



RRB JE 2024 CBT-2 Civil

Junior Engineer · Civil Engineering · CEN 03/2024 · CBT-2 · General Abilities · Question Paper

English

All 3 Shifts (Sets) · General Abilities Section · Official Answer Key

About this Compilation

This booklet contains all **3 shift papers** of the **RRB JE 2024 CBT-2 (Civil Engineering)** examination in **English (General Abilities)** section only), 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

22 Apr 2025
9:00 AM - 11:00 AM

Set 3

04 Jun 2025
9:00 AM - 11:00 AM

Set 2

22 Apr 2025
2:30 PM - 4:30 PM

General Abilities

50 Questions • Answer Key

Q1 General Abilities

What is the primary function of a computer firewall?

- A. To speed up internet connectivity
- B. To detect and remove computer viruses
- C. To store user passwords securely
- D. To prevent unauthorised access to a private network ✓

Q2 General Abilities

A concave lens has a focal length of -2 cm. What is its power?

- A. 0.5 D
- B. -0.5 D
- C. 25 D
- D. -50 D ✓

Q3 General Abilities

Which of the following elements has an atomic number of 8?

- A. Carbon
- B. Hydrogen
- C. Nitrogen
- D. Oxygen ✓

Q4 General Abilities

Which formula should be entered in cell C2 to multiply the values of cells A2 and B2 in Excel?

- A. $=A2+B2$
- B. $=A2-B2$
- C. $=MULTIPLY(A2,B2)$
- D. $=A2*B2$ ✓

Q5 General Abilities

Why do covalent compounds generally have low melting and boiling points?

- A. They have strong electrostatic forces.
- B. They contain metallic bonds.
- C. They have a rigid lattice structure.
- D. They have weak intermolecular forces. ✓

Q6 General Abilities

Who among the following Indian female cricketers won the Best International Cricketer Award (Women) at the BCCI Naman Awards 2025?

- A. Jhulan Goswami
- B. Mithali Raj
- C. Smriti Mandhana ✓
- D. Harmanpreet Kaur

Q7 General Abilities

What does LAN stand for?

- A. Limited Access Node
- B. Linked Access Network
- C. Local Area Network ✓
- D. Large Area Network

Q8 General Abilities

A metal wire is stretched, but it does not break easily. This property is known as:

- A. hardness
- B. malleability
- C. brittleness
- D. ductility ✓

Q9 General Abilities

A car moving at a constant speed of 123 km/hr along a straight road is an example of _____.

- A. random motion
- B. rotational motion
- C. uniform motion ✓
- D. non-uniform motion

Q10 General Abilities

Which of the following options is NOT a greenhouse gas?

- A. Methane
- B. Carbon dioxide
- C. Carbon tetrachloride ✓
- D. Nitrous oxide



Q11 General Abilities

Which of the following will increase the heat produced by a heating element?

- A. Decreasing the applied voltage
- B. Using a wire of lower resistance
- C. Using a material with high conductivity
- D. Increasing the current flowing through the wire ✓

Q12 General Abilities

The President has the power to dissolve which house of Parliament?

- A. Legislative Assembly
- B. Rajya Sabha only
- C. Both Rajya Sabha and Lok Sabha
- D. Lok Sabha only ✓

Q13 General Abilities

What happens to the pH of pure water when a few drops of lemon juice are added?

- A. The pH decreases ✓
- B. The pH becomes neutral
- C. The pH remains the same
- D. The pH increases

Q14 General Abilities

A solution is prepared by dissolving 40 g of NaCl in 200 g of water. What is the mass per cent of NaCl in the solution?

- A. 25%
- B. 16.67% ✓
- C. 20%
- D. 45%

Q15 General Abilities

In an aquatic ecosystem, the phenomenon of biomagnification can best be studied in the case of _____.

- A. chlorine
- B. DDT ✓
- C. organochlorine
- D. phosphates

Q16 General Abilities

Who among the following established the Bengal Chemical Swadeshi Stores?

- A. Surendranath Banerjee
- B. Acharya PC Ray ✓
- C. BG Tilak
- D. Dadabhai Naoroji

Q17 General Abilities

Who among the following referred to the Directive Principles as the 'life-giving provisions' of the Constitution of India?

