bangles.

No bangle is ring.

Some rings are chains.

Conclusions:

I. Some bangles are rocks.

II. Some chains are bangles.

Ans
- ✗ A. Both conclusions I and II follow
- ✓ B. Only conclusions I follows
- ✗ C. Neither conclusion I nor II follows
- ✗ D. Only conclusions II follows

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Q.4 The ratio of savings and expenditure of Kiran is 7 : 13 and his monthly income is ₹1,80,000. The savings are divided in the ratio of 4 : 3 between Mutual funds and Equity. What is the amount of money saved in the form of Mutual Funds?

Ans

✔ A. ₹36,000

✘ B. ₹45,000

✘ C. ₹39,000

✘ D. ₹63,000

Q.5 The Badshahi Masjid in Lahore was built by _____.

Ans

✘ A. Sher Shah Suri

✔ B. Aurangzeb

✘ C. Humayun

✘ D. Iltutmish

Q.6 The length of each side of a regular hexagon is $2\sqrt{3}$ cm. What is the area of the given hexagon?

Ans

✘ A. $24\sqrt{3}$ cm^2

✘ B. 54 cm^2

✘ C. 18 cm^2

✔ D. $18\sqrt{3}$ cm^2

Q.7 The value of

$(48 \div 72 \times 3) - [15 \div 8 \times (40 - 32) - 10]$ is:

Ans

✔ A. -3

✘ B. 4

✘ C. 3

✘ D. -4

Q.8 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

PJEB : SQHI :: MCQX : PJTE :: LRCT : ?

Ans

✘ A. QYHA

✘ B. QWHY

✘ C. OWFY

✔ D. OYFA

Q.9 In September 2021, Tamil Nadu government declared which day as 'Mahakavi' Day to commemorate the death anniversary of India's firebrand poet and freedom fighter Subramania Bharathi?

Ans

✘ A. 15th September

✔ B. 11th September

✘ C. 8th September

✘ D. 5th September

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Q.10 With reference to deficiency diseases, rickets is caused by the deficiency of _____.

Ans

✗ A. Vitamin E

✓ B. Vitamin D

✗ C. Vitamin B-12

✗ D. Vitamin C

Q.11 A hemispherical bowl of internal radius 24 cm is full of liquid. This liquid is to be filled in cylindrical bottles, each of internal radius 6 cm and height 8 cm. How many bottles are required to empty the bowl?

Ans

✗ A. 35

✓ B. 32

✗ C. 36

✗ D. 30

Q.12 Which woman scientist received the Padma Shri, 2022, in the field of Science and Engineering?

Ans

✓ A. Dr. Sanghamitra Bandyopadhyay

✗ B. Dr. Madhuri Barthwal

✗ C. Dr. Lata Desai

✗ D. Dr. Najma Akhtar

Q.13 A student walks from his house at 2.5 km/hour and reaches his school 6 minutes after school time. Next day he increases his speed by 1 km/hour and reaches his school 6 minutes before school time. How far is the school from his house?

Ans

✗ A. 2.5 km

✓ B. 1.75 km

✗ C. 2.25 km

✗ D. 2 km

Q.14 The Indian Constitution was the lengthiest Constitution at the time of its adoption which originally had _____ Articles.

Ans

✓ A. 395

✗ B. 448

✗ C. 444

✗ D. 348

Q.15 The Government of India Act, 1919 was passed by the then viceroy of India, on the recommendation of _____.

Ans

✓ A. Edwin Montague

✗ B. Lord Linlithgow

✗ C. Charles I

✗ D. Lord Elgin

Q.16 If $a + b = 15$, and $a^2 + b^2 = 113$, then what is the value of $a^3 + b^3$?

Ans

✗ A. 845

✗ B. 875

✓ C. 855

✗ D. 865

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Q.17 What is the rank of India in the World Happiness Report of 2021?

Ans
- ✗ A. 87
- ✓ B. 139
- ✗ C. 28
- ✗ D. 191

Q.18 A sum of money invested at 10% compound interest per annum amounts to ₹10,164 in 2 years interest compounded annually. What was the sum invested?

Ans
- ✗ A. ₹8,800
- ✓ B. ₹8,400
- ✗ C. ₹8,200
- ✗ D. ₹8,300

Q.19 Which of following biomes is known for its coniferous (cone-bearing evergreen) forests?

Ans
- ✓ A. Boreal forest
- ✗ B. Tropical rain-forest
- ✗ C. Chaparral forest
- ✗ D. Savanna forest

Q.20 If 21st March 2021 was a Sunday, then what will be the day on 12th January 2022?

Ans
- ✗ A. Friday
- ✓ B. Wednesday
- ✗ C. Sunday
- ✗ D. Monday

Q.21 In ammonia, nitrogen and hydrogen are present in the ratio _____ by mass.

Ans
- ✓ A. 14 : 3
- ✗ B. 9 : 6
- ✗ C. 1 : 3
- ✗ D. 11 : 6

Q.22 IANA oversees the allocation of IP address to organisations and individuals. What is the full form of IANA?

Ans
- ✗ A. Internet Associated Number Authority
- ✓ B. Internet Assigned Numbers Authority
- ✗ C. Internet Assigned Nomenclature Authority
- ✗ D. Internet Assigned Number Automation

Q.23 Rakesh travels in a car at 50 km/h for 2 hours, on a bike at 35 km/h for 2 hours, and in a train at 100 km/h for 4 hours. What is the average speed at which Rakesh travelled?

Ans
- ✗ A. 74 km/h
- ✓ B. 71.25 km/h
- ✗ C. 75 km/h
- ✗ D. 72.50 km/h

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Q.24 The Andaman and Nicobar Island group of India is an emergent part of which of the following submerged mountain range?

Ans

✗ A. Himalayas

✓ B. Arakan Yoma

✗ C. Eastern Ghats

✗ D. Kunlun Shan

Q.25 Pointing at a picture, Yuvika said that the boy in the picture is the son of her father's mother's daughter. How is that boy related to Yuvika?

Ans

✗ A. Brother

✗ B. Mother's brother's son

✓ C. Father's sister's son

✗ D. Father' brother

Q.26 If 20 May 2018 was a Sunday, then what was day it on 26 August 2018?

Ans

✗ A. Friday

✓ B. Sunday

✗ C. Thursday

✗ D. Saturday

Q.27 Ravish Kumar starts running facing towards the south. He runs for 20 m, then takes a left turn, and then runs for another 30 m. Again, he takes a left turn and runs 70 m. He then finally turns left and walks 30 m.

What is the current position of Ravish with respect to the starting point? (All turns are 90^{O} turns only)

Ans

✓ A. North, 50 m

✗ B. South, 70 m

✗ C. West, 20 m

✗ D. East, 30 m

Q.28 Team India scored runs in the first 30 overs in an ODI match at an average of 5.6 runs per over. What is the required runs per over in the remaining 20 overs at which the team has to score to meet a total target of 320?

Ans

✗ A. 4.6 runs per over

✓ B. 7.6 runs per over

✗ C. 6.4 runs per over

✗ D. 8.9 runs per over

Q.29 In a seven-storeyed building, having floors numbered from 1 to 7, A, B, C, D, E, and F each live on a different floor. The ground floor is numbered floor number 1, the floor above it is floor number 2 and so on. One of the floors in the building is vacant. B lives on the floor no.6. No floor below the floor no. 3 is vacant; and no odd numbered floor is vacant. Only B lives between the floors of A and F. Only one person lives between E and D. Only two people live between C and F. C lives on one of the floors below F. More than one person lives between D and B. Which of the following floor numbers is vacant?

Ans

✗ A. 7

✓ B. 4

✗ C. 6

✗ D. 5

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Q.30 Find the compound interest on ₹2000 at 10% p.a. for 2 years, compounded annually.

Ans

✗ A. ₹200

✗ B. ₹400

✗ C. ₹520

✓ D. ₹420

Q.31 If $a = \frac{17}{99}$, $b = \frac{13}{47}$ and $c = \frac{34}{33}$, then what is the value of $(ab) \div c = ?$

Ans

✗ A. $\frac{17}{264}$

✗ B. $\frac{19}{289}$

✗ C. $\frac{21}{354}$

✓ D. $\frac{13}{282}$

Q.32 When 4230, 5986 and 9059 are divided by the greatest number m, the remainder in each case is n. What is the value of (m – n)?

Ans

✗ A. 163

✗ B. 159

✗ C. 153

✓ D. 160

Q.33 Which among of the following languages, is not a part of Eighth Schedule of Indian Constitution? (As of March 2022)

Ans

✗ A. Bodo

✓ B. Rajasthani

✗ C. Punjabi

✗ D. Tamil

Q.34 If a product of 0.225, 0.36 and a number N is 243, then what is the value of number N?

