

GSSSB CCE 2026

Combined Competitive Examination · Advt 378 · CBRT 16–29 Sep 2026 · Question Paper

English

Complete Paper · 150 Questions · Official Answer Key

About this Compilation

This booklet contains the complete question paper of the **GSSSB Combined Competitive Examination (Advt 378) 2026** examination in **English**, with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

How to use

- Use the **Index** page to jump directly to any set (clickable).
- Questions appear section by section in the order of the paper, numbered 1 onward.
- Diagram and wide-table questions appear at full width at the end of their section.
- The correct answer is highlighted in green with a tick.

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Index — All Sets (click to open)

Set 1

16 Sep 2026

9:00 AM - 11:00 AM

English

15 Questions • Answer Key

Q1 English

Choose the most appropriate noun to complete the given sentence.

The jury was impressed by the ____ of the witness.

- A. beauty
- B. trickery
- C. honesty
- D. drama



Q2 English

Choose the sentence that is correctly written in the passive voice.

- A. The mechanic repaired the vehicle quickly at the workshop.
- B. The chef prepared a special meal for the banquet guests.
- C. The bridge was inspected by the engineers after the storm.
- D. The travelers crossed the river before sunset yesterday evening.



Q3 English

Convert this sentence into the Future Perfect Continuous tense, beginning your new sentence with "By next year." She has been teaching at the academy for nine years.

- A. By next year, she will teach at the academy for a decade.
- B. By next year, she will have taught at the academy for a decade.
- C. By next year, she will have been teaching at the academy for a decade.
- D. By next year, she will be teaching at the academy for a decade.



Q4 English

Identify the sentence with the correct use of articles.

He is best candidate for the position.

- A. He is a best candidate for the position.
- B. He is best candidate of the position.
- C. He is an best candidate for the position.
- D. He is the best candidate for the position.



Q5 English

Choose the synonym for the bold word in the sentence. The scientist was **amazed** by the results.

- A. doubtful
- B. careless
- C. astonished
- D. exhausted



Q6 English

Select the correct one-word substitution for "outrageous and disgraceful; shockingly bad or offensive."

- A. Obscure
- B. Laudable
- C. Trivial
- D. Egregious



Q7 English

Select the most appropriate option to substitute the underlined word segment in the given sentence.

Rosenberg has faded into a poorly remembered written, spoken, or drawn silly portrayal of himself.

- A. stricture
- B. literature
- C. investiture
- D. caricature



Q8 English

"I have seen this film." નો સાચો ગુજરાતી અનુવાદ કયો છે?

- A. હું આ ફિલ્મ જોઈ રહ્યો છું.
- B. મેં આ ફિલ્મ જોઈ છે.
- C. હું આ ફિલ્મ જોઈશ.
- D. મેં આ ફિલ્મ જોઈ હતી.



Q9 English

Select the most appropriate meaning of the given idiom—
cast pearls before swine

- A. To fight imaginary enemies or unrealistic problems
- B. Train animals professionally for making them more useful
- C. To offer something valuable to those who do not know its value ✓
- D. Share knowledge equally so that everyone can take benefit

Q10 English

Transform the simple sentence into a compound sentence.
She opened the window to let in fresh air.

- A. She opened the window, and fresh air came in. ✓
- B. To let in fresh air, she opened the window.
- C. Since she opened the window, fresh air came in.
- D. Opening the window, she let in fresh air.

Q11 English

Choose the most appropriate option to complete the given sentence.

The _____ of the conference inspired many _____ to pursue research in the field.

- A. theme, students ✓
- B. location, organizers
- C. topic, speakers
- D. duration, sponsors

Q12 English

Choose the option that shows another meaning of the bold word given in the sentence.

The **seal** balanced a ball on its nose.

- A. a floating marker used in water
- B. a stamp used to close an envelope ✓
- C. a highly intelligent marine mammal
- D. a large marine mammal with tusks

Q13 English

Arrange the segments in the correct order to form a complete sentence.

- A. shifted his attention
- B. to the unfinished report
- C. having finally completed the presentation,
- D. on his desk
- E. the project manager

A. C E A B D ✓

B. D A C B E

C. A B E C D

D. B E D A C

Q14 English

Select the most appropriate option to fill in the blank.
The dean said, "Any student who _____ absent for more than twenty percent of classes will be barred from the final examination."

A. must be

B. is ✓

C. was

D. would be

Q15 English

Convert the given sentence into the Future Perfect tense.

By midnight, the storm will destroy the old wooden pier.

A. By midnight, the storm will have destroyed the old wooden pier. ✓

B. By midnight, the storm will have been destroying the old wooden pier.

C. By midnight, the storm will be destroying the old wooden pier.

D. By midnight, the storm would have destroy the old wooden pier.



Q16 Gujarati

નીચે આપેલ વાક્યોમાંથી ભાષાશુદ્ધિની દૃષ્ટિએ સાચું વાક્ય ઓળખાવો.

- A. રમેશ આજે બીમાર હતો, છતાં પણ તે શાળાએ ભણવા ગયો?
- B. રમેશ આજે બીમાર હતો, છતાં પણ તે શાળાએ ભણવા ગયો!
- C. રમેશ આજે બીમાર હતો, છતાં પણ તે શાળાએ ભણવા ગયો. ✓
- D. રમેશ; આજે બીમાર હતો, છતાં પણ તે શાળાએ ભણવા ગયો.

Q17 Gujarati

નીચેનામાંથી સંજ્ઞા સાથે વિભક્તિનો ઉપયોગ થયો હોય તેવું વાક્ય શોધો.

- A. કોઈકે ઘંટ વગાડ્યો.
- B. મીઠી કેરી લટકી રહી છે.
- C. શિક્ષકે બોર્ડ પર સરસ ચિત્ર દોર્યું. ✓
- D. ગરીબ હોસ્પિટલ દાખલ થયો.

