



RRB JE 2024 CBT-2 Electrical

Junior Engineer · Electrical 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 (Electrical Engineering)** examination in **English (General Abilities)** section only, with the correct option marked as per the official answer key.

✓ Correct option (highlighted green)

Paper short in the source: 04 Jun 2025 shift. Only 144 of its 150 questions are saved (General Abilities 47 of 50, Technical Abilities 97 of 100); the 6 missing questions are not in any edition we hold, so that set prints 144 questions. The two 22 Apr 2025 shifts are complete.

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

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

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

Q2 General Abilities

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

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

Q3 General Abilities

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

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

Q4 General Abilities

Who among the following established the Bengal Chemical Swadeshi Stores?

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

Q5 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. 20%
- B. 45%
- C. 16.67% ✓
- D. 25%

Q6 General Abilities

What is the primary function of a computer firewall?

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

Q7 General Abilities

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

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

Q8 General Abilities

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

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

Q9 General Abilities

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

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



Q10 General Abilities

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

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

Q11 General Abilities

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

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

Q12 General Abilities

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

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

Note on the key: answer shown as per the official RRB key (UV-B). Strictly, UV-C (100-280 nm) has the shortest wavelength and highest energy and damages DNA the most, but the ozone layer absorbs it; UV-B is the most harmful UV that reaches the Earth's surface and damages DNA (NCERT Class 12 Biology, 2014 reprint, Ch. 16 'Environmental Issues', p. 283).

Q13 General Abilities

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

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

Q14 General Abilities

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

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

Q15 General Abilities

A sound wave with a low frequency will have _____.

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

Q16 General Abilities

Which of the following correctly differentiates mixtures and compounds?

Feature

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

Q17 General Abilities

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

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

Q18 General Abilities

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

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



Q19 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. Navigation with Indian Constellation (NavIC) ✓
- D. Global Positioning System (GPS)

Q20 General Abilities

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

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

Q21 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. Jenoptik
- C. Schneider Kreuznach
- D. Carl Zeiss AG ✓

Q22 General Abilities

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

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

Q23 General Abilities

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

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

Q24 General Abilities

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

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

Q25 General Abilities

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

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

Q26 General Abilities

Which of the following options is NOT a greenhouse gas?

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

Q27 General Abilities

The atomic mass of sulphur is 32 u, and sulphur exists as S_8 molecules. What is the molecular mass of sulphur?

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

Q28 General Abilities

An alloy is considered a homogeneous mixture because:

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



Q29 General Abilities

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

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

Q30 General Abilities

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

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

Q31 General Abilities

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

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

Q32 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. -37.5 cm ✓
- C. -9.37 cm
- D. -10.0 cm

Q33 General Abilities

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

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

Q34 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

Q35 General Abilities

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

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

Q36 General Abilities

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

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

Q37 General Abilities

What does LAN stand for?

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

Q38 General Abilities

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

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



Q39 General Abilities

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

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

Q40 General Abilities

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

- A. F2 ✓
- B. F1
- C. F5
- D. F12

Q41 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. -50 D ✓
- D. 25 D

Q42 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

Q43 General Abilities

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

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

Q44 General Abilities

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

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

Q45 General Abilities

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

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

Q46 General Abilities

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

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

Q47 General Abilities

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

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

Q48 General Abilities

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

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



Q49 General Abilities

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

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



Q50 General Abilities

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

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



General Abilities

50 Questions • Answer Key

Q1 General Abilities

Inertia depends on which property of an object?

- A. Shape
- B. Acceleration
- C. Velocity
- D. Mass



Q2 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



Q3 General Abilities

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

- A. 4th
- B. 3rd
- C. 2nd
- D. 5th



Q4 General Abilities

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

- A. Efficiently using energy
- B. Reduction in emission of greenhouse gases
- C. Causing deforestation
- D. Cutting down use of fossil fuel



Q5 General Abilities

The maximum sound is generated _____.

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



Q6 General Abilities

The main use of chlorofluorocarbons is in _____.