- A. HM Seervai
- B. LM Singhvi ✓
- C. Ivor Jennings
- D. BR Ambedkar

Q18 General Abilities

Which German optical technology firm inaugurated its first Global Capability Centre in Bengaluru in November 2024, with plans to double its workforce within three years?

- A. Leica
- B. Carl Zeiss AG ✓
- C. Jenoptik
- D. Schneider Kreuznach

Q19 General Abilities

The wavelength of ultraviolet radiations which is most powerful and causes damage to the DNA is ____.

- A. UV-D
- B. UV-C
- C. UV-A
- D. UV-B ✓

Q20 General Abilities

Which country proposed the idea of holding a United Nations conference on human interactions with the environment in 1968?

- A. Sweden ✓
- B. United States
- C. France
- D. Canada



Q21 General Abilities

For the protection and improvement of the environmental quality, the Environment Protection Act came into force in the year _____.

- A. 1992
- B. 1972
- C. 1984
- D. 1986

**Q22 General Abilities**

What is the general orientation of the Himalayan ranges in the northwestern part of India?

- A. Northwest to Southeast
- B. Northeast to Southwest
- C. East-South
- D. South-North

**Q23 General Abilities**

Which of the following correctly differentiates mixtures and compounds?

Feature

- A. Option D (Formation) is correct
- B. Option C (Properties) is correct
- C. Option A (Separation) is correct
- D. Option B (Composition) is correct

**Q24 General Abilities**

The kinetic energy of an object is derived using which of the following equations of motion?

- A. $v^2 - u^2 = 2as$
- B. $v = u + at$
- C. $s = ut + \frac{1}{2}at^2$
- D. $a = (v - u) / t$

**Q25 General Abilities**

Due to global warming, the temperature of the earth has increased by _____

- A. 0.8°C
- B. 0.5°C
- C. 0.7°C
- D. 0.6°C

**Q26 General Abilities**

Which of the following MS Excel functions is used to convert a numeric value into a text with a specific format?

- A. FORMAT()
- B. VALUE()
- C. TEXT()
- D. NUMBERTOTEXT()

**Q27 General Abilities**

Which type of RAM is faster and DOES NOT require refreshing?

- A. Flash Memory
- B. ROM
- C. DRAM
- D. SRAM

**Q28 General Abilities**

Who is known as the leader of the Green Revolution in India?

- A. Dr. Rajendra Prasad
- B. C Subramaniam
- C. Tribhuvandas Kishibhai Patel
- D. Prof. MS Swaminathan

**Q29 General Abilities**

Which of the following was NOT an artisan guild during the Mauryan period?

- A. Astrologers
- B. Bankers and Merchants
- C. Carpenters
- D. Potters

**Q30 General Abilities**

What is the primary function of a firewall tool in a computer network?

- A. To speed up internet connections
- B. To store data securely
- C. To monitor and control incoming and outgoing network traffic
- D. To detect and remove viruses



Q31 General Abilities

Where can one find the option to change a PowerPoint template?

- A. Insert → Themes
- B. View → Slide Master
- C. Home → Layout
- D. Design → Themes ✓

Q32 General Abilities

A ball of mass 50 grams is moving with a velocity of 15 m/s. What is its kinetic energy?

- A. 1.875 J
- B. 7.500 J
- C. 5.625 J ✓
- D. 3.750 J

Q33 General Abilities

In which of the following events did Deepthi Jeevanji set a world record at the 2024 World Para Athletics Championships?

- A. 100 metres T20
- B. 400 metres T20 ✓
- C. 200 metres T20
- D. 600 metres T20

Q34 General Abilities

What happens when you click on the 'Forward' button in an email?

- A. A blank email opens.
- B. The email is permanently deleted.
- C. The email is automatically sent to all contacts.
- D. The original message is copied into a new email draft. ✓

Q35 General Abilities

Which operating system is known for its open-source nature and community-driven development for desktops and laptops?

- A. iOS
- B. macOS
- C. Linux ✓
- D. Windows

Q36 General Abilities

Which of the following is NOT toxic to non-target organisms in the soil?