Q18 Gujarati

આ સાથે આપેલ ગુજરાતી વાક્યનો યોગ્ય અંગ્રેજી અનુવાદ ઓળખાવો : અમે હિન્દી વાંચીએ છીએ.

- A. Us read Hindi.
- B. We reads Hindi.
- C. We reading Hindi.
- D. We read Hindi. ✓

Q19 Gujarati

'હરિ' શબ્દનો સમાનાર્થી શબ્દ શોધો.

- A. વાઘ
- B. ગાય
- C. સિંહ ✓
- D. હાથી

Q20 Gujarati

માત્રામેળ છંદમાં અમુક અમુક અંતરે ભાર મુકાય છે તેને શું કહેવામાં આવે છે?

- A. તાલ ✓
- B. ચરણ
- C. ચતિ
- D. ગણ

Q21 Gujarati

સાચી જોડણીવાળું વાક્ય શોધો:

- A. સૂર્યમુખીનું ફૂલ હંમેશાં સૂર્યની દિશા તરફ નમેલું રહે છે.
- B. સૂર્યમુખીનું ફૂલ હંમેશાં સૂર્યની દીશા તરફ નમેલું રહે છે.
- C. સૂર્યમુખીનું ફૂલ હંમેશાં સૂર્યની દિશા તરફ નમેલું રહે છે. ✓
- D. સૂર્યમુખીનું ફૂલ હંમેશાં સૂર્યની દિશા તરફ નમેલું રહે છે.

Q22 Gujarati

'અડધું ત્યજે પંડિત, સઘળું ત્યજે ગમાર' કહેવતનો અર્થ શું છે?

- A. મૂર્ખ માણસ હંમેશા સફળ થાય છે.
- B. પંડિત માણસ બધું છોડી દે છે.
- C. વધારે સંપત્તિ મેળવવી જોઈએ.
- D. ડાહ્યો માણસ બાંધછોડ કરીને થોડુંક બચાવી લે છે જ્યારે મૂર્ખ સઘળું ગુમાવે. ✓

Q23 Gujarati

આપેલ વિકલ્પમાંથી 'સમૃદ્ધ' શબ્દનો સાચો સંધિ વિરહેદ શોધો.

- A. સ્ + મૃદ્ધ
- B. સન + દ્ધ
- C. સમ્ + ઋદ્ધ ✓
- D. સમ્ + દ્ધ

Q24 Gujarati

"જાહેરાત" શબ્દનો સાચો અંગ્રેજી શબ્દ કયો છે?

- A. Secret
- B. Whisper
- C. Announcement ✓
- D. Hide

Q25 Gujarati

'રચનાત્મક' શબ્દનો વિરુદ્ધાર્થી કયો છે?

- A. પ્રેરણાદાયક
- B. સર્જનાત્મક
- C. ખંડનાત્મક ✓
- D. ઉપયોગી



Q26 Gujarati

નીચે આપેલ પંક્તિનો અલંકાર ઓળખાવો.
એ અદ્ભુત પ્રદેશ પૃથ્વી પર સ્વર્ગ જેવો પ્રકાશતો.

- A. અનન્વય અલંકાર
- B. ઉત્પ્રેક્ષા અલંકાર
- C. ઉપમા અલંકાર ✓
- D. શ્લેષ અલંકાર

Q27 Gujarati

'શ્ + આ'નું અક્ષરરૂપ કયું છે?

- A. શા ✓
- B. શે
- C. શુ
- D. શી

Q28 Gujarati

નીચેનામાંથી કયો વ્યંજન 'ઘોષ' અને 'અલ્પપ્રાણ' બંને ગુણધર્મ ધરાવે છે?

- A. ઘ
- B. ખ
- C. ગ ✓
- D. ક

Q29 Gujarati

"ઓ" પહેલાં કયો સ્વર આવે?

- A. અં
- B. ઔ
- C. ઐ ✓
- D. એ

Q30 Gujarati

'સદ્ગુણ' શબ્દનો સમાસ ઓળખાવો.

- A. તત્પુરુષ
- B. ઇંદ્ર
- C. કર્મધારય ✓
- D. બહુવ્રીહિ

General Awareness

30 Questions • Answer Key

Q31 General Awareness

Which population characteristic is most commonly associated with regions having fertile soil?

- A. Sparse population distribution
- B. No permanent settlements
- C. High population ✓
- D. Low population

Q32 General Awareness

Why was the marketed surplus of food grains important to the wider economic impact of the Green Revolution?

- A. It increased the supply of food grains available for sale in markets ✓
- B. It had little influence on economic activities beyond agriculture
- C. It reduced the availability of food grains during shortage periods
- D. It increased the dependence on imported food grains for consumption

Q33 General Awareness

In June 2026, the successful hot test of ISRO's Power Head Test Article (PHTA) was conducted as part of the development of which type of propulsion system?

- A. Semi-cryogenic rocket engine ✓
- B. Scramjet propulsion engine
- C. Cryogenic upper-stage engine
- D. Solid rocket booster engine

Q34 General Awareness

Following the 2026 Assam Assembly election, who continued as the Chief Minister after the National Democratic Alliance (NDA) retained power?

- A. Sarbananda Sonowal
- B. Gaurav Gogoi
- C. Bhabesh Kalita
- D. Himanta Biswa Sarma ✓



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Q35 General Awareness

Atomic radius is commonly measured in units of

- A. Centimetres
- B. Millilitres
- C. Picometres ✓
- D. Kilometres

Q36 General Awareness

The phenomenon in which the left and right sides of an object appear interchanged in a plane mirror is known as

- A. Multiple reflection
- B. Internal reflection
- C. Diffused reflection
- D. Lateral inversion ✓

Q37 General Awareness

Which princely state was annexed by Lord Dalhousie in 1856 on the grounds of misgovernment?

- A. Awadh ✓
- B. Nagpur
- C. Jhansi
- D. Satara

Q38 General Awareness

National Panchayati Raj Day 2026 was observed on which date?