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



Q7 General Abilities

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

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



Q8 General Abilities

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

- A. the medium is a perfect reflector
- B. light travels faster in that medium than in vacuum
- C. light travels slower in that medium than in vacuum
- D. the medium absorbs all light



Q9 General Abilities

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

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



Q10 General Abilities

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

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



Q11 General Abilities

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

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

Q12 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. 143 m/s
- B. 147 m/s ✓
- C. 145 m/s
- D. 149 m/s

Q13 General Abilities

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

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

Q14 General Abilities

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

- A. Smelters
- B. Industries
- C. Thermal power plants
- D. Rivers ✓

Q15 General Abilities

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

- A. To adjust the page orientation
- B. To print all the pages of a document as a set ✓
- C. To change the printer selection
- D. To select a custom print range

Q16 General Abilities

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

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

Q17 General Abilities

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

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

Q18 General Abilities

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

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

Q19 General Abilities

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

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

Q20 General Abilities

What happens when an acid reacts with a metal oxide?

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



Q21 General Abilities

What is the approximate pH of a neutral salt solution?

- A. More than 7
- B. Less than 7
- C. Depends on the temperature
- D. Equal to 7

**Q22 General Abilities**

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

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

**Q23 General Abilities**

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

- A. To clean up temporary files
- B. To speed up internet connectivity
- C. To block unauthorised access and protect the computer
- D. To increase storage space

**Q24 General Abilities**

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

- A. Pushkar Singh Dhami
- B. Droupadi Murmu
- C. Anurag Thakur
- D. Narendra Modi

**Q25 General Abilities**

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

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

**Q26 General Abilities**

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

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

**Q27 General Abilities**

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

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

**Q28 General Abilities**

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

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

**Q29 General Abilities**

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

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

**Q30 General Abilities**

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

- A. Using only free Wi-Fi networks
- B. Setting a password/PIN-protected lock screen
- C. Installing more apps
- D. Turning off mobile data



Q31 General Abilities

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

- A. Myopia
- B. Astigmatism
- C. Presbyopia ✓
- D. Hypermetropia

Q32 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. 25.7% ✓
- B. 27.5%
- C. 15.5%
- D. 20%

Q33 General Abilities

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

- A. Liquids
- B. Solids
- C. Plasma
- D. Gases ✓

Q34 General Abilities

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

- A. Kashmir ✓
- B. Sikkim
- C. Arunachal Pradesh
- D. Himachal Pradesh

Q35 General Abilities

What happens when a computer is put into Sleep mode?

- A. It keeps the session active in RAM while using minimal power. ✓
- B. It shuts down completely.
- C. It restarts automatically after a few minutes.
- D. It stores data on the hard drive and powers off.

Q36 General Abilities

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

- A. Al_2SO_4
- B. $\text{Al}_2(\text{SO}_4)_3$ ✓
- C. $\text{Al}(\text{SO}_4)_3$
- D. $\text{Al}_3(\text{SO}_4)_2$

Q37 General Abilities

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

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

Q38 General Abilities

Why does a bee sting cause pain and irritation?

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

Q39 General Abilities

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

- A. Repeats the last action
- B. Toggles between absolute and relative references ✓
- C. Refreshes the worksheet
- D. Opens the Find and Replace dialog

Q40 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. Fundamental Duties
- C. Directive Principles of State Policy ✓
- D. Preamble



Q41 General Abilities

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

- A. True solutions show the Tyndall effect, but colloids do not.
- B. True solutions exhibit Brownian motion, but colloids do not.
- C. True solutions have visible solute particles, whereas colloids have invisible dispersed particles.
- D. True solutions have a single-phase system, whereas colloids have a two-phase system. ✓

Q42 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. 20% of Lok Sabha strength
- B. 12% of Lok Sabha strength
- C. 15% of Lok Sabha strength ✓
- D. 10% of Lok Sabha strength

Q43 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 reduces the surface area of the clothes.
- C. Wind removes the water vapour from the clothes' surroundings. ✓
- D. Wind increases the humidity around the clothes.

Q44 General Abilities

What does PCB stand for?