- A. Herbicides
- B. Organic fertilisers ✓
- C. Pesticides
- D. Fungicides

Q37 General Abilities

Radiations that are emitted from nuclear wastes are known to cause _____ at a high rate.

- A. diseases
- B. mutations ✓
- C. syndromes
- D. emotional defects

Q38 General Abilities

Which of the following is NOT a source of collection of municipal solid waste?

- A. Radioactive waste ✓
- B. Waste from hospitals
- C. Waste from schools
- D. Waste from homes

Q39 General Abilities

An object is placed 15 cm in front of a convex lens of focal length 25 cm. The image distance will be _____.

- A. 17.5 cm
- B. -10.0 cm
- C. -37.5 cm ✓
- D. -9.37 cm

Q40 General Abilities

In January 2025, India launched the NVS-02 satellite to strengthen which of the following navigation systems?

- A. Galileo
- B. Global Navigation Satellite System (GLONASS)
- C. Global Positioning System (GPS)
- D. Navigation with Indian Constellation (NavIC) ✓



Q41 General Abilities

Which of the following bridges is constructed over the Brahmaputra River in India?

- A. Mahatma Gandhi Setu
- B. Dhol-Sadiya Bridge ✓
- C. Pamban Bridge
- D. Howrah Bridge

Q42 General Abilities

Who among the following developed the notation system for Hindustani classical music?

- A. Pandit Ravi Shankar
- B. Ustad Amjad Ali Khan
- C. Pandit Vishnu Narayan Bhatkhande ✓
- D. Ustad Bismillah Khan

Q43 General Abilities

Electricity production is categorised under which of the following economic sectors?

- A. Quaternary sector
- B. Secondary sector ✓
- C. Primary sector
- D. Tertiary sector

Q44 General Abilities

The main reason for which we are dependent on air is our ____.

- A. digestion
- B. osmoregulation
- C. respiration ✓
- D. excretion

Q45 General Abilities

Which function key is used to move text or graphics in a document?

- A. F12
- B. F1
- C. F2 ✓
- D. F5

Q46 General Abilities

An alloy is considered a homogeneous mixture because:

- A. its components can be separated by filtration
- B. its components are chemically combined in fixed proportions
- C. it exhibits uniform composition throughout ✓
- D. it contains two or more phases

Q47 General Abilities

The atomic mass of sulphur is 32 u, and sulphur exists as S₈ molecules. What is the molecular mass of sulphur?

- A. 256 u ✓
- B. 64 u
- C. 128 u
- D. 32 u

Q48 General Abilities

A sound wave with a low frequency will have ____.

- A. a high pitch
- B. a low amplitude
- C. a low pitch ✓
- D. a short wavelength

Q49 General Abilities

The power to issue an ordinance when Parliament is NOT in session is given to the President under which Article?

- A. Article 72
- B. Article 110
- C. Article 356
- D. Article 123 ✓

Q50 General Abilities

The people of _____ were famously involved in execution of the Chipko movement.

- A. Assam
- B. Gujarat
- C. Delhi
- D. Garhwal Himalayas ✓



General Abilities

50 Questions • Answer Key

Q1 General Abilities

Which of the following states is NOT covered under the Atal Bhujal Yojana?

- A. Rajasthan
- B. Maharashtra
- C. Uttar Pradesh
- D. Jharkhand



Q2 General Abilities

The Millennium Development Goals (MDGs) aimed to reduce extreme poverty by which year?

- A. 2005
- B. 2014
- C. 2015
- D. 2008



Q3 General Abilities

What does PCB stand for?

- A. Printed Circuit Board
- B. Peripheral Connection Bus
- C. Primary Control Board
- D. Processing Circuit Board



Q4 General Abilities

The maximum sound is generated _____.

- A. from house chimneys
- B. from industrial smoke
- C. from vehicular emissions
- D. by the take off of a jet plane



Q5 General Abilities

Identify the correct formula for the compound formed between Mg^{2+} and PO_4^{3-} ions.

- A. $\text{Mg}_3(\text{PO}_4)_2$
- B. MgPO_4
- C. $\text{Mg}_2(\text{PO}_4)_3$
- D. $\text{Mg}(\text{PO}_4)_3$



Q6 General Abilities

Which of the following correctly explains why clothes dry faster on a windy day?