- A. 25 March
- B. 22 May
- C. 23 June
- D. 24 April ✓

Q39 General Awareness

In June 2026, the Samagra Shishu Bal Swasthya Karyakram (SSBSK) was launched by the Government of India to provide a seamless continuum of care for children up to what age?

- A. 12 months
- B. 60 months
- C. 36 months ✓
- D. 24 months

Q40 General Awareness

Which statement best defines **energy**?

- A. The distance moved by an object under a force
- B. The force acting on an object
- C. The capacity of an object to do work ✓
- D. The rate at which work is done

Q41 General Awareness

What was India's overall rank in the QS World Future Skills Index 2027?

- A. 13th ✓
- B. 10th
- C. 5th
- D. 27th

Q42 General Awareness

In 2026, which pair of agricultural products from Gujarat was awarded the Geographical Indication (GI) Tag for its distinct geographical origin and traditional reputation?

- A. Banaskantha Potato and Bharuch Cotton
- B. Unjha Cumin and Unjha Fennel ✓
- C. Kutch Dates and Bhal Barley Crop
- D. Rajkot Groundnut and Gir Kesar Mango

Q43 General Awareness

Which of the following statements most accurately distinguishes population density from total population?

- A. It indicates the proportion of population living in different regions.
- B. It explains the pattern of population distribution across a territory.
- C. It represents the total population residing within a geographical area.
- D. It expresses the average population living per unit area of land. ✓

Q44 General Awareness

Which of the following correctly describes the function of subordinate courts in India?

- A. They exercise advisory jurisdiction on constitutional matters.
- B. They issue writs for restoring Fundamental Rights.
- C. They hear appeals against decisions of the Supreme Court.
- D. They consider cases of a civil and criminal nature. ✓



Q45 General Awareness

In the three-tier Panchayati Raj system, which institution functions as the apex body at the district level?

- A. Nagar Panchayat
- B. Gram Panchayat
- C. Panchayat Samiti
- D. Zila Parishad

**Q46 General Awareness**

Which groups were increasingly recruited into the British Indian Army after the Revolt of 1857?

- A. Marathas and Rajputs only
- B. Tamils and Telugus only
- C. Sikhs, Gurkhas and Pathans
- D. Bengalis and Awadh sepoys

**Q47 General Awareness**

Which architectural aspect of Dholavira distinguishes it as a carefully organised Harappan settlement?

- A. A specialized layout focused entirely on a massive artificial dockyard basin connected to a tidal channel for overseas trade
- B. A layout characterized by a complete absence of a fortified Citadel, focusing instead on dense clusters of craft-production workshops
- C. A dual layout featuring an elevated Citadel built upon massive, uniform platforms of fired bricks with a separate, unfortified Lower Town
- D. A unique tripartite layout dividing the city into a fortified Citadel, Middle Town, and Lower Town, integrated with massive stone-cut reservoirs

**Q48 General Awareness**

Who authored the memoir The Second Orbit: Belief of a Man... Dreams of 1.4 Billion Hearts, released by Air Chief Marshal Amar Preet Singh in June 2026?

- A. Rakesh Sharma
- B. Amar Preet Singh
- C. Shubhanshu Shukla
- D. Angad Pratap

**Q49 General Awareness**

If a farmer hires more workers beyond the point where land becomes crowded, what is likely to happen according to the law of variable proportions?

- A. Each additional worker contributes the same output as the previous worker.
- B. Each additional worker contributes less output than the previous worker.
- C. Each additional worker contributes more output than the previous worker.
- D. Each additional worker causes total output to decline immediately.

**Q50 General Awareness**

Which practice most clearly demonstrates the economic priorities of the Rig Vedic Aryans as described in historical sources?

- A. Using metal coins for daily market transactions
- B. Presenting cows and houses as gifts during religious ceremonies
- C. Constructing irrigation canals for extensive farming
- D. Establishing permanent settlements with large granaries

**Q51 General Awareness**

What was a key reason the government played a large role in industrial development after independence?

- A. Skilled labor was abundantly available
- B. Private industrialists lacked capital and adequate markets
- C. Private companies were unwilling to innovate
- D. There was high foreign investment in the market

**Q52 General Awareness**

The sequence of changes in birth and death rates described by the Demographic Transition Theory is collectively known as the:

- A. Migration cycle
- B. Urbanisation process
- C. Demographic cycle
- D. Population pyramid



Q53 General Awareness

Kathakali, the classical dance-drama form of Kerala, is primarily based on stories drawn from which literary tradition?

- A. Indian epics and Puranic literature** ✓
- B. Tribal storytelling traditions
- C. Romantic folk poetry traditions only
- D. Modern cinematic storytelling

Q54 General Awareness

Which development best explains why the Gupta period is regarded as a significant phase in the history of Classical Sanskrit literature?

- A. The expansion of Sanskrit poetry and drama through works addressing diverse themes and forms** ✓
- B. The transformation of Sanskrit literature mainly through translations from regional languages
- C. The replacement of Sanskrit literary traditions by Pali and emerging regional languages
- D. The restriction of Sanskrit writing largely to religious scriptures and Smriti literature

Q55 General Awareness

According to Jain doctrine, how many Tirthankaras have been recognized from the origins to the expansion of Jainism up to Mahavir Swami?

- A. Twenty-five Tirthankaras
- B. Twenty-three Tirthankaras
- C. Twenty Tirthankaras
- D. Twenty-four Tirthankaras** ✓

Q56 General Awareness

Which category of activities relies primarily on specialised skills and knowledge of individuals to offer professional services in exchange for prescribed fees?

- A. Tertiary activities** ✓
- B. Subsistence activities
- C. Secondary activities
- D. Primary activities

Q57 General Awareness

Which singer won Song of the Year at the Grammys 2026?