Ans

✗ A. 3300

✗ B. 3600

✗ C. 2400

✓ D. 3000

Q.35 Rechungma, Gha To Kito and Chi Rmu are the dance forms of _____.

Ans

✓ A. Sikkim

✗ B. Manipur

✗ C. Andaman and Nicobar Islands

✗ D. Goa

Q.36 Which of the following states was the largest producer of iron ore in the country in the year 2019-20 as per the Indian Minerals Yearbook 2020?

Ans

✗ A. Karnataka

✗ B. Chhattisgarh

✓ C. Odisha

✗ D. Jharkhand

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Q.37 Maasai people are the natives of which of the following continents?

Ans

✗ A. Europe

✗ B. Australia

✗ C. South America

✓ D. Africa

Q.38 Which of the following branches of language does NOT belong to the Indo-European family of languages?

Ans

✗ A. Celtic

✗ B. Italic

✗ C. Germanic

✓ D. Finno-Ugric

Q.39 Let x be the least number lying between 8000 and 8500, which when divided by $12, 14, 16, 35$ and 84, the remainders are $4, 6, 8, 27$ and 76, respectively. The tens digit in x is:

Ans

✓ A. 9

✗ B. 7

✗ C. 8

✗ D. 5

Q.40 Travelling at $\frac{3}{5}$ of her usual speed, Simran covered a distance of 42 km in 35 minutes. What distance (in km) will Simran cover in 27 minutes if she travels at her usual speed?

Ans

✓ A. 54

✗ B. 48

✗ C. 60

✗ D. 64

Q.41 Read the given information carefully and answer the question the follows.

Ganesh, Raju, Rohit, Isha, Janak, Preeti, Chandan and Madhur are eight employees who are sitting for a discussion around a circular table, facing its centre. Their professions are Pilot, Doctor, Publisher, Engineer, General Manager, Union Leader, Researcher and Dean, but not necessarily in the same order. Raju is sitting second to the left of Preeti. The Dean is to the immediate left of Preeti. Only three people are there between the Dean and Ganesh. There is only one person sitting between the Engineer and Ganesh. The Publisher is sitting to the immediate right of the Engineer. Madhur is sitting second to the right of Preeti. Isha is the Dean. Rohit and Janak are immediate neighbours of each other. Neither Rohit nor Janak is the Engineer. The General Manager is sitting to the immediate left of Raju. The Union Leader is sitting second to the right of the Publisher. The Researcher is an immediate neighbour of the Engineer. Rohit is sitting second to the right of the Pilot.

What is the position of Chandan with respect to the Dean?

Ans

✗ A. Second to the left

✓ B. Second to the right

✗ C. Third to the left

✗ D. Third to the right

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Q.42 Two statements are given, labelled I and II. These statements may be either independent causes or may be effects of independent causes or a common cause. One of these statements may be the effect of the other statement. Read both the statements and decide which of the following options correctly depicts the relationship between these two statements.

Statements:

I. Students called off their protest they held against insufficient employment opportunities.

II. Students went on protest anticipating inability of government to provide employment.

Ans

✗ A. Statement II is the cause and statement I is its effect.

✗ B. Statement I is the cause and statement II is its effect.

✗ C. Both the statements, I and II, are independent causes.

✓ D. Both the statements, I and II, are effects of independent causes.

Q.43 'Viklang Shraddha ka Daur' is the work of which noted writer?

Ans

✗ A. Khushwant Singh

✓ B. Hari Shankar Parsai

✗ C. Atal Bihari Vajpayee

✗ D. R.K. Narayan

Q.44 Which of the following numbers is divisible by 11?

Ans

✓ A. 1210121

✗ B. 1201121

✗ C. 1210211

✗ D. 1120121

Q.45 In a certain code language, 'MANGO' is written as 'NCQKT', 'APPLE' is written as 'BRSPJ', how will 'PEARS' be written in that language?

Ans

✓ A. QGDVX

✗ B. QGDVW

✗ C. QDDVY

✗ D. QGDUW

Q.46 Which Five Year Plan of India was chalked out for the period spanning 1974 to 1979 with the objective of increasing the employment level, reducing poverty, and attaining self-reliance?

Ans

✗ A. First Five-Year Plan

✗ B. Second Five-Year Plan

✗ C. Third Five-Year Plan

✓ D. Fifth Five-Year Plan

Q.47 20 people can do a piece of work in 12.5 days. After 8 days, 8 workers left. In how many days will the remaining work be completed?

Ans

✓ A. 7.5

✗ B. 6

✗ C. 9

✗ D. 8

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Q.48 With reference to the distribution of Asokan inscriptions, which among the following sites is in the modern state of Gujarat?

Ans

✗ A. Kalsi

✓ B. Girnar

✗ C. Shishupalgarh

✗ D. Sannati

Q.49 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

a) Some scarfs are shawls.

b) Some shawls are mufflers.

Conclusions:

I. Some scarfs are mufflers.

II. Some mufflers are shawls.

Ans

✗ A. Both conclusions I and II follow.

✗ B. Only conclusion I follows.

✓ C. Only conclusion II follows.

✗ D. Neither conclusion I nor II follows.

Q.50 All of the following plants have fibrous roots EXCEPT _____.

Ans

✓ A. Beetroot

✗ B. Maize

✗ C. Rice

✗ D. Wheat

Q.51 $\frac{5}{6} \times \frac{3}{7} + y = \frac{29}{63}$. What is the value of $(10y - 1)$?

Ans

✗ A. $\frac{5}{42}$

✗ B. $-\frac{3}{63}$

✗ C. $\frac{13}{126}$

✓ D. $\frac{2}{63}$

Q.52 Who among the following was Governor of both Andhra Pradesh and Telangana in June 2019?

Ans

✗ A. ND Tiwari

✗ B. Biswabhusan Harichandan

✗ C. Chandulal Madhavlal Trivedi

✓ D. ESL Narasimhan

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Q.53 India won the U19 Asia Cup Cricket, 2021, by defeating _____.

Ans

✗ A. Pakistan

✗ B. Afghanistan

✗ C. Bangladesh

✓ D. Sri Lanka

Q.54 If + means addition, × means subtraction, + means multiplication and – means division, then 30 – 10 + 4 × 6 ÷ 4 = ?

Ans

✓ A. 10

✗ B. 13

✗ C. 11

✗ D. 12

Q.55 If Radha is sitting to the south of Krishna and Rahul is sitting to the east of Krishna, in which direction is Radha sitting with respect to Rahul?

Ans

✗ A. North-West

✓ B. South-West

✗ C. South-East

✗ D. North-East

Q.56 Six horses numbered as A, B, C, D, E and F are participating in a horse race. On the race track horse C is standing between horse A and horse E as its immediate neighbours. Horse D is not standing at any of the extreme ends. Horse B is standing to the immediate right of horse E. Horse F is not standing at the extreme right end. Horse D is standing at fourth to the left of horse B.

If all the horses are facing towards north, which horse is standing at the extreme left end?

Ans

✗ A. B

✓ B. F

✗ C. A

✗ D. C

Q.57 Which Article of the Indian Constitution is related with powers, authority and responsibilities of Panchayats?

Ans

✓ A. 243G

✗ B. 243F

✗ C. 243E

✗ D. 243H

Q.58 From a point Q, the length of the tangent to a circle is 21cm and the distance of Q from the centre 'O' of the circle is 29cm. Find the radius of the circle.

Ans

✗ A. 50cm

✓ B. 20cm

✗ C. 8cm

✗ D. 30cm

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Q.59 Rajesh needs to buy some cardboard to build a box that is 12 inches long, 8 inches wide, and 10 inches high. How much cardboard is needed to build the box?

Ans

✔ A. 592 sq inches

✘ B. 400 sq inches

✘ C. 350 sq inches

✘ D. 960 sq inches

Q.60 Maski, an archaeological site in _____ district, of Karnataka came into prominence with the discovery of a minor rock edict of Emperor Ashoka by C. Beadon in 1915.

Ans

✘ A. Udupi

✘ B. Yadgir

✘ C. Hassan

✔ D. Raichur

Q.61 In a class Anu ranked 15^{th} from the bottom and 14^{th} from the top. How many students are there in the class?

Ans

✘ A. 27

✘ B. 29

✘ C. 30

✔ D. 28

Q.62 A sum of ₹14,500 was invested at 9% per annum simple interest for few years. The interest accrued during this period was ₹7,830. What was the period of investment?

Ans

✔ A. 6 years

✘ B. 4 years

✘ C. 7 years

✘ D. 5 years

Q.63 Which is the largest inland saltwater lake in India?

Ans

✘ A. Lonar Lake

✔ B. Sambhar Lake

✘ C. Pushkar Lake

✘ D. Devtal Lake

Q.64 In which of the following continents does the Union Pacific Railroad operate?