- A. Wind decreases the temperature of the water molecules.
- B. Wind removes the water vapour from the clothes' surroundings.
- C. Wind reduces the surface area of the clothes.
- D. Wind increases the humidity around the clothes.



Q7 General Abilities

The energy that is derived from the use of radioactive isotopes is termed as _____.

- A. geothermal energy
- B. nuclear energy
- C. thermal energy
- D. solar energy



Q8 General Abilities

According to the Tendulkar methodology, what was the estimated percentage of people below the poverty line in rural areas in 2011-12?

- A. 15.5%
- B. 25.7%
- C. 20%
- D. 27.5%



Q9 General Abilities

The primary agent that helps in the decomposition of biodegradable matter in domestic sewage is _____.

- A. bacterium
- B. chloride
- C. nitrate
- D. phosphate



Q10 General Abilities

The glass panel used in greenhouses is known to retain _____.

- A. pH
- B. humidity
- C. heat
- D. rainfall

**Q11 General Abilities**

The main use of chlorofluorocarbons is in _____.

- A. vehicles
- B. refrigerants
- C. smog
- D. chimneys

**Q12 General Abilities**

The phenomenon of multiple echoes due to repeated reflections is called _____.

- A. diffraction
- B. reverberation
- C. resonance
- D. refraction

**Q13 General Abilities**

The fine powder that is obtained from the modified and recycled form of plastic is called _____.

- A. polyblend
- B. polyethylene
- C. polystyrene
- D. polythene

**Q14 General Abilities**

The Industrial Policy Resolution of 1956 categorised industries into how many groups?

- A. Three
- B. Seven
- C. Five
- D. Nine

**Q15 General Abilities**

The Rudra Veena is predominantly associated with which genre of Hindustani music?

- A. Khayal
- B. Dhrupad
- C. Ghazal
- D. Thumri

**Q16 General Abilities**

Which official in the Gupta administration was responsible for peace and war matters?

- A. Sandhi-Vigrahika
- B. Mahadandanayaka
- C. Vishayapati
- D. Mahapratihara

**Q17 General Abilities**

Which of the following companies announced plans in February 2025 to construct the world's longest undersea cable, aiming to enhance internet connectivity across five continents, with landing points in India?

- A. Amazon
- B. Meta
- C. Microsoft
- D. Google

**Q18 General Abilities**

What is the maximum number of Ministers allowed in the Council of Ministers, including the Prime Minister, as per the 91st Amendment Act?

- A. 12% of Lok Sabha strength
- B. 15% of Lok Sabha strength
- C. 20% of Lok Sabha strength
- D. 10% of Lok Sabha strength

**Q19 General Abilities**

If an object is dropped from rest, what will be its velocity after 15 seconds? ($g = 9.8 \text{ m/s}^2$)

- A. 145 m/s
- B. 143 m/s
- C. 149 m/s
- D. 147 m/s



Q20 General Abilities

Inertia depends on which property of an object?

A. Mass



B. Acceleration

C. Shape

D. Velocity

Q21 General Abilities

Which of the following is a characteristic difference between colloids and true solutions?

A. True solutions exhibit Brownian motion, but colloids do not.

B. True solutions have visible solute particles, whereas colloids have invisible dispersed particles.

C. True solutions have a single-phase system, whereas colloids have a two-phase system.



D. True solutions show the Tyndall effect, but colloids do not.

Q22 General Abilities

In which of the following regions the Himalayas has the greatest width?

A. Kashmir



B. Arunachal Pradesh

C. Himachal Pradesh

D. Sikkim

Q23 General Abilities

What is the primary function of the F4 key in MS Excel when editing a cell reference in a formula?

A. Opens the Find and Replace dialog

B. Toggles between absolute and relative references



C. Refreshes the worksheet

D. Repeats the last action

Q24 General Abilities

What is the first step to securing ones smartphone or tablet?

A. Turning off mobile data

B. Installing more apps

C. Setting a password/PIN-protected lock screen



D. Using only free Wi-Fi networks

Q25 General Abilities

The practice of Jhum cultivation is prevalent in the _____.