- A. Lady Gaga
- B. Taylor Swift
- C. Olivia Dean
- D. Billie Eilish** ✓

Q58 General Awareness

The World Economic Outlook (WEO) 2026 was published by which of the following organizations in April 2026?

- A. World Trade Organization (WTO)
- B. International Monetary Fund (IMF)** ✓
- C. World Bank
- D. World Health Organisation (WHO)

Q59 General Awareness

Which of the following is the supreme institution for larger urban areas?

- A. Gram Panchayat
- B. Municipal Council
- C. Municipal Corporation** ✓
- D. Nagar Panchayat

Q60 General Awareness

What was the theme of the Ahmedabad International Flower Show inaugurated in January 2026?

- A. Unity in Diversity
- B. Ek Bharat Shreshtha Bharat
- C. Bharat Ek Gatha** ✓
- D. Viksit Gujarat



Q61 Quantitative Aptitude

A pipe fills a tank in 15 hours, while a leak empties it in 30 hours. If both of them operate together, how long will it take to fill the tank?

- A. 20 hours
- B. 25 hours
- C. 30 hours ✓
- D. 45 hours

Q62 Quantitative Aptitude

A sum of money earns a simple interest of ₹2,250 in 5 years at the rate of 9% per annum. What is the principal?

- A. ₹10,000
- B. ₹5,000 ✓
- C. ₹8,000
- D. ₹4,000

Q63 Quantitative Aptitude

A man's expenditure is 80% of his income. If his income decreases by 10% and his expenditure decreases by 5%, what is the percentage decrease in his savings?

- A. 30% ✓
- B. 25%
- C. 40%
- D. 20%

Q64 Quantitative Aptitude

The cost price of 120 notebooks is equal to the selling price of 96 notebooks. Find the profit percentage.

- A. 35%
- B. 45%
- C. 30%
- D. 25% ✓

Q65 Quantitative Aptitude

Consider the system of linear equations: $2x + 3y = 7$ and $4x + 6y = 15$. Which of the following best describes the nature of the solution of this system?

- A. The system has a unique solution.
- B. The system has no solution. ✓
- C. The system has infinitely many solutions.
- D. The system has exactly two solutions.

Q66 Quantitative Aptitude

Find the mean proportional between 45 and 245.

- A. 95
- B. 115
- C. 105 ✓
- D. 85

Q67 Quantitative Aptitude

A map is drawn to a scale of 1 : 50,000. The distance between two towns on the map is 8.4 cm. Find the actual distance between the towns (in km).

- A. 4.8 km
- B. 5.2 km
- C. 4.6 km
- D. 4.2 km ✓

Q68 Quantitative Aptitude

A vehicle covers 90 km at 45 km/h, 120 km at 60 km/h, and 150 km at 75 km/h. What is the average speed of the journey?

- A. 55 km/h
- B. 60 km/h ✓
- C. 52 km/h
- D. 67 km/h

Q69 Quantitative Aptitude

A person reduces his speed by 20 km/h and takes 1 hour more to cover 240 km. What was his original speed?

- A. 90 km/h
- B. 60 km/h
- C. 80 km/h ✓
- D. 70 km/h

Q70 Quantitative Aptitude

A shopkeeper sold a bicycle for ₹6000 and gained 20%. How much would he have gained or lost if he had sold it for ₹5000?

- A. 5% Profit
- B. No Profit No Loss ✓
- C. 10% Loss
- D. 5% Loss



Q71 Quantitative Aptitude

The vertices of a park are located at points A (2, 3) and B (8, 11) on a coordinate plane. What is the distance (in units) between the two points?

A. 11

B. 12

C. 10

D. 8

Q72 Quantitative Aptitude

The difference between the compound interest (compounded annually) and simple interest on a sum of money for 2 years at 8% per annum is ₹128. Find the principal.

A. ₹24,000

B. ₹20,000

C. ₹32,000

D. ₹28,000

Q73 Quantitative Aptitude

A person spends 75% of his income. If his monthly income is ₹8,000, how much does he save in a month?

A. ₹2,000

B. ₹3,000

C. ₹1,500

D. ₹2,500

Q74 Quantitative Aptitude

The mean of 12, 16, 20, 24 and 28 is:

A. 20

B. 21

C. 18

D. 19

Q75 Quantitative Aptitude

Two inlet pipes A and B can fill a tank in 20 hours and 30 hours, respectively. An outlet pipe C can empty the full tank in 60 hours. All three pipes are opened together. After 8 hours, Pipe B is closed, while Pipes A and C continue to operate. How much additional time will be required to fill the remaining part of the tank?

A. 16 hours

B. 14 hours

C. 12 hours

D. 10 hours

Q76 Quantitative Aptitude

A dataset arranged in ascending order is given as 12, 15, 18, $2x - 3$, $2x + 1$, 30, 35, 40. If the median of this dataset is 23, what is the value of x ?

A. 12

B. 10

C. 13

D. 11

Q77 Quantitative Aptitude

Find the mean proportional between 27 and 75.

A. 55

B. 35

C. 65

D. 45

Q78 Quantitative Aptitude

Evaluate: $[72 \div \{3 \times (5 + 1)\}] + 18 - 4 \times (9 - 7)$

A. 10

B. 22

C. 14

D. 18

Q79 Quantitative Aptitude

A motorcyclist travels 144 km in 360 minutes. What is his speed in km/h?

A. 24 km/h

B. 20 km/h

C. 22 km/h

D. 26 km/h

Q80 Quantitative Aptitude

The population of a town is 50,000. It increases at the rate of 8% per annum. What will be the population after 2 years?

A. 57,320

B. 59,320

C. 58,320

D. 60,320



Q81 Quantitative Aptitude

Given roots 6 and 7, what is the quadratic equation formed?

A. 1. $x^2 - 15x + 56 = 0$

B. 2. $x^2 - 13x + 42 = 0$ ✓

C. 3. $x^2 - 10x + 21 = 0$

D. 4. $x^2 - 11x + 24 = 0$

Q82 Quantitative Aptitude

Three traffic lights blink at intervals of 15 seconds, 20 seconds, and 30 seconds respectively. After how many seconds will they blink together again?