Ans

✘ A. Australia

✔ B. North America

✘ C. Asia

✘ D. South America

Q.65 The central board of the Reserve Bank of India can have a maximum of _____ full time Deputy Governors at any given time.

Ans

✘ A. 3

✔ B. 4

✘ C. 2

✘ D. 5

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Q.66 Rohtang pass is located in which of the following states?

Ans

✗ A. Sikkim

✗ B. Arunachal Pradesh

✓ C. Himachal Pradesh

✗ D. Uttarakhand

Q.67 In a stock of two products A and B initially 80% of the total stock was product A. If 20 kg of product A and 8 kg of product B were taken out from the stock, then the ratio of the product A to product B in the stock changed to 9 : 2. What was the total stock (in kg) in the beginning?

Ans

✗ A. 150 kg

✗ B. 165 kg

✗ C. 220 kg

✓ D. 160 kg

Q.68 Which of the following is the correct definition of liberalisation?

Ans

✗ A.
It is a policy that focuses on the boosting of government laws and restrictions in order to encourage greater participation by public entities.

✗ B. It is a situation where there is a single seller in the market.

✓ C.
It is a process of removing controls systems in order to encourage economic development.

✗ D.
It is the process by which an economy is transformed from an agricultural one to the manufacturing of goods.

Q.69 The average score in Mathematics of a class of 36 students is 60. If the top two scores are excluded, the average goes down by 2. If the second highest score of the class is 90, find the highest score of the class.

Ans

✓ A. 98

✗ B. 99

✗ C. 95

✗ D. 96

Q.70 Bon-geet (forest/nature song), is primarily a form of folk song of _____

Ans

✗ A. Meghalaya

✗ B. Himachal Pradesh

✗ C. Manipur

✓ D. Assam

Q.71 Pipes A and B can fill a tank in 30 hours and 45 hours, respectively while pipe C alone can empty the full tank in 20 hours. When the tank is full, C alone is opened for 8 hours and then closed and pipes A and B are opened together at the same time. Now, how much time will pipes A and B together take to fill the tank completely?

Ans

✗ A. 7.5 hours

✗ B. 8 hours

✗ C. 7.8 hours

✓ D. 7.2 hours

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Q.72 The total surface area of a solid right circular cylinder of height 9 cm is 704 cm^2. Its volume is 11k cm^3. Find the value of k. $\left(\text{Use } \pi = \frac{22}{7}\right)$

Ans

✗ A. 122

✓ B. 126

✗ C. 125

✗ D. 121

Q.73 In the series 11, 19, 27, 35, 43, ... which of the following will NOT be a number of the series?

Ans

✗ A. 307

✓ B. 434

✗ C. 107

✗ D. 195

Q.74 Kiran has 24 white beads and Resham has 18 black beads. They want to arrange the beads in such a way that each row contains equal number of beads and each row must contain either only black beads or only white beads. What is the greatest number of beads that can be arranged in a row?

Ans

✗ A. 3

✗ B. 8

✓ C. 6

✗ D. 12

Q.75 Read the given statement and conclusions carefully. Decide which of the given conclusions is/are true based on the given statement.

Statement:

$Z > H \geq Y > R < D \geq F > X$

Conclusions:

I. $Z \geq X$

II. $F > H$

Ans

✓ A. Neither conclusion I nor II is true

✗ B. Only conclusion II is true

✗ C. Both conclusions I and II are true

✗ D. Only conclusion I is true

Q.76 Select the number from among the given options that can replace the question mark (?) in the following series.

100, 93, 103, 96, 106, 99, ?

Ans

✗ A. 127

✗ B. 123

✗ C. 132

✓ D. 109

Q.77 Which urban renewal project of India won the UNESCO Asia-Pacific Awards for Cultural Heritage Conservation in December 2021?

Ans

✗ A. Jaisalmer Fort Project

✗ B. Sundar Nursery Project

✓ C. Nizamuddin Basti Project

✗ D. Qutub Shahi tombs Project

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Q.78 What is the address of the cell in the seventh column of the sixth row in an MS-Excel worksheet?

Ans

✗ A. F6

✗ B. F7

✗ C. G7

✓ D. G6

Q.79 Which country successfully test fired Zircon hypersonic cruise missile in November 2021?

Ans

✓ A. Russia

✗ B. China

✗ C. Germany

✗ D. France

Q.80 People of Punjab and Haryana celebrate Baisakhi festival or Vaisakhi by thanking God for good_____

Ans

✗ A. life

✗ B. health

✗ C. climate

✓ D. harvest

Q.81 In August 2021, Neeraj Chopra won the gold medal at Tokyo Olympics in the _____ event.

Ans

✓ A. Javelin throw

✗ B. Shooting

✗ C. Fencing

✗ D. Badminton

Q.82 Four people Shweta, Ranu, Ekagra and Tanmay are seated at the four corners of a square table. Two of them are facing the centre while two are facing in the direction opposite to the centre. Ranu is seated to the immediate right of both Tanmay and Shweta. Shweta is sitting to the immediate right of Ekagra. Tanmay is seated to immediate left of Ekagra. Ekagra is not facing the centre.

Who among the four is not facing the centre?

Ans

✓ A. Shweta and Ekagra

✗ B. Shweta and Ranu

✗ C. Ekagra and Tanmay

✗ D. Ekagra and Ranu

Q.83 How many such pairs of letters are there in the word COMFORTS (in both the forward and backward directions) which have as many letters between them in the word as there are in the English alphabetical order?

Ans

✗ A. 1

✗ B. 2

✓ C. 4

✗ D. 6

Q.84 In a certain code language, 'BLISS' is coded as 'MAITR' and 'JAPAN' is coded as 'BIPOZ'. How will 'GLOBE' be coded in that language?

Ans

✗ A. MFOEA

✗ B. MFACD

✗ C. MFOCD

✓ D. MFOFA

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Q.85 In which month did the Essential Defence Services Bill, 2021 receive the assent of the President?

Ans

✗ A. January 2022

✓ B. August 2021

✗ C. September 2021

✗ D. December 2021

Q.86 There are five friends, Leo, Casey, Pamela, Alisha and Andrew. Each one likes a different fruit: Apple, Mango, Strawberry, Pear and Apricot, not necessarily in the same order. Also, each of them have different professions: dancer, actor, singer, doctor and professor, not necessarily in the same order.

The one who likes Pear is a professor. The one who likes Mango is a singer or a doctor. Leo likes Apple but is neither a dancer nor a doctor. Casey is a singer. Andrew likes Pear. The one who is a singer likes Apricot. Alisha likes Strawberry.

Who is the doctor by profession?

Ans

✗ A. Alisha

✗ B. Casey

✓ C. Pamela

✗ D. Andrew

Q.87 The Total Revenue Curve of a firm shows the relationship between the _____ made by the firm and the output level of the firm.

Ans

✗ A. quarterly revenue

✗ B. investment

✓ C. total revenue

✗ D. semi-annual revenue

Q.88 A student has exactly eight books A, B, C, D, E, F, G and H, from which he must choose exactly five to be put in a bag. Any combination is acceptable, provided it meets the following conditions:

* If A is chosen, F cannot be chosen.

* If B is chosen, E must also be chosen.

* If D is chosen, G must also be chosen.

Choose from the given options below, the combination of books which satisfies given three conditions.

Ans

✓ A. B, D, E, F, G

✗ B. A, B, C, D, G

✗ C. B, C, D, F, G

✗ D. A, B, D, E, F

Q.89 Out of 60 students in a group, the ratio of the number of boys to that of girls is 2:1. If the average weight of boys is 50 kg and that of girls is 44 kg, then what is the average weight (in kg) of all the students in the group?

Ans

✗ A. 48.25

✗ B. 49

✓ C. 48

✗ D. 47.5

Q.90 By selling an item for ₹4,125, A gains 10%. At what price (in ₹) should he sell the item in order to gain 18%?

Ans

✓ A. 4,425

✗ B. 4,510

✗ C. 4,400

✗ D. 4,450

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Q.91 Five friends Amit, Bablu, Chirag, Deepak and Eklavya, each having different occupations Advocate, Boxer, Coach, Doctor and Engineer, are sitting around a circular table facing the centre.

1. Bablu is a Boxer and Deepak is a Doctor.
2. Amit sits second to the right of Chirag, who is a Coach.
3. The Boxer will never sit immediately next to the Coach.
4. The Doctor and Boxer are immediate neighbours of each other.

Who sits to the immediate right of Chirag?

Ans

✗ A. Bablu
✗ B. Deepak
✗ C. Amit
✓ D. Eklavya

Q.92 Onges is a tribal group living in which of the following union territories?

Ans

✗ A. Puducherry
✗ B. Delhi
✓ C. Andaman and Nicobar
✗ D. Lakshadweep

Q.93 Which Mauryan emperor led a military campaign to conquer Kalinga, around 260 BCE?