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

Q45 General Abilities

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

- A. Equal to acceleration
- B. Zero ✓
- C. Equal to the mass of the object
- D. Infinite

Q46 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. Cc ✓
- B. To
- C. Subject
- D. Bcc

Q47 General Abilities

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

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

Q48 General Abilities

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

- A. New Delhi ✓
- B. Kolkata
- C. Mumbai
- D. Chennai

Q49 General Abilities

The practice of Jhum cultivation is prevalent in the _____.

- A. North east ✓
- B. South east
- C. South west
- D. North west

Q50 General Abilities

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

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



General Abilities

47 Questions • Answer Key

Q1 General Abilities

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

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

Q2 General Abilities

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

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

Q3 General Abilities

Which of the following is a string instrument?

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

Q4 General Abilities

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

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

Q5 General Abilities

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

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

Q6 General Abilities

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

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

Q7 General Abilities

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

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

Q8 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. Vice President
- B. President ✓
- C. Speaker of Lok Sabha
- D. Chief Justice of India

Q9 General Abilities

Which of the following is a zero waste procedure?

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

Q10 General Abilities

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

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



Q11 General Abilities

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

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

Q12 General Abilities

When were the 38th National Games held in Uttarakhand?

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

Q13 General Abilities

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

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

Q14 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 Science Bengaluru ✓
- B. Indian Institute of Technology Madras
- C. Indian Institute of Technology Gandhinagar
- D. Indian Institute of Technology Kanpur

Q15 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. Zawabit ✓
- B. Fatwas
- C. Iqta
- D. Farman

Q16 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 England Test Series
- B. India vs New Zealand Test Series
- C. Asia Cup
- D. Border-Gavaskar Trophy ✓

Q17 General Abilities

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

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

Q18 General Abilities

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

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

Q19 General Abilities

Which of the following best describes a heterogeneous mixture?

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

Q20 General Abilities

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

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



Q21 General Abilities

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

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

**Q22 General Abilities**

The Montreal Protocol came into force in the year _____.

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

**Q23 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. $M = 1.5$
- C. $M = 2.5$
- D. $M = -1.5$

**Q24 General Abilities**

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

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

**Q25 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. 2.88 A
- C. 1.5 A
- D. 4 A

**Q26 General Abilities**

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

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

**Q27 General Abilities**

What is the primary goal of application security?

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

**Q28 General Abilities**

The Punjab Plain is formed by which river system?

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

**Q29 General Abilities**

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

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

**Q30 General Abilities**

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

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



Q31 General Abilities

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

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

Q32 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. 10 g ✓
- B. 25 g
- C. 35 g
- D. 60 g

Q33 General Abilities

Which of the following is an example of a WAN?

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

Q34 General Abilities

Where is the magnetic field strength maximum around a magnet?

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

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

Q36 General Abilities

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

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

Q37 General Abilities

What is the function of the Linux Shell?

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

Q38 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. $4.50 \times 10^{-11} \text{ N}$
- C. $5.75 \times 10^{-11} \text{ N}$
- D. $3.35 \times 10^{-11} \text{ N}$ ✓

Q39 General Abilities

Which statement correctly explains why liquids can flow?

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

Q40 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. 74.5 N
- B. 447 N
- C. 7.6 N
- D. 730 N ✓



Q41 General Abilities

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

A. nitrous oxide



B. CFCs

C. carbon dioxide

D. methane

Q42 General Abilities

Which of the following is NOT a file management task?

A. Creating files

B. Deleting files

C. Renaming files

D. Browsing the internet

**Q43 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. Swapna Barman

D. Pooja Singh

**Q44 General Abilities**

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

A. bottles

B. dustbins

C. open containers

D. shielded containers

**Q45 General Abilities**

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

A. Aravali Hills



B. Satpura Hills

C. Vindhya Hills

D. Western Ghats

Q46 General Abilities

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

A. Nanda Dynasty



B. Shunga Dynasty

C. Kushan Dynasty

D. Gupta Dynasty

Q47 General Abilities

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

A. ↔ (Horizontal double-headed arrow)



B. I-beam (Text cursor)

C. Hand cursor

D. ↑↓ (Vertical double-headed arrow)



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