A. 30

B. 60 ✓

C. 90

D. 5

Q83 Quantitative Aptitude

A tent consists of a cylindrical portion surmounted by a hemispherical top. If the radius of both the cylinder and the hemisphere is 7 m and the height of the cylindrical portion is 6 m, find the total surface area of the tent, excluding the base.

(Use $\pi = \frac{22}{7}$)

A. 1. 572 m^2 ✓

B. 2. 580 m^2

C. 3. 527 m^2

D. 4. 520 m^2

Q84 Quantitative Aptitude

A shopkeeper claims to sell sugar at its cost price. However, he uses a faulty weight of 900 g as 1 kg while selling. What is his profit percentage?

A. 1. 11%

B. 2. $11\frac{1}{9}\%$ ✓

C. 3. $11\frac{1}{3}\%$

D. 4. $11\frac{2}{9}\%$

Q85 Quantitative Aptitude

A circle of radius 7 cm is inscribed in a square whose side measures 14 cm, touching all four sides. Find the area enclosed by the square but lying outside the circle.

(Use $\pi = \frac{22}{7}$)

A. 1. 44 cm^2

B. 2. 40 cm^2

C. 3. 38 cm^2

D. 4. 42 cm^2 ✓



Q86 Quantitative Aptitude

If a pole 6 m high casts a shadow $2\sqrt{3}$ m long on the ground, then the sun's elevation is

A. 1. 90°

B. 2. 30°

C. 3. 60° ✓

D. 4. 45°

Q87 Quantitative Aptitude

A pipe can fill a tank in 8 hours. How much of the tank does it fill in 1 hour?

A. 1. $\frac{1}{10}$

B. 2. $\frac{1}{4}$

C. 3. $\frac{1}{6}$

D. 4. $\frac{1}{8}$ ✓

Q88 Quantitative Aptitude

If the product of the roots of a quadratic equation $x^2 + bx + 12 = 0$ is 12, which value of b gives the sum of the roots as -7?

A. -7

B. 12

C. 7 ✓

D. -12

Q89 Quantitative Aptitude

If $\tan A = \frac{7}{24}$, then the value of $2 \cos A - \sin A$ is:

A. 1. $\frac{47}{25}$

B. 2. $\frac{37}{25}$

C. 3. $\frac{41}{25}$ ✓

D. 4. $\frac{43}{25}$



Q90 Quantitative Aptitude

A solid right circular cone has a height of 24 cm and a base radius of 7 cm. It is sliced by a plane parallel to the base, passing through the midpoint of its height. Find the volume of the smaller cone formed above the cutting plane. (Use $\pi = \frac{22}{7}$)

- A. 462 cubic centimeters
- B. 154 cubic centimeters
- C. 616 cubic centimeters
- D. 308 cubic centimeters

**Reasoning**

60 Questions • Answer Key

Q91 Reasoning

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Six people, P, Q, R, S, T and U, live on different floors of a six-storey building. The ground floor is numbered 1 and the top floor is numbered 6. Determine who lives on the top floor.

Statement I: P lives on floor 3. Q lives immediately above R.
Statement II: S lives immediately below P.

- A. Both statements I and II together are NOT sufficient to answer the question
- B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.
- C. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

**Q92 Reasoning**

There are 8 persons in a family B, E, H, L, P, S, W and Z. B is the father of E. E is the mother of H. L is the husband of E. P is the brother of H. S is the daughter of E. W is the wife of B. Z is the son of S. Fill in the following blank. B is the _____ of H.

- A. Father's father
- B. Mother's father
- C. Father
- D. Father's brother

**Q93 Reasoning**

What should come in place of ? in the given series based on the English alphabetical order?
OXL KTH GPD CLZ YHV ?

- A. UDR
- B. UDS
- C. UER
- D. UDQ

**Q94 Reasoning**

This question is based on the five, four-digit numbers given below.

(Left) 6352 4917 8274 5638 3496 (Right)

(Example- 6971 – First digit = 6, second digit = 9, third digit = 7 and fourth digit = 1)

If 1 is added to third digit of every number, in how many numbers will the new third digit be exactly divisible by the fourth digit?

- A. None
- B. Two
- C. One
- D. Three

**Q95 Reasoning**

Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Pain
2. Recovery
3. Doctor
4. Hospital
5. Medicine

- A. 3, 4, 1, 2, 5
- B. 2, 1, 4, 3, 5
- C. 1, 4, 3, 5, 2
- D. 1, 3, 2, 5, 4



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Q96 Reasoning

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Five people, R, S, T, U and V, live on different floors of a five-storey building. The ground floor is numbered 1 and the top floor is numbered 5. Determine who lives on the top floor.

Statement I: R lives immediately above S. T lives on floor 2.
Statement II: U lives immediately above T. V lives somewhere below R

- A. Both statements I and II together are NOT sufficient to answer the question
- B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question. ✓
- C. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- D. Data in Statement I alone is sufficient to answer the question while data in statement II is not

Q97 Reasoning

Refer to the following letter-symbol series and answer the question. Counting to be done from left to right only.
(Left) W L D L ^ S D W L E F K G \$ I \$ # N A * H T Z \$ % K V A Z P (Right)
How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a letter?

- A. None
- B. Two
- C. One
- D. Four ✓

Q98 Reasoning

Each letter in the word RANDOM is arranged as per the English alphabetical order. How many letters are there in the English alphabetical order between the letter which is third from the left and the one which is second from the right in the new letter cluster thus formed?

- A. One ✓
- B. Two
- C. Four
- D. Three

Q99 Reasoning

Six friends, Hemant, Lakshmi, Farhan, Deepa, Tanvi and Bharat, each has different ages. Farhan is older than Bharat. Tanvi is older than Farhan. Deepa is younger than Hemant. Lakshmi is older than Tanvi. Bharat is younger than Deepa. Who is the youngest person in this group?