Ans

✗ A. Bindusara
✗ B. Brihadratha
✓ C. Ashoka
✗ D. Chandragupta Maurya

Q.94 In 1889, _____established the Mukti Mission, a refuge for young widows who had been deserted and abused by their families.

Ans

✗ A. Rakhmabai Save
✗ B. Anandibai Joshi
✓ C. Pandita Ramabai
✗ D. Ramabai Ranade

Q.95 Two children A and B have some toffees. If A has 8 toffees, and B has one toffee more than 50% of the total toffees with them, then how many toffees does B have?

Ans

✓ A. 10
✗ B. 9
✗ C. 12
✗ D. 8

Q.96 Which of the following numbers is divisible completely by both 9 and 11?

Ans

✗ A. 12345
✗ B. 277218
✓ C. 10098
✗ D. 181998

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Q.97 Select the number from among the given options that can replace the question mark (?) and continue the given series.

113, 115, 119, 125, 133, ?

Ans

✗ A. 152

✓ B. 143

✗ C. 147

✗ D. 141

Q.98 Which of the following states has the largest Balance Recoverable Reserves (Onshore) of Crude oil as of 01.04.2019, as per the Indian Petroleum and Natural Gas Statistics, 2018-19?

Ans

✗ A. Tamil Nadu

✗ B. Gujarat

✓ C. Assam

✗ D. Maharashtra

Q.99 If the roots of the equation $2x^2 - 3x + a = 0$ are in the ratio $1 : 2$, then find the value of a.

Ans

✗ A. -2

✗ B. 2

✗ C. -1

✓ D. 1

Q.100 When $\alpha = 30^0$, what is the value of $\sin\alpha \cos\alpha$?

Ans

✗ A. $\frac{\sqrt{3}}{3}$

✗ B. $\frac{\sqrt{3}}{2}$

✓ C. $\frac{\sqrt{3}}{4}$

✗ D. $\frac{3}{4}$

Q.101 In ΔABC, $DE \| BC$, intersecting AB at D and AC at E. AD : BD :: 2 : 3 and the area of trapezium BDEC is 63 cm^2. What is the area of ΔADE?

Ans

✓ A. 12 cm^2

✗ B. 28 cm^2

✗ C. 14 cm^2

✗ D. 42 cm^2

Q.102 In a certain code language, BUT is written as DWV and LOW is written as NQY. How will CUP be written in that language?

Ans

✓ A. EWR

✗ B. RWE

✗ C. PUC

✗ D. UCP

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Q.103 Who amongst the following has the Constitutional authority to conduct the audit of the financial transactions of the union and state governments and union territories?

Ans

✗ A. The Finance Commission

✗ B. The Attorney General of India

✗ C. The State Public Service Commission

✓ D. The Comptroller and Auditor General

Q.104 The 16th G-20 Summit was held in _____.

Ans

✓ A. Rome

✗ B. Osaka

✗ C. Paris

✗ D. Chicago

Q.105 As per the Article 7 of the Constitution of India, any person who has after the _____ migrated from the territory of India to the territory now included in Pakistan shall not be deemed to be a citizen of India.

Ans

✗ A. 18^{th} of August 1947

✗ B. 19^{th} of July 1947

✗ C. 1^{st} of April 1947

✓ D. 1^{st} of March 1947

Q.106 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

WJOF : ZORK :: CPNY : FUQD :: XRLD : ?

Ans

✓ A. AWOI

✗ B. CWQI

✗ C. AUOG

✗ D. CUQG

Q.107 According to the Global Wind Energy Council, what is India's worldwide rank in terms of installed wind energy capacity as of the year 2020?

Ans

✗ A. Third

✓ B. Fourth

✗ C. First

✗ D. Second

Q.108 Which of the following options will be the most approximate value that will come in place of question mark (?) in the following equation?

$259.99 \div 24.99 \times 35.01 - 29.98 \times 9.96 = ?$

Ans

✗ A. 75

✗ B. 80

✓ C. 64

✗ D. 95

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Q.109 If 27.5% of a number is 11, then the number is:

Ans

✗ A. 48

✗ B. 36

✗ C. 44

✓ D. 40

Q.110 In association with whom did the Science and Engineering Research Board (SERB) launch the 'Fund for Industrial Research Engagement (FIRE)' in June 2021?

Ans

✗ A. Cisco

✓ B. Intel India

✗ C. Microsoft

✗ D. Infosys

Q.111 Reading the given cluster from left to right, how many consonants are there that are immediately followed by a vowel?

(Left) ATGH@7DOGKI7#PE41D&GOH4@3IKMBUCD (Right)

Ans

✗ A. 4

✓ B. 5

✗ C. 3

✗ D. 6

Q.112 Which of the following is NOT one of the objectives of Liberalisation?

Ans

✗ A. To develop a global market of a country

✗ B. To promote foreign trade and regulate imports and exports

✗ C. To boost competition between domestic businesses

✓ D. To mitigate effects of the technology and foreign capital

Q.113 P and Q like to drink coffee and tea. R and S like coffee and energy drink. Q and S like tea and cold drink. R, S and T like energy drink and ice-tea.

Who among the following likes only three drinks, viz., coffee, tea, and cold drink?

Ans

✗ A. R

✗ B. T

✓ C. Q

✗ D. P

Q.114 According to the Indian Constitution, every Panchayat, unless sooner dissolved under any law for the time being in force, shall continue for _____ years from the date appointed for its first meeting and no longer.

Ans

✗ A. 4

✗ B. 6

✗ C. 7

✓ D. 5

Q.115 Six colleagues work together in an office. Ted is younger than Ann. Elle is older than Ricky. Stuart is older than Ted. Ted is of the same age as Elle. Ricky is not younger than Veronica. Stuart is younger than Ann. Which of the following options is NOT correct according to the above information?

Ans

✗ A. Stuart is older than Elle.

✓ B. Ricky is older than Ted.

✗ C. Veronica is younger than Ted.

✗ D. Elle is not older than Ann.

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Q.116 Which multiplier theory states that the economy will flourish the more the government spends?

Ans

✗ A. Investment Multiplier

✓ B. Keynesian Multiplier

✗ C. Fiscal Multiplier

✗ D. Earning Multiplier

Q.117 Select the number from among the given options that can replace the question mark (?) in the following series.

16, 29, 46, 65, 88, ?

Ans

✗ A. 101

✗ B. 123

✓ C. 117

✗ D. 119

Q.118 A question is given, followed by two statements labelled I and II. Identify which of the statements is/are sufficient to answer the question.

Question: Who is older Rahul or Vishal?

Statements:

I. Rahul was born in the year 1987 and is 5 years younger than Vishal's sister.

II. Vishal is twice as old as his sister.

Ans

✗ A. Statement I alone is sufficient to answer the Question

✗ B. Both the statements together is not sufficient to answer the Question

✗ C. Statement II alone is sufficient to answer the Question

✓ D. Both the statements together is needed to answer the Question

Q.119 The length and the breadth of a rectangular park are in the ratio 7 : 3. The perimeter of the park is 21000 m. What is the difference between the length and the breadth of the park?

Ans

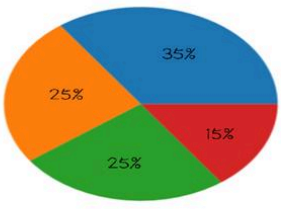
✗ A. 3150 m

✗ B. 3400 m

✓ C. 4200 m

✗ D. 3675 m

Q.120 The following pie chart shows the expenditure distribution of a college festival. The blue part represents production expenditure, the green part represents lights and music system expenses, the red part represents advertisement expenses and the orange part represents food expenses. Study the pie chart and answer the following question.



Approximately, how much is spent on food and advertisement together if the total expenditure was ₹63,070?

Ans

✗ A. ₹20000

✗ B. ₹35000

✗ C. ₹30000

✓ D. ₹25,000

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रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS

सी ई एन ०१/२०१९ - एन टी पी सी - CEN 01/2019 - NTPC

Test Date	17/06/2022
Test Time	4:30 PM - 6:00 PM
Subject	NTPC

*** Note**
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.

1. Options shown in green color with a tick icon are correct.

Section : **NTPC**

Q.1 A can do a certain work in 15 days and B can do one-third of the same work in 10 days. A and B work together for 6 days and then A leaves. B completes the remaining work with C in 8 days. A and C together can complete the original work in:

Ans
- ✔ A. 12 days
- ✘ B. 9 days
- ✘ C. 18 days
- ✘ D. 15 days

Q.2 Which of these writs is issued to restrain a person from acting in a public office to which he/she is NOT entitled?

Ans
- ✘ A. Prohibition
- ✔ B. Quo Warranto
- ✘ C. Habeas Corpus
- ✘ D. Certiorari

Q.3 Study the given letter, number, symbol series and answer the question that follows.

