



RRB JE 2024 CBT-2 Electronics

Junior Engineer · Electronics Engineering · CEN 03/2024 · CBT-2 · General Abilities — Topic-wise

English

31 Chapters · 149 Questions · Official Answer Key

About this Compilation

Every **General Abilities** question asked across all 3 shifts of the **RRB JE 2024 CBT-2 (Electronics Engineering)** examination (CEN 03/2024), regrouped by **chapter** instead of by shift, so you can revise one topic end to end. The correct option is marked as per the official answer key.

1 duplicate questions removed. RRB repeated these word-for-word across different shifts. They appear once here, so a chapter never