A. South east

B. South west

C. North west

D. North east

**Q26 General Abilities**

Which of the following correctly represents the chemical formula of a compound formed by aluminium and sulphate ions?

A. $\text{Al}(\text{SO}_4)_3$

B. $\text{Al}_3(\text{SO}_4)_2$

C. $\text{Al}_2(\text{SO}_4)_3$



D. Al_2SO_4

Q27 General Abilities

Which of the following cities hosted the inaugural Kho Kho World Cup in January 2025?

A. Kolkata

B. Mumbai

C. New Delhi



D. Chennai

Q28 General Abilities

What is the purpose of the Collation option in the Print settings?

A. To select a custom print range

B. To print all the pages of a document as a set



C. To change the printer selection

D. To adjust the page orientation

Q29 General Abilities

If the absolute refractive index of a medium is less than 1, it means _____.

A. light travels faster in that medium than in vacuum



B. the medium absorbs all light

C. light travels slower in that medium than in vacuum

D. the medium is a perfect reflector



Q30 General Abilities

What happens when an acid reacts with a metal oxide?

- A. Only water is formed.
- B. A salt and water are formed. ✓
- C. A salt and hydrogen gas are formed.
- D. Only salt is formed.

Q31 General Abilities

What was the main objective of the Extremists during the Indian National Movement?

- A. To attain complete independence (Swaraj) ✓
- B. To expand the legislative councils
- C. To promote British goods in India
- D. To bring social reforms

Q32 General Abilities

Which Article provides Ministers the right to participate in parliamentary proceedings but without voting rights?

- A. Article 78
- B. Article 77
- C. Article 53
- D. Article 88 ✓

Q33 General Abilities

Dr. BR Ambedkar described which part of the Indian Constitution as its 'novel features', while Granville Austin referred to it as the 'Conscience of the Constitution'?

- A. Fundamental Rights
- B. Preamble
- C. Directive Principles of State Policy ✓
- D. Fundamental Duties

Q34 General Abilities

What is India's global military ranking in the 2025 Global Firepower (GFP) index?

- A. 4th ✓
- B. 3rd
- C. 5th
- D. 2nd

Q35 General Abilities

What is the shortcut key to start a slideshow from the beginning?

- A. Alt + Tab
- B. Ctrl + P
- C. Shift + F5
- D. F5 ✓

Q36 General Abilities

Why does a bee sting cause pain and irritation?

- A. The sting injects methanoic acid. ✓
- B. The sting contains a strong base.
- C. The sting injects a mild sugar solution.
- D. The sting releases carbon dioxide gas.

Q37 General Abilities

Which of the following is the correct way to insert a new column in a spreadsheet?

- A. Use Ctrl + Z to insert a column.
- B. Press Ctrl + X and then Insert.
- C. Go to Home > Insert > Insert Sheet Columns. ✓
- D. Go to File > New > Column.

Q38 General Abilities

Which of the following is NOT a component of a CPU?

- A. Cache Memory
- B. Arithmetic Logic Unit (ALU)
- C. Control Unit (CU)
- D. Hard Disk ✓

Q39 General Abilities

In an electric circuit, what is the correct way to connect an ammeter?

- A. In series with the component ✓
- B. In parallel with the component
- C. In parallel with the source
- D. In either series or parallel



Q40 General Abilities

What is the approximate pH of a neutral salt solution?

A. Equal to 7



B. More than 7

C. Depends on the temperature

D. Less than 7

Q41 General Abilities

Which of the following is NOT toxic to non-target organisms in the soil?

A. Herbicides

B. Pesticides

C. Fungicides

D. Organic fertilisers

**Q42 General Abilities**

What happens when a computer is put into Sleep mode?

A. It stores data on the hard drive and powers off.

B. It keeps the session active in RAM while using minimal power.



C. It restarts automatically after a few minutes.

D. It shuts down completely.

Q43 General Abilities

Which of the following CANNOT be considered as a measure to control global warming?

A. Cutting down use of fossil fuel

B. Reduction in emission of greenhouse gases

C. Causing deforestation



D. Efficiently using energy

Q44 General Abilities

Which state of matter shows the highest expansion when temperature is increased?