(Left) @ 5 7 R M # 2 Q Ω 3 Z A 4 @ W ! R # 5 N % A ! T & 4 A (Right)

How many such letters are there which are immediately followed by a symbol and also immediately preceded by a number?

Ans
- ✘ A. 4
- ✘ B. 1
- ✘ C. 3
- ✔ D. 2

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Q.4 The value of $5 - 10 \div 5 \times 2 - [12 \div 6 \text{ of } \{5 \times 6 \div (6 - 9) + 13\} \times (8 \div 4 \text{ of } 3)]$ is

Ans

✔ A. $\frac{5}{9}$

✘ B. $\frac{5}{6}$

✘ C. $\frac{2}{3}$

✘ D. $\frac{4}{9}$

Q.5 What is the definition of a fiscal deficit?

Ans

✘ A. Increase in expected inflation and expected appreciation of the currency

✘ B. Decrease in expected inflation and expected appreciation of the currency

✘ C. The rise in inflation within the Indian economy

✔ D. Excess of the total expenditure over the total receipts excluding borrowings

Q.6 By selling an item for ₹222, a person incurs a loss of ₹48. What is the percentage of loss incurred in the transaction?

Ans

✘ A. $18\frac{8}{9}\%$

✔ B. $17\frac{7}{9}\%$

✘ C. $16\frac{7}{18}\%$

✘ D. $21\frac{23}{37}\%$

Q.7 Which traditional dye-painted figurative and patterned cloth received a Geographical Indication (GI) tag, in 2021?

Ans

✘ A. Mithila painting

✘ B. Thangka painting

✘ C. Pattachitra painting

✔ D. Karuppur Kalamkari painting

Q.8 The income of A is 25% less than the income of B whose income is 40% more than that of C. The income of C is 20% less than that of D. By what percent is the income of A more than the income of C?

Ans

✘ A. 4%

✘ B. 10%

✘ C. 8%

✔ D. 5%

Q.9 In certain code language,

'You are bad' is written as 'YO LO PO', 'Schools are bad' is written as 'NO PO YO', and 'You are human' is written as 'LO PO RO'.

How will 'Human are bad' be written in that language?

Ans

✔ A. RO YO PO

✘ B. RO NO PO

✘ C. RO PO LO

✘ D. RO YO NO

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Q.10 Which one of the following is NOT a basic principle of Micro Finance Institutions in India?

Ans

✗ A. Lack of physical collateral

✗ B. Peer monitoring

✓ C. Large amounts of loan

✗ D. Focus on women borrowers

Q.11 Anmol can complete a piece of work in 25 days. Together with Garima he can complete the same work in 15 days, while Anmol and Aseema working together can complete the same work in 20 days. In how many days can Garima and Aseema working together complete the same work?

Ans

✓ A. $\frac{300}{11}$

✗ B. 30

✗ C. $\frac{250}{9}$

✗ D. 29

Q.12 In a certain code language, BUTTER is written as 2212020518, MINED is written as 1391454. How will OIL be written in that language?

Ans

✗ A. 18632

✓ B. 15912

✗ C. 17456

✗ D. 12345

Q.13 Lokesh runs 4 km facing east, takes a left turn and runs for another 3 km. He finally takes a left turn, runs 4 km and stops. Which direction is he facing now and what is the shortest distance he has to cover to reach back to the starting point? (All turns are 90° turns only)

Ans

✗ A. North, 7 km

✗ B. North, 4 km

✓ C. West, 3 km

✗ D. West, 7 km

Q.14 _____, revered as 'Karnataka Sangita Pitamaha' is one of the most prominent composers.

Ans

✗ A. Dharma Raja

✗ B. Tyagaraja

✗ C. M. D. Ramanathan

✓ D. Purandara Dasa

Q.15 Which of the following states stands at number one in terms of route kilometers at the end of the year 2019-20 as per the Indian Railways Yearbook 2019-20?

Ans

✗ A. Rajasthan

✗ B. Madhya Pradesh

✗ C. Maharashtra

✓ D. Uttar Pradesh

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Q.16 Find the area of a rhombus whose diagonals are 48m and 64m long.

Ans

✗ A. 1736 sq.m

✗ B. 1636 sq.m

✗ C. 1436 sq m.

✓ D. 1536 sq.m

Q.17 Given are the scores of a batsman in the last 10 innings. Find the median score of the batsman in these innings.

65, 180, 81, 6, 63, 27, 122, 8, 165, 50

Ans

✗ A. 65

✓ B. 64

✗ C. 64.5

✗ D. 63

Q.18 The President of India is elected by an Electoral College consisting of:

1. the elected members of both Houses of Parliament i.e., Lok Sabha and Rajya Sabha
2. the elected members of the State Legislative Assemblies.

Ans

✗ A. Only 1

✓ B. Both 1 and 2

✗ C. Only 2

✗ D. Neither 1 nor 2

Q.19 With reference to abundant elements in Earth's Crust, which among the following is the most abundant metal in the earth's crust?

Ans

✗ A. Manganese

✗ B. Titanium

✓ C. Aluminium

✗ D. Barium

Q.20 In 1680, _____son of Shivaji ascended the throne after his success in the war of succession against his brother Rajaram.

Ans

✗ A. Shahu

✗ B. Baji Rao I

✓ C. Sambhaji

✗ D. Balaji

Q.21 Who directed the film Koozhangal, which won the Best Film award in the Asian Film Competition category at the 20th Dhaka International Film Festival held in January 2022?

Ans

✗ A. Sujit Bidari

✗ B. Indranil Roychowdhury

✗ C. Ranjith Sankar

✓ D. PS Vinothraj

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Q.22 Which of the following Constitutional Amendments provided for inclusion of Fundamental Duties in the Constitution of India?

Ans

✗ A. 40^{th} Amendment

✓ B. 42^{nd} Amendment

✗ C. 80^{th} Amendment

✗ D. 86^{th} Amendment

Q.23 What is the address of the cell in the tenth row of the fifth column in an MS-Excel worksheet?

Ans

✗ A. 5J

✓ B. E10

✗ C. 10E

✗ D. J5

Q.24 'P + Q' means 'P is the daughter of Q'

'P × Q' means 'P is the son of Q'

'P − Q' means 'P is the wife of Q'

Which of the following options is correct for the given expression?

'A + B − C × D'

Ans

✓ A. A is the daughter of D's Son

✗ B. B is the son of D

✗ C. B is the daughter of D

✗ D. C is the wife of D

Q.25 The numbers 4,6,10, x, 20,24,32 are arranged in ascending order. Find the value of x if their mean and their median are equal.

Ans

✓ A. 16

✗ B. 20

✗ C. 8

✗ D. 12

Q.26 Which of the following is called the 'powerhouse of the cell'?

Ans

✗ A. White blood cells

✗ B. Plasma membrane

✓ C. Mitochondria

✗ D. Red blood cells

Q.27 If the 5-digit number 505xy is divisible by 11 and 21, then what is the value of $(7x - 5y)$?

Ans

✗ A. 31

✗ B. 30

✗ C. 16

✓ D. 11

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Q.28 IJK is an isosceles triangle in which IJ = IK. The value of ∠IJK is what percentage less than 120°, if ∠JIK = 60°.

Ans

✗ A. 55%

✓ B. 50%

✗ C. 52%

✗ D. 54%

Q.29 The roots of the equation $9(x+9)^2=441$ are:

Ans

✗ A. 2,16

✗ B. -12,-21

✗ C. 12,21

✓ D. -2,-16

Q.30 Which of the following states has the highest Infant Mortality Rate (for 2019) according to Sample Registration System?

Ans

✗ A. Chhattisgarh

✗ B. Bihar

✓ C. Madhya Pradesh

✗ D. Uttar Pradesh

Q.31 Few students are sitting in a row, facing north. Their position depends on the following conditions:

1. B is an immediate neighbour of both G and D.
2. H is third to the left of B. H is second to the right of A.
3. C is an immediate neighbour of both H and G
4. A and F occupy the extreme ends and F is positioned second to the right of B.

How many students are there?

Ans

✗ A. 7

✓ B. 8

✗ C. 6

✗ D. 5

Q.32 Which part of the Indian Constitution is related with the Panchayats?

Ans

✗ A. VIII

✗ B. IXA

✓ C. IX

✗ D. X

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Q.33 1. There are four friends Punit, Kaushal, Rakhi and Jagjeet.

2. Punit and Kaushal play rugby and cricket.

3. Kaushal and Rakhi play rugby and badminton.

4. Punit and Jagjeet play cricket and basketball.

5. Rakhi and Jagjeet play badminton and basketball.

Who among the following plays cricket, basketball, and badminton?