- A. Deepa
- B. Bharat ✓
- C. Hemant
- D. Farhan

Q100 Reasoning

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: Some soil types are land areas. All earth surfaces are land areas.

Conclusion (I) : Some soil types are earth surfaces.

Conclusion (II) : All land areas are earth surfaces.

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

Q101 Reasoning

120 is related to 70 following a certain logic. Following the same logic, 135 is related to 85. To which of the following is 105 related to, following the same logic?

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

- A. 65
- B. 50
- C. 60
- D. 55 ✓



Q102 Reasoning

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Four men, P, Q, R and T, live on different floors of a four-storey building. The ground floor is numbered 1 and the top floor is numbered 4. Who lives on the top floor?

Statement I: R lives on floor 2, and P lives immediately above R.

Statement II: Q lives on the ground floor, and T lives above P.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not.
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not.
- C. Both statements I and II together are NOT sufficient to answer the question.
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question. ✓

Q103 Reasoning

Refer to the following letter, symbol series and answer the question. Counting to be done from left to right only. All numbers are single digit numbers only.

(Left) $8 * 2 @ \# 5 1 \% 9 \& \text{£} 4 7 ^ 3$ (Right)

How many such symbols are there each of which is immediately preceded by a number and also immediately followed by a number?

- A. Two
- B. None
- C. One
- D. More than two ✓

Q104 Reasoning

E, I, O, P, Q and Z live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.

Only three people live between Q and I, where Q lives below I. Z lives on an odd numbered floor and immediately above Q. O lives on one of the floors below E and on one of the floors above P. Who lives on floor numbered 5?

- A. P
- B. O
- C. I
- D. E ✓

Q105 Reasoning

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question: Ravi starts from point A and reaches point D. In which direction is point D from point A?

Statements:

- (I) From A, Ravi walks 3 km north to reach B. From B, he turns right and walks 4 km to reach C. From C, he turns right and walks 3 km to reach D.
- (II) Point B is to the north of A. Point C is to the east of B.

- A. Both statements I and II together are NOT sufficient to answer the question
- B. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- C. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question
- D. Data in Statement I alone is sufficient to answer the question while data in statement II is not ✓

Q106 Reasoning

F, G, H, I, T, U and V are sitting around a circular table facing the centre. I sits fourth to the right of U. H sits second to the left of I. T sits to the immediate left of G. Only one person sits between G and F. Who is an immediate neighbour of both V and F?

- A. H ✓
- B. U
- C. G
- D. T

Q107 Reasoning

The position(s) of how many letters will remain unchanged if each letter in the word SQUELCH is arranged in the English alphabetical order?

- A. Two
- B. None ✓
- C. Three
- D. One



Q108 Reasoning

Five people, N, R, V, W and X are sitting in a row, facing north. Only three people sit to the left of N. V sits to the immediate left of X. Only one person sits between W and R. Only two people sit between X and W. Who sits to the immediate left of W?

A. X

B. V

C. R

D. N

**Q109 Reasoning**

In a certain code language,
 $W + X$ means 'W is the sister of X'
 $W - X$ means 'W is the husband of X'
 $W \times X$ means 'W is the father of X'
 $W \div X$ means 'W is the daughter of X'

Based on the above, how is F related to W if ' $F - Q + S \div R \times W$ '?

A. Brother

B. Father

C. Sister's husband



D. Husband

Q110 Reasoning

Mani starts from Point Y and drives 52 km towards North. He turns right and drives 11 km, takes a right and drives 77 km. He then takes a right turn and drives 45 km. He takes a right turn, drives 25 km, turns left and drives 41 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90 degrees turns only unless specified)

A. 79 km towards west

B. 75 km towards east



C. 82 km towards west

D. 80 km towards east

Q111 Reasoning

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.)

A. TVQ

B. FHC

C. KNH



D. VXS

Q112 Reasoning

This question is based on the following words
 FLY HOT BAG PEN

If in each of the words, each letter is changed to the letter immediately following it in the English alphabetical order, how many words thus formed will have no vowel?

A. None

B. One

C. Two



D. Three

Q113 Reasoning

An accurate clock shows 9:07 am. By how many degrees will the minute hand rotate when the clock shows 9:51 am on the same day?

A. 250°

B. 264°



C. 282°

D. 294°

Q114 Reasoning

Choose the option in which all the details of the given name and address are correctly reproduced.

Mrs. Padmavathi R. Shekhawat, H. No. 23/4-A, Gangapole Lane, Near Hawa Mahal, Johari Bazaar, Jaipur, Rajasthan – 302002

Mrs. Padmavathi R. Shekhawat, H. No. 23/4-A,
 A. Gangapole Lane, Near Hawa Mahal, Johari Bazaar, Jaipur, Rajasthan – 302002



Mrs. Padmavathi R. Shekhawat, H. No. 23/4-A,
 B. Gangapole Lane, Near Hawa Mahal, Johari Bazaar, Jaipur, Rajasthan – 302020

Mrs. Padmavathi R. Shekhawat, H. No. 23/4-A,
 C. Gangapole Lane, Near Hawa Mahal, Johari Bazaar, Jaipur, Rajasthan – 302002

Mrs. Padmavathi R. Shekhawat, H. No. 23/4-A,
 D. Gangapole Lane, Near Hawa Mahal, Johari Bazaar, Jaipur, Rajasthan – 302002

Q115 Reasoning

Five friends C, G, L, R, and W scored different marks in an exam. G scored more marks than L. C scored more marks than G. R scored fewer marks than L. W scored more marks than C. Fill in the following blank. _____ got the third highest marks in that exam.