A. Plasma

B. Solids

C. Gases



D. Liquids

Q45 General Abilities

Which defect of vision occurs due to the weakening of ciliary muscles with age?

A. Astigmatism

B. Myopia

C. Hypermetropia

D. Presbyopia

**Q46 General Abilities**

What is the net force acting on an object if balanced forces are applied?

A. Equal to acceleration

B. Equal to the mass of the object

C. Infinite

D. Zero

**Q47 General Abilities**

What is the primary purpose of using a firewall on a Personal Computer?

A. To block unauthorised access and protect the computer



B. To increase storage space

C. To clean up temporary files

D. To speed up internet connectivity

Q48 General Abilities

Who among the following inaugurated the 38th National Games held in Dehradun in January 2025?

A. Pushkar Singh Dhami

B. Narendra Modi



C. Anurag Thakur

D. Droupadi Murmu

Q49 General Abilities

Which of the following is NOT a source of release of smokestacks?

A. Smelters

B. Industries

C. Rivers



D. Thermal power plants



Q50 General Abilities

If you want the primary recipient to see that others have received a copy of an email, you should enter their email addresses in the _____ field.

A. Bcc

B. Cc



C. To

D. Subject

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General Abilities

50 Questions • Answer Key

Q1 General Abilities

The method of storage of nuclear wastes is to be done in _____.

- A. bottles
- B. dustbins
- C. open containers
- D. shielded containers ✓

Q2 General Abilities

Which of the following is an effective way to prevent rancidity in packaged food?

- A. Storing in a warm place
- B. Adding antioxidants ✓
- C. Keeping it in direct sunlight
- D. Increasing moisture content

Q3 General Abilities

According to the Tendulkar methodology, what was the estimated national poverty line for rural areas in 2011-12?

- A. ₹1,000 per month
- B. ₹816 per month ✓
- C. ₹1,200 per month
- D. ₹512 per month

Q4 General Abilities

Which property of solids allows them to be compressed the least compared to liquids and gases?

- A. The ability to diffuse into other solids
- B. Strong intermolecular forces and close packing of particles ✓
- C. High intermolecular spaces
- D. High kinetic energy of particles

Q5 General Abilities

The melting of snow and ice caps from the polar regions is responsible for _____.

- A. rainfall
- B. the decline in sea levels
- C. the rise in sea levels ✓
- D. condensation

Q6 General Abilities

Which of the following is an example of database management software?

- A. MS Paint
- B. Microsoft Access ✓
- C. Notepad
- D. PowerPoint

Q7 General Abilities

What is the function of the Linux Shell?

- A. To execute user commands and act as an interface between the user and the kernel ✓
- B. To create and delete partitions
- C. To directly manage hardware resources
- D. To store user data

Q8 General Abilities

The speed of a wave is given by which of the following formulas?

- A. $\text{Speed} = \text{Frequency} \times \text{Wavelength}$ ✓
- B. $\text{Speed} = \text{Frequency} \times \text{Amplitude}$
- C. $\text{Speed} = \text{Amplitude} \times \text{Wavelength}$
- D. $\text{Speed} = \text{Time} \times \text{Frequency}$

Q9 General Abilities

Which of the following is a string instrument?

- A. Flute
- B. Shehnai
- C. Sitar ✓
- D. Tabla

Q10 General Abilities

_____ is the most efficient method used for the disposal of hospital-generated waste.

- A. Incinerator
- B. Open dumps
- C. Sanitary landfills ✓
- D. Furnace



Q11 General Abilities

Where is the magnetic field strength maximum around a magnet?

- A. At the centre of the magnet
- B. Equidistant from the poles
- C. At the poles of the magnet ✓
- D. At infinity

Q12 General Abilities

Which of the following is NOT an example of system software?

- A. macOS
- B. Linux
- C. Microsoft Word ✓
- D. Windows 10

Q13 General Abilities

The greenhouse gas that is known to contribute the least amount to global warming is _____.

- A. CFCs
- B. carbon dioxide
- C. methane
- D. nitrous oxide ✓

Q14 General Abilities

The effect of particulate matter which is a common air pollutant is maximally seen on the _____.

- A. liver
- B. lungs ✓
- C. intestines
- D. kidneys

Q15 General Abilities

The Montreal Protocol came into force in the year _____.