Ans
- ✔ A. Jagjeet
- ✘ B. Punit
- ✘ C. Kaushal
- ✘ D. Rakhi

Q.34 In covering a distance of 60 km, Arjun takes 2 hours more than Rohit. If Arjun doubles his speed, then he would take 1 hour less than Rohit. Arjun's original speed is:

Ans
- ✘ A. 5 km/hr.
- ✔ B. 10 km/hr.
- ✘ C. 25 km/hr.
- ✘ D. 15 km/hr.

Q.35 Which one of the following is NOT a feature of an Open Economy?

Ans
- ✘ A. Freedom to foreign investment
- ✔ B. Restrictions on Large-scale industries
- ✘ C. Delicensing of Industries
- ✘ D. Freedom to import technology

Q.36 If $x : y = 3 : 4, then\ (7x - 4y) : (3x + 2y) = ?$

Ans
- ✔ A. 5 : 17
- ✘ B. 2 : 7
- ✘ C. 1 : 3
- ✘ D. 1 : 4

Q.37 Which of the following is the most gender equal country, according to Global Gender Gap Report 2021?

Ans
- ✘ A. Norway
- ✘ B. Finland
- ✘ C. Sweden
- ✔ D. Iceland

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Q.38 Raman and his sister Shikha study in the same class. Raman's rank in an examination is 11th from the bottom and Shikha's rank in the same examination is 1st from the top If there are 11 students who ranked between Raman and Shikha, how many students are there in the class?

Ans
- ✗ A. 24
- ✓ B. 23
- ✗ C. 22
- ✗ D. 25

Q.39 S is shorter than N. P is taller than S. Q is taller than N but shorter than H. N is taller than P. Who will be exactly in the middle if they stand in a row according to height?

Ans
- ✗ A. P
- ✓ B. N
- ✗ C. H
- ✗ D. Q

Q.40 Which of the following countries had the highest number of languages spoken in its territory as of March 2021, as per the World Economic Forum?

Ans
- ✗ A. The US
- ✓ B. Papua New Guinea
- ✗ C. Norway
- ✗ D. India

Q.41 Select the letter-cluster from among the given options that can replace the question mark (?) and continue the given series.

KWX, NSA, QOD, TKG, WGJ, ?

Ans
- ✓ A. ZCM
- ✗ B. CAN
- ✗ C. ZDM
- ✗ D. AND

Q.42 Six colleagues, Ranjana, Diksha, Chahat, Aakash, Rita and Suraj, are sitting on a bench in a park facing north. Rita is sitting at the east end of the bench. Ranjana and Chahat were sitting immediately next to each other. There are only two people sitting between Aakash and Suraj. Diksha has only one person to her right. Aakash is sitting at the west end of the bench. There are three people between Rita and Ranjana. Who is third from the west end of the bench?

Ans
- ✓ A. Chahat
- ✗ B. Ranjana
- ✗ C. Diksha
- ✗ D. Suraj

Q.43 The Supersonic Missile Assisted Torpedo System developed by DRDO was successfully launched in December 2021 at which place?

Ans
- ✗ A. Maharashtra
- ✗ B. Andhra Pradesh
- ✓ C. Odisha
- ✗ D. West Bengal

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Q.44 A group of 8 students, J, K, L, M, N, O, P and Q are sitting in two parallel rows facing each other. Each row has four students. Q and N are facing each other. Q is an immediate neighbor of both P and O. K is sitting to the immediate left of O. K and J are diagonally opposite. M and N are not immediate neighbours of each other. Who is in front of L?

Ans

✗ A. K

✗ B. N

✗ C. Q

✓ D. O

Q.45 Sports Journalists' Federation of India (SJFI) Para-athlete Woman of the Year Award 2021 winner Avani Lekhara plays which sport?

Ans

✗ A. Javelin throw

✓ B. Shooting

✗ C. Badminton

✗ D. Shotput

Q.46 The cost of cultivating a square field at the rate of ₹320 per hectare is ₹2880. Find its area. (Use 1 hectare = 10000 sq.m)

Ans

✗ A. 60000 sq.m

✗ B. 80000 sq.m

✗ C. 70000 sq.m

✓ D. 90000 sq.m

Q.47 According to World Steel Association, which of the following countries was the global leader in steel production for the year 2020?

Ans

✗ A. The US

✗ B. India

✓ C. China

✗ D. Japan

Q.48 In a certain code language, CABLE is coded as 65@7#, and PARKLET is coded as 85917#2. How will ELRAP be coded in that language?

Ans

✗ A. 9#785

✓ B. #7958

✗ C. #9587

✗ D. 7#958

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Q.49 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

a) All tops are t-shirts.

b) Some shrugs are t-shirts.

Conclusions:

I. Some tops are shrugs.

II. All T-shirts are tops.

Ans

✗ A. Only conclusion II follows.

✓ B. Neither conclusion I nor II follows.

✗ C. Only conclusion I follows.

✗ D. Both conclusions I and II follow.

Q.50 Read the given sitting arrangement information and answer the question that follows.

Puneet, Monu, Jyoti, Umesh, Tapsi, Vinod, Pushpa and Saha are sitting at a square table in such a way that four of them are sitting at four corners of the table, while the other four are sitting in the middle of each of four sides of the table. The four who are sitting at the corners of the table are facing the centre, whereas those who are sitting in the middle of the sides of the table are facing outside. Puneet, who is facing the centre, is sitting third to the right of Vinod. Tapsi, who is facing centre, is not an immediate neighbour of Vinod. Only one person is sitting between Vinod and Pushpa. Umesh sits second to the right of Monu. Monu is facing the centre. Jyoti is not an immediate neighbour of Puneet.

Which of the following statements regarding Monu is true?

Ans

✗ A. Monu is an immediate neighbour of Jyoti.

✓ B. Monu is sitting exactly between Vinod and Pushpa.

✗ C. Monu is an immediate neighbour of Saha.

✗ D. Monu is sitting immediately Right of Tapsi.

Q.51 Post abolition of industrial licensing in India in 1991, _____ is one of the few industries for which industrial licensing is compulsory.

Ans

✓ A. liquor

✗ B. leather

✗ C. vegetable and food processing

✗ D. beverage

Q.52 Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to the third term.

Rahul : 12 :: Zenus : 17 :: Vinas : ?

Ans

✗ A. 14

✓ B. 13

✗ C. 11

✗ D. 15

Q.53 Deepika starts her evening walk facing north and walks for 2 km. Then, she takes a right turn and walks for another 2 km. Finally, she takes a left turn and walks for another 3 km. Which direction is she facing now? (All turns are 90° turns only)

Ans

✓ A. North

✗ B. East

✗ C. South

✗ D. West

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Q.54 If 28957.5 ÷ 268.125 = 108, then 289.575 ÷ 2681.25 is equal to:

Ans
- ✗ A. 0.0108
- ✗ B. 10.8
- ✗ C. 1.08
- ✓ D. 0.108

Q.55 Read the given statements and conclusions carefully. Decide which of the given conclusions is/are true based on the given statements

Statements:

$K \leq O = M \geq N$ and $L \geq M$

Conclusions:

I. $L \geq K$,

II. $N < K$

Ans
- ✗ A. Both I and II are not true
- ✗ B. Both I and II are true
- ✓ C. Only I is true
- ✗ D. Only II is true

Q.56 Jat-Jatin is one of the most popular folk dance form of which among the following states?

Ans
- ✗ A. Assam
- ✗ B. Madhya Pradesh
- ✓ C. Bihar
- ✗ D. Chhattisgarh

Q.57 64 students of Class 10 took part in a mathematics quiz. If the number of girls was 16 more than the number of boys, then find the ratio of the number of boys to the total number of students who took part in the quiz.

Ans
- ✗ A. 5 : 8
- ✓ B. 3 : 8
- ✗ C. 3 : 5
- ✗ D. 4 : 9

Q.58 What will be the median of the given data?

1, 1.1, 2.3, 0.1, 0.9, 5, 3.9, 2.5, 4.2, 4.6

Ans
- ✓ A. 2.4
- ✗ B. 2.3
- ✗ C. 2.6
- ✗ D. 2.5

Q.59 A sum of ₹ 14000 amounts to ₹ 18515 in 2 years at a certain rate percent p.a., interest compounded yearly. What will be the compound interest on the same sum, in the same time and at the same rate, if the interest is compounded 8-monthly?

Ans
- ✗ A. ₹ 4494
- ✗ B. ₹ 4620
- ✓ C. ₹ 4634
- ✗ D. ₹ 3234

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Q.60 The Baltoro Glacier is located in which of the following sub-ranges of the Himalayas?