A. G



B. W

C. C

D. L



Q116 Reasoning

Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Decade
2. Month
3. Year
4. Century
5. Week

A. 4, 3, 1, 5, 2

B. 4, 1, 3, 2, 5

C. 1, 2, 3, 5, 4

D. 3, 1, 2, 4, 5

Q117 Reasoning

Refer to the following letter-symbol series and answer the question. Counting to be done from left to right only.

(Left) G J P R \$ E L K ^ \$ B T \$ F Y £ H U S P Y U Q F Q E N # V G (Right)

How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a letter?

A. Five

B. Three

C. Four

D. Two

Q118 Reasoning

Refer to the following letter-symbol series and answer the question. Counting to be done from left to right only.

(Left) Z P S Z K @ Y U C & £ % P B U * P T \$ & * C R R J G M (Right)

How many such letters are there, each of which is immediately preceded by a symbol and also immediately followed by a letter?

A. One

B. Two

C. Three

D. Four

Q119 Reasoning

Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Decade
2. Minute
3. Century
4. Millenium
5. Day

A. 2, 5, 1, 3, 4

B. 5, 3, 4, 2, 1

C. 3, 4, 1, 5, 2

D. 4, 1, 2, 5, 3

Q120 Reasoning

Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Furniture
2. Forest
3. Wood
4. Carpenter
5. Tree

A. 1, 4, 2, 3, 5

B. 1, 3, 2, 5, 4

C. 1, 3, 2, 4, 5

D. 2, 5, 3, 4, 1

Q121 Reasoning

If 30 July 2002 is Tuesday then what will be the day of the week on 14 December 2015?

A. Monday

B. Saturday

C. Thursday

D. Sunday

Q122 Reasoning

Each of D, E, F, G, H, L and M has an interview on a different day of a week, starting from Monday and ending on Sunday of the same week. Only three people have interview between E and M. Only three people have interview between F and D. H has interview on some day before L and on some day after G. Only D has interview after M. How many people have interview before H?

A. One

B. Three

C. Two

D. Four



Q123 Reasoning

What should come in place of ? in the given series?
3200, 3400, 3700, 4100, 4600, 5200, ?

- A. 5700
- B. 6000
- C. 5900
- D. 6100

Q124 Reasoning

What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$13 + 7 \div 2 - 24 \times 3 = ?$$

- A. 2
- B. 7
- C. 11
- D. 16

Q125 Reasoning

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 athletes Bharat, Chetan, Disha, Eshan and Fiza, each having a different height, who is the shortest?

(I) Chetan is shorter than Bharat. Disha is shorter than Chetan. Eshan is shorter than Disha.

(II) Fiza is taller than Eshan. Bharat is the tallest.

- A. Both statements I and II together are NOT sufficient to answer the question
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- C. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

Q126 Reasoning

Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?

MFQ 23, R KV 28, WPA 33, BUF 38, ?

- A. GZK 43
- B. GZL 44
- C. HZK 44
- D. GAK 43

Q127 Reasoning

If 14 December 2017 is a Thursday, then what was the day of the week on 23 January 2017?

- A. Monday
- B. Tuesday
- C. Wednesday
- D. Sunday

Q128 Reasoning

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Four people, R, S, T and U, live on different floors of a four-storey building. The ground floor is numbered 1 and the top floor is numbered 4. Who lives on floor 2?

Statement I: S lives on the ground floor. U lives immediately above T.

Statement II: R lives on floor 4.

- A. Both statements I and II together are NOT sufficient to answer the question.
- B. Data in Statement II alone is sufficient to answer the question while data in statement I is not.
- C. Data in Statement I alone is sufficient to answer the question while data in statement II is not.
- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question.

Q129 Reasoning

If 2 is added to each odd digit and 1 is subtracted from each even digit in the number 5142873, how many digits will appear more than once in the new number thus formed?

- A. One
- B. Three
- C. None
- D. Two



Q130 Reasoning

All 33 students in a class are standing in a row facing north. Dany is 8th from the right end while Liya is 10th from the left end. How many people stand between Dany and Liya?

- A. 18
- B. 16
- C. 10
- D. 15

**Q131 Reasoning**

Based on the English alphabetical order, three of the following four letter cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

(Note: The odd man out is not based on the number of consonants/vowels or their position in the letter cluster)

- A. LO-RU
- B. UT-BN
- C. ON-UT
- D. PK-VQ

**Q132 Reasoning**

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

$$200.05 \div 19.99 - 15.02 + 40.01 = ?$$

- A. 22
- B. 35
- C. 50
- D. 65

**Q133 Reasoning**

Mr. Abdo starts from Point A and drives 6 km towards the East. He then takes a right turn, drives 7 km, then turns right and drives 8 km. He then takes a right turn and drives 9 km. He takes a final right turn, drives 2 km and stops at Point P. How far (shortest distance) and towards which direction should he drive in order to reach Point A again? (All turns are 90 degree turns only, unless specified.)

- A. 2 km to the north
- B. 4 km to the south
- C. 2 km to the south
- D. 4 km to the north

**Q134 Reasoning**

Five friends Amit, Divya, Kunal, Rohit, and Sonia have different weights. Divya is heavier than Sonia. Amit is heavier than Divya. Rohit is heavier than Amit. Kunal is lighter than Sonia. Fill in the following blank. _____ is the heaviest person in this group.

- A. Rohit
- B. Divya
- C. Kunal
- D. Amit

**Q135 Reasoning**

A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements is sufficient to answer the question. Read both statements and decide the appropriate answer.

Five people, Deepa, Farhan, Isha, Mohan and Ravi are sitting in a row facing north. Who sits exactly in the middle? (I) Deepa sits at the extreme left end. Farhan sits to the immediate right of Deepa.

(II) Ravi sits second from the extreme right end. Isha is not an immediate neighbour of Mohan.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not
- B. Data in Statement I alone is sufficient to answer the question while data in statement II is not
- C. Both statements I and II together are NOT sufficient to answer the question



- D. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question

Q136 Reasoning

In a certain code language, 'YARK' is coded as '7958' and 'RACK' is coded as '8679'. What is the code for 'C' in the given code language?