- A. 1992
- B. 1990
- C. 1989 ✓
- D. 1986

Q16 General Abilities

What are the sand dunes commonly found in the Indian Desert called?

- A. Barchans ✓
- B. Loess
- C. Moraines
- D. Cirques

Q17 General Abilities

Which dynasty was overthrown by Chandragupta Maurya to establish the Mauryan Empire?

- A. Kushan Dynasty
- B. Nanda Dynasty ✓
- C. Shunga Dynasty
- D. Gupta Dynasty

Q18 General Abilities

Which of the following economic estimators provided estimates of India's national and per capita income during the colonial period?

- A. Adam Smith
- B. Karl Marx
- C. John Maynard Keynes
- D. VKRV Rao ✓

Q19 General Abilities

If three resistors of $15\ \Omega$, $35\ \Omega$ and $50\ \Omega$ are connected in series to a 25-V battery, what is the current flowing in the circuit?

- A. 0.25 A ✓
- B. 1.5 A
- C. 4 A
- D. 2.88 A

Q20 General Abilities

Which of the following is an example of a chemical change?

- A. Curdling of milk ✓
- B. Freezing of water
- C. Tearing of paper
- D. Dissolution of sugar in water



Q21 General Abilities

Which of the following is NOT a file management task?

- A. Creating files
- B. Deleting files
- C. Browsing the internet ✓
- D. Renaming files

Q22 General Abilities

Which of the following is a zero waste procedure?

- A. Organic farming
- B. Inorganic farming
- C. Pest management
- D. Integrated organic farming ✓

Q23 General Abilities

Under the Delhi Sultanate what was the name of the state laws that grew under the monarchy, even if they violated the Shari'at?

- A. Fatwas
- B. Farman
- C. Zawabit ✓
- D. Iqta

Q24 General Abilities

If the area of contact increases while keeping the thrust constant, the pressure will _____.

- A. decrease ✓
- B. remain the same
- C. increase
- D. first increase, then decrease

Q25 General Abilities

The Indian Desert lies towards the western margins of which mountain range?

- A. Vindhya Hills
- B. Western Ghats
- C. Satpura Hills
- D. Aravali Hills ✓

Q26 General Abilities

Which of the following is NOT an example of an agrochemical?

- A. Fungicides
- B. Biogas ✓
- C. Herbicides
- D. Pesticides

Q27 General Abilities

What is the purpose of the 'BCC' field in an email?

- A. It hides recipients from each other. ✓
- B. It deletes an email after it is read.
- C. It marks an email as urgent.
- D. It allows recipients to see each others' addresses.

Q28 General Abilities

In December 2024, Jasprit Bumrah became the fastest Indian bowler to reach 200 Test wickets during which of the following series/tournament?

- A. India vs New Zealand Test Series
- B. Asia Cup
- C. Border-Gavaskar Trophy ✓
- D. India vs England Test Series

Q29 General Abilities

The Punjab Plain is formed by which river system?

- A. Indus and its tributaries ✓
- B. Ganga and its tributaries
- C. Narmada and its tributaries
- D. Brahmaputra and its tributaries

Q30 General Abilities

Two objects of masses 80 kg and 250 kg are placed 200 m apart. What is the gravitational force between them? ($G = 6.7 \times 10^{-11} \text{ N}\cdot\text{m}^2/\text{kg}^2$)

- A. $6.35 \times 10^{-11} \text{ N}$
- B. $3.35 \times 10^{-11} \text{ N}$ ✓
- C. $4.50 \times 10^{-11} \text{ N}$
- D. $5.75 \times 10^{-11} \text{ N}$



Q31 General Abilities

Which of the following best describes a heterogeneous mixture?

- A. The components cannot be separated.
- B. It contains only one phase.
- C. It has a uniform composition.
- D. The composition varies throughout the mixture. ✓

Q32 General Abilities

If the mass of an object is 74.5 kg, what is its approximate weight on Earth? (Take $g = 9.8 \text{ m/s}^2$)

- A. 447 N
- B. 7.6 N
- C. 730 N ✓
- D. 74.5 N

Q33 General Abilities

Which statement correctly explains why liquids can flow?