Ans

✗ A. Pir Panjal

✓ B. Karakoram

✗ C. Zanskar

✗ D. Ladakh

Q.61 The perimeter of a square is equal to the perimeter of a rectangle of length 56 cm and breadth 42 cm. Find the perimeter of a semicircle (in cm) whose diameter is equal to the side of the square (Use $\pi = \frac{22}{7}$)

Ans

✗ A. 182

✗ B. 198

✗ C. 224

✓ D. 126

Q.62 Who is the only Indian appointed as a member of Badminton World Federation's (BWF) Athletes Commission till 2025?

Ans

✗ A. Saina Nehwal

✓ B. Pusarla Venkata Sindhu

✗ C. Bhamidipati Sai Praneeth

✗ D. Srikanth Kidambi

Q.63 The greatest number that exactly divides 536, 1064 and 1928 is

Ans

✗ A. 6

✗ B. 4

✗ C. 12

✓ D. 8

Q.64 The Ural industrial region is located in which country?

Ans

✗ A. Britain

✗ B. China

✗ C. USA

✓ D. Russia

Q.65 What is the approximate percentage, by weight, of oxygen in the earth's crust?

Ans

✗ A. 36.6%

✗ B. 19.6%

✓ C. 46.6%

✗ D. 16.6%

Q.66 Who is the author of the book 'Lady Doctors: The Untold Stories of India's First Women in Medicine'?

Ans

✗ A. Anuradha Roy

✗ B. Kunal Basu

✗ C. Jairam Ramesh

✓ D. Kavitha Rao

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Q.67 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follows from the statements.

Statements:

1. All glasses are plates.
2. No plate is a spoon.

Conclusions:

I. Some glasses are spoons.

II. No spoon is a glass.

Ans

✗ A. Either conclusion I or II follows

✓ B. Only conclusion II follows

✗ C. Only conclusion I follows

✗ D. Neither conclusion I nor II follows

Q.68 In a group of students, the number of girls is three-fourth of the number of boys. If two-third of the number of girls and one-half of the number of boys like mango juice, then what fraction of the total number of girls and boys like mango juice?

Ans

✗ A. $\frac{2}{7}$

✓ B. $\frac{4}{7}$

✗ C. $\frac{3}{7}$

✗ D. $\frac{1}{7}$

Q.69 The Second Buddhists Council was convened in Vaishali by _____ ..

Ans

✗ A. Anuruddha

✓ B. Kalashoka

✗ C. Munda

✗ D. Sunidha

Q.70 In which year was the Azad Hind Radio Service as part of Germany's radio service started?

Ans

✗ A. 1938

✗ B. 1939

✗ C. 1940

✓ D. 1942

Q.71 'Midnight's Children' which portrays India's transition from British colonial rule to independence and partition of India is written by :

Ans

✓ A. Salman Rushdie

✗ B. Amitav Ghosh

✗ C. Vikram Seth

✗ D. Vidiadhar Surajprasad Naipaul

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Q.72 X can do a certain work in 84 days. Y is 50% less efficient than X while Z takes 28 days to do the same work. To complete the work, Y started the work, X joined him after 3 days and Z joined them after 7 days from the beginning. For how many days did Z work to complete the work?

Ans
- ✗ A. 14
- ✓ B. 17
- ✗ C. 15
- ✗ D. 16

Q.73 With respect to Industry and Trade, MRTP stands for _____.

Ans
- ✗ A. Monetary and Repository Trade Practices
- ✗ B. Moderate and Restrictive Trade Protocols
- ✗ C. Monopolistic and Reinforcing Trade Protocols
- ✓ D. Monopolies and Restrictive Trade Practices

Q.74 M, N, O, P and R are sitting around a circular table. All are facing towards the centre of the table. M is seated second to the right and N is seated third to the right of O. P is seated second to the left of N. Who is seated between N and O when counted from the left of O?

Ans
- ✗ A. Only P
- ✗ B. P or R
- ✓ C. Only R
- ✗ D. M or R

Q.75 Which of the following tribes is NOT native to the state of Tamil Nadu?

Ans
- ✓ A. Bhutia
- ✗ B. Kurumba
- ✗ C. Malasar
- ✗ D. Kota

Q.76 The Davis Cup 2021 was won by _____.

Ans
- ✗ A. Croatia
- ✗ B. Austria
- ✓ C. Russia
- ✗ D. Uzbekistan

Q.77 Which of the following assumptions of the given statement is valid?

Statement:

They will depart in an hour but I have my lessons now, so I won't be able to say goodbye to them.

Assumptions:

I. The lessons will take more than an hour to complete.

II. The people who are departing are not expecting me to see them off before their departure.

Ans
- ✗ A. Both I and II are valid
- ✗ B. Both I and II are invalid
- ✓ C. Only assumption I is valid
- ✗ D. Only assumption II is valid

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Q.78 The Soniji Ki Nasiyan Temple of Ajmer constructed in the 19th century is dedicated to _____.

Ans

✗ A. Lord Chandraprabha

✗ B. Lord Ajitnath

✓ C. Lord Rishabhdev

✗ D. Lord Mahavira

Q.79 Tetanus is a serious disease of the nervous system caused by a toxin-producing:

Ans

✗ A. protist

✓ B. bacterium

✗ C. fungus

✗ D. parasite

Q.80 Find the least number which when divided by 11,12,13,14 and 15 leaves the remainder 2 in each case.

Ans

✓ A. 60062

✗ B. 60058

✗ C. 60002

✗ D. 60060

Q.81 Ravi has 1530 eggs with him while Vinita has 2380 eggs with her that needs to be placed in cartons. What is the maximum number of eggs that each carton should hold so that both Ravi as well as Vinita find such cartons acceptable to use, leaving no empty space, nor having any egg unpacked?

Ans

✗ A. 255

✗ B. 340

✓ C. 170

✗ D. 85

Q.82 What was the rank of India in the medal tally at the 14th International Olympiad on Astronomy and Astrophysics (IOAA) 2021, organized by Colombia in November 2021?

Ans

✗ A. Fourth

✗ B. Third

✗ C. Second

✓ D. First

Q.83 Which of the following options is the closest approximate value which will come in place of question mark(?) in the following equation?

$5.01 + (3.01 \times 1.99^2) \times 4 + 6.01 \div 2.03 = ?$

Ans

✗ A. 52

✓ B. 56

✗ C. 57

✗ D. 65

Q.84 The volume of a right circular cylinder is $1792\pi\ cm^3$ and its radius is 16 cm. What is the curved surface area (in cm^2) of the cylinder?

Ans

✗ A. 112π

✗ B. 256π

✓ C. 224π

✗ D. 192π

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Q.85 Kuroshio current flows in which of the following oceans?

Ans
- ✗ A. Indian Ocean
- ✗ B. Southern Ocean
- ✓ C. Pacific Ocean
- ✗ D. Atlantic Ocean

Q.86 A building has seven floors numbered one to seven in such a manner that the ground floor is numbered one, the floor above it is numbered two, and so on, such that the topmost floor is numbered seven. One of the seven persons, namely T, U, V, W, X, Y, and Z, lives on each floor, but not necessarily in the same order.

There are only two people living between the floors of X and Z. No person lives above U's floor. T lives in one of the odd floors. The number of people living above and below Y is equal. W does not live above anyone other than V. X lives in one of the floors above Z.

Who lives on the 5^{th} floor?

Ans
- ✗ A. Z
- ✓ B. T
- ✗ C. Y
- ✗ D. X

Q.87 Select the option that will fill in the blank and complete the given series.

ABCD, _____, XYZA, XXXX, UVWX, UUUU

Ans
- ✓ A. AAAA
- ✗ B. DCBA
- ✗ C. DDDD
- ✗ D. BCBA

Q.88 Avik runs at a speed of 8 metres per second. How many kilometres will Avik cover in 24 minutes if he continues running at the same speed?

Ans
- ✗ A. 11.44
- ✓ B. 11.52
- ✗ C. 11.60
- ✗ D. 11.56

Q.89 Sachin and Sehwag together have ₹ 950. On taking ₹ 250 from Sehwag, Sachin will have the same amount as what Sehwag had earlier. Find the ratio of the amounts that were with Sehwag and Sachin initially.

Ans
- ✓ A. 12 : 7
- ✗ B. 7 : 5
- ✗ C. 9 : 7
- ✗ D. 13 : 9

Q.90 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different.

Ans
- ✓ A. KNF
- ✗ B. JMF
- ✗ C. PSL
- ✗ D. UXQ

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Q.91 A question is given, followed by two statements labelled I and II. Decide which of the statements is/are sufficient/necessary to answer the question and select the correct answer.

Question:

Who is the shortest among Shamita, Tanya and Rekha?

Statements:

I. Shamita is taller than Rekha. Rekhais shorter than Tanya.

II. Rekha is shorter than Surbhi. Surbhi is taller than Shamita. Tanya is shorter than Surbhi.

(A) Statement I alone is sufficient to answer the question, whereas Statement II alone is not sufficient to answer the question.