- A. 8
- B. 9
- C. 6
- D. 7

**Q137 Reasoning**

BEI is related to FIM in a certain way based on the English alphabetical order. In the same way, FJN is related to JNR. To which of the following is CGL related to, following the same logic?

- A. GKO
- B. KNS
- C. GKP
- D. JNR



Q138 Reasoning

In a row of 83 students facing north, Kiran's position is 29th from the left end and Varun's position is 18th from the right end. Fill in the following blank. Only _____ students are sitting between Kiran and Varun.

A. 35

B. 37

C. 36



D. 34

Q139 Reasoning

Each letter in "KABELJOU" is changed to the letter immediately following it in the English alphabetical order and then all the letters thus formed are arranged in the English alphabetical order. How many letters positions will not change in the group of letters thus formed, as compared to the original word?

A. Three

B. Two

C. One



D. None

Q140 Reasoning

The position(s) of how many letters will remain unchanged if each letter in the word WHISPER is arranged in alphabetical order?

A. Three

B. None

C. One

D. Two

**Q141 Reasoning**

Seven boxes K, L, M, N, T, U and Z are kept one over the other but not necessarily in the same order. Only two boxes are kept between L and N. Only U is kept above K. No box is kept below N. Z is kept at some place below T but at some place above M. Which box is kept third above M?

A. T



B. N

C. L

D. K

Q142 Reasoning

If + means - , - means $\times$, $\times$ means $\div$, $\div$ means +, then what will come in place of the question mark (?) in the following equation?

$$9 \times 3 + 11 \div 2 - 4 = ?$$

A. 11

B. 0



C. 6

D. 3

Q143 Reasoning

Refer to the following letter series and answer the question. Counting to be done from left to right.

(Left) Q M Y A O X O U N J I U W T U O Z M X B I O R O Z Y D (Right)

How many such vowels are there, each of which is immediately preceded by a vowel and also immediately followed by a consonant?

A. Two

B. Four

C. Three

D. Five

**Q144 Reasoning**

There are 8 persons in a family A, D, G, K, N, R, V and X. A is the wife of D. G is the daughter of A. K is the husband of G. N is the son of G. R is the brother of G. V is the daughter of K. X is the sister of N. Fill in the following blank. N is the _____ of A.

A. Mother's father

B. Daughter's son



C. Son's son

D. Father's father



Q145 Reasoning

In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Question:

Four people, N, O, P and Q, live on different floors of a four-storey building. The ground floor is numbered 1 and the top floor is numbered 4. Who lives on the ground floor?

Statement I: P lives on floor 3, and Q lives on floor 4.

Statement II: O lives immediately above N.

- A. Data in Statement II alone is sufficient to answer the question while data in statement I is not.
- B. Both statements I and II together (and not statement I alone or statement II alone) are sufficient to answer the question. ✓
- C. Data in Statement I alone is sufficient to answer the question while data in statement II is not.
- D. Both statements I and II together are NOT sufficient to answer the question.

Q146 Reasoning

Below are given two sets of numbers. In each set of numbers, certain mathematical operation(s) on the first number results in the second number. Similarly, certain mathematical operation(s) on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the given sets? (NOTE – A two/three digit number cannot be broken into individual digits for operations e.g. if 37 is followed by 10, the operation cannot be $3 + 7$ as a two digit number cannot be broken into individual digits)

46 - 42 - 37 - 111

33 - 29 - 24 - 72

A. 49 - 45 - 40 - 120 ✓

B. 12 - 7 - 2 - 4

C. 18 - 15 - 11 - 33

D. 1 - -3 - -10 - -20

Q147 Reasoning

Select the pair which follows the same pattern as that followed by the two set of pairs given below. Both pairs follow the same pattern.

CHP : IMT

GLS : MQW

- A. EMP : KST
- B. KRT : PXX
- C. BHN : HNT
- D. DJQ : JOU ✓

Q148 Reasoning

This question is based on the five, three-digit numbers given below.

(Left) 347 421 319 483 532 (Right)

(Example - 697 – First digit = 6, second digit = 9 and third digit = 7)

NOTE - All operations to be done from left to right.

What will be the resultant if the second digit of the highest number is added to the third digit of the lowest number?

A. 12 ✓

B. 14

C. 11

D. 15



Q149 Reasoning

In this question, a group of number/symbol is coded using letter codes as per the codes given below and the conditions which follow. The correct combination of codes following the conditions is your answer. If none of the conditions follow, then codes for the respective Number/Symbol to be followed directly as given in the table.

Number/Symbol	3	#	7	&	1	!	@	5	\$	8
Codes	P	F	V	K	M	R	H	T	D	Q

Conditions –

(i) If the first element is a symbol and the last a number, the codes for these two (the first and the last elements) are to be interchanged.

(ii) If the first element is an odd number and the last an even number, the first and last elements are to be coded as @

(iii) If both second and third elements are perfect squares, the third element is to be coded as the code for the second element.

& ! 5 @ 7

A. V R T H K



B. K R T H V

C. K R T H K

D. V T H R V

Q150 Reasoning

In this question, a group of number/symbol is coded using letter codes as per the codes given below and the conditions which follow. The correct combination of codes following the conditions is your answer. If none of the conditions follow, then codes for the respective Number/Symbol to be followed directly as given in the table.

Number/Symbol	1	8	%	6	#	5	+	@	!	3
Code	R	H	T	M	P	K	V	D	F	Q

Conditions –

(i) If the first element is a number and the last a symbol, the codes for these two (the first and the last elements) are to be interchanged.

(ii) If the first element is an odd number and the last an even number, the first and last elements are to be coded as @

(iii) If both second and third elements are perfect squares, the third element is to be coded as the code for the second element.

1 3 # % 6

A. R Q T P M

B. @ Q P T @



C. N Q P T R

D. @ Q T P @



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