- A. Liquids have no intermolecular forces.
- B. Liquids have loosely packed molecules that slide past each other. ✓
- C. Liquids do not have kinetic energy.
- D. Liquid molecules move randomly without any restriction.

Q34 General Abilities

The Railways Employment of Members of the Armed Forces Act was passed in which of the following years?

- A. 1951
- B. 1962
- C. 1957
- D. 1965 ✓

Q35 General Abilities

A student calculates the formula unit mass of calcium fluoride (CaF_2). If the atomic masses of Ca and F are 40 u and 19 u, respectively, what is the correct formula unit mass?

- A. 78 u ✓
- B. 59 u
- C. 97 u
- D. 100 u

Q36 General Abilities

What happens when you use the 'Sort A to Z' option on a column containing text?

- A. The text is converted into numbers.
- B. The text remains unchanged.
- C. The text is sorted from Z to A.
- D. The text is sorted alphabetically from A to Z. ✓

Q37 General Abilities

What is the primary goal of application security?

- A. To increase the execution speed of applications
- B. To enhance the graphical user interface of applications
- C. To protect applications from security threats by identifying and fixing vulnerabilities ✓
- D. To reduce the size of application files

Q38 General Abilities

As per Article 78, it is the duty of the Prime Minister to communicate all decisions of the Council of Ministers to whom?

- A. President ✓
- B. Chief Justice of India
- C. Speaker of Lok Sabha
- D. Vice President

Q39 General Abilities

When were the 38th National Games held in Uttarakhand?

- A. February 1 - 20, 2025
- B. February 10 - 25, 2025
- C. January 28 - February 14, 2025 ✓
- D. January 15 - 30, 2025

Q40 General Abilities

In an experiment, 25 g of reactant A reacts with 35 g of reactant B to form 50 g of product C and some amount of product D. What is the mass of product D?

- A. 35 g
- B. 60 g
- C. 10 g ✓
- D. 25 g



Q41 General Abilities

The loss of forests, which is remarkably seen in the tropical areas of India, is around _____.

- A. 40% ✓
- B. 30%
- C. 10%
- D. 20%

Q42 General Abilities

The area termed as the ozone hole is known to mainly develop over _____.

- A. Africa
- B. India
- C. America
- D. Antartica ✓

Q43 General Abilities

Who among the following is NOT appointed by the President of India?

- A. Vice President ✓
- B. Comptroller and Auditor General
- C. Chief Election Commissioner
- D. Governors of States

Q44 General Abilities

Who among the following won the gold medal in the women's high jump event at the National Games in February 2025?

- A. Vithya Ramraj
- B. Abhinaya Shetty
- C. Pooja Singh ✓
- D. Swapna Barman

Q45 General Abilities

Which of the following is an example of a WAN?

- A. A home Wi-Fi network
- B. A university campus network
- C. The internet ✓
- D. A Bluetooth connection between a phone and a laptop

Q46 General Abilities

Which of the following metals is placed between aluminium and zinc in the reactivity series?

- A. Magnesium ✓
- B. Copper
- C. Iron
- D. Carbon

Q47 General Abilities

An object is placed 25 cm in front of a convex lens with a focal length of 15 cm. What is the magnification produced by the lens?

- A. $M = 2.5$
- B. $M = -2.5$
- C. $M = -1.5$ ✓
- D. $M = 1.5$

Q48 General Abilities

Which mouse pointer appears when adjusting column width / cell width in a table?

- A. ↕ (Vertical double-headed arrow)
- B. ↔ (Horizontal double-headed arrow) ✓
- C. I-beam (Text cursor)
- D. Hand cursor

Q49 General Abilities

In September 2024, which of the following Indian institutions was designated as the Thematic Hub for Quantum Computing under the National Quantum Mission?

- A. Indian Institute of Technology Kanpur
- B. Indian Institute of Technology Gandhinagar
- C. Indian Institute of Science Bengaluru ✓
- D. Indian Institute of Technology Madras

Q50 General Abilities

What is the typical range of a Local Area Network (LAN)?

- A. More than 50 km
- B. Up to 10 km
- C. Up to 1 km ✓
- D. Up to 5 km