(B) Statement II alone is sufficient to answer the question, whereas statement I alone is not sufficient to answer the question.

(C) Both statements I and II together are not sufficient to answer the question.

(D) Both statements I and II together are necessary to answer the question.

Ans

✗ A. D

✗ B. C

✓ C. A

✗ D. B

Q.92 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

EYXJ : IGBR :: CRFQ: GZJY :: ZIQM : ?

Ans

✗ A. EQVU

✗ B. DNUR

✓ C. DQUU

✗ D. ENVR

Q.93 _____ has become the first country in the world to accept Bitcoin as legal tender.

Ans

✗ A. Uzbekistan

✗ B. Jamaica

✓ C. El Salvador

✗ D. Albania

Q.94 A solid right-circular cone is 11.2 cm high and the radius of its base is 2.8 cm. If the cone is melted and recast into a sphere, then what will be the diameter of the sphere?

Ans

✗ A. 4.2 cm

✗ B. 8.4 cm

✗ C. 2.8 cm

✓ D. 5.6 cm

Q.95 The pH of a neutral solution is _____on the pH scale.

Ans

✗ A. 10

✓ B. 7

✗ C. 14

✗ D. 5

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Q.96 Find the cost of painting all surfaces of a 10 m long hollow steel pipe whose internal and external diameters measure 15 cm and 17 cm respectively, if the cost of painting 1 cm^2 of the surface is ₹0.15. [Use $\pi = \frac{22}{7}$]

Ans

✗ A. ₹15200.80

✗ B. ₹15160.80

✓ C. ₹15100.80

✗ D. ₹15000.80

Q.97 Shogatsu is a new year celebration in which of the following country?

Ans

✗ A. New Zealand

✗ B. France

✓ C. Japan

✗ D. Brazil

Q.98 Simplify the following expression:
$3.5 \times 0.5 \times (4.4 - 0.625 \div 1.5625)$

Ans

✗ A. 14

✗ B. 1.75

✓ C. 7

✗ D. 10.5

Q.99 Find the value of x in the following equation:

$$\left[1 + \frac{1}{1+\frac{1}{1+\frac{1}{5}}}\right] \div 1\frac{6}{11} = \frac{x}{2}$$

Ans

✗ A. $\frac{2}{3}$

✗ B. 1

✓ C. 2

✗ D. $\frac{1}{2}$

Q.100 _____ of the Constitution of India provides that no discrimination can be made against a citizen on grounds only of race, religion, caste, or place of birth or any of them.

Ans

✗ A. Article 16

✗ B. Article 19

✗ C. Article 17

✓ D. Article 15

Q.101 As of March 2022, who was the leader of House in Rajya Sabha?

Ans

✓ A. Piyush Goyal

✗ B. Thaawarchand Gehlot

✗ C. M. Venkaiah Naidu

✗ D. Harivansh

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Q.102 A sum of ₹3680 is invested at 12.5% p.a. simple interest for 6 years. What will be the total amount payable on maturity?

Ans
- ✔ A. ₹6440
- ✘ B. ₹6460
- ✘ C. ₹6420
- ✘ D. ₹6480

Q.103 Hrithik sells a table at a profit of 37.5%. If he had bought it at 12.5% less and sold it for ₹330 less, he would have gained 10%. The cost price of the table is what percentage less than ₹1000?

Ans
- ✔ A. 20%
- ✘ B. 22%
- ✘ C. 21%
- ✘ D. 23%

Q.104 The point on the supply curve at which a firm earns only normal profit is called the _____.

Ans
- ✘ A. break-through point
- ✔ B. break-even point
- ✘ C. exit point
- ✘ D. income point

Q.105 Select the number from among the given options that can replace the question mark (?) and continue the given series.

6, 27, 128, 629, ?

Ans
- ✔ A. 3130
- ✘ B. 2121
- ✘ C. 3131
- ✘ D. 2120

Q.106 The value of the expression $7\frac{2}{3} \times 5\frac{3}{4} + 9\frac{1}{2} \times 6\frac{3}{4}$ is

Ans
- ✘ A. $103\ \frac{7}{24}$
- ✘ B. $98\ \frac{3}{24}$
- ✔ C. $108\ \frac{5}{24}$
- ✘ D. $114\frac{1}{24}$

Q.107 The Prayaga Prashasti (also known as the Allahabad Pillar Inscription) gives us information about the achievements of_____.

Ans
- ✘ A. Ashoka
- ✘ B. Chandragupta-I
- ✔ C. Samudragupta
- ✘ D. Srigupta

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Q.108 If the rate of interest is 20% per annum and interest is compounded half yearly, then in $\frac{3}{2}$ years a sum of ₹4000 will amount to:

Ans
- ✗ A. ₹5224
- ✓ B. ₹5324
- ✗ C. ₹5334
- ✗ D. ₹5234

Q.109 Which of the following states is the origin of the folk music traditions of Saikuti Zai?

Ans
- ✗ A. Goa
- ✓ B. Mizoram
- ✗ C. Odisha
- ✗ D. Telangana

Q.110 Five friends, Purva, Roshan, Vibhor, Luna and Anuj, are wearing five different coloured T-shirts, red, black, purple, yellow and blue. Each of the friends is allergic to one of the following: nuts, dairy, cats, fish and dust, such that no two has the same allergy.

Luna is allergic to cats but is not wearing a purple T-shirt. The one wearing a yellow T-shirt has dust allergy. Purva is wearing a black t-shirt but is not allergic to dairy or fish. Vibhor is wearing a purple T-shirt but does not have fish allergy. Luna is wearing a blue T-shirt. Roshan is wearing a red T-shirt. Who is allergic to dust?

Ans
- ✗ A. Purva
- ✗ B. Roshan
- ✗ C. Vibhor
- ✓ D. Anuj

Q.111 The SI unit of length is _____.

Ans
- ✗ A. mile
- ✗ B. inch
- ✗ C. feet
- ✓ D. metre

Q.112 If in a code language, 'HOME' is written as 'LROF' and 'EYE' is written as 'HAF' and 'SO' is written as 'UP', how will 'HOUSE' be written in that language?

Ans
- ✗ A. LQXUF
- ✓ B. MSXUF
- ✗ C. MSWUF
- ✗ D. LSXUF

Q.113 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. In three of the four pairs, the same pattern is applied and hence they form a group. Select the number-pair that does NOT belong to this group.

A. 2 : 5

B. 4 : 18

C. 6 : 39

D. 8 : 66

Ans
- ✓ A. D
- ✗ B. A
- ✗ C. C
- ✗ D. B

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Q.114 Select the number from among the given options that can replace the question mark (?) in the following series.

3, 78, 9, 69, 15, 60, ?

Ans

✗ A. 19

✗ B. 23

✗ C. 22

✓ D. 21

Q.115 The Harijan Sewak Sangh, with an objective of eradicating the evil of untouchability was founded by _____in 1932.

Ans

✗ A. Aruna Asaf Ali

✗ B. Narendra Dev

✗ C. Jawaharlal Nehru

✓ D. Mahatma Gandhi

Q.116 Which of the following states is home to the only mine in the country involved in industrial-scale mining of diamonds?

Ans

✗ A. Chhattisgarh

✗ B. Tamil Nadu

✓ C. Madhya Pradesh

✗ D. Karnataka

Q.117 Read the given statement and conclusions carefully. Decide which of the given conclusions is/are true based on the given statement.

Statement:

$A \geq B = Q \leq H < X \leq K$

Conclusions:

I. $B < K$

II. $X > Q$

Ans

✗ A. Only conclusion I is true

✗ B. Only conclusion II is true

✓ C. Both conclusions I and conclusion II are true

✗ D. Neither conclusion I nor II is true

Q.118 If ÷ means addition, × means subtraction, + means multiplication and – means division then

$40 - 20 + 6 \times 2 \div 5 = ?$

Ans

✗ A. 13

✗ B. 16

✗ C. 14

✓ D. 15

Q.119 Which of the following keyboard shortcuts is used to lock your PC in a Windows 10 operating system?

Ans

✗ A. Windows logo key + D

✗ B. Ctrl + L

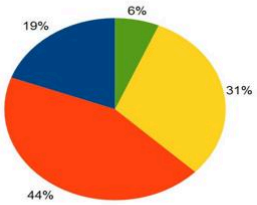
✓ C. Windows logo key + L

✗ D. Ctrl + K

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Q.120 The following pie chart shows the expenditure distribution of a party. The blue part represents decoration expense, green part represents DJ expense, red part represents the food expenses and yellow part represents venue expenses. Study the pie chart and answer the following question.



How much was spent on decoration and DJ together if the total expenditure was ₹32,700?

Ans

✔ A. ₹8,175

✘ B. ₹7,725

✘ C. ₹7,359

✘ D. ₹8,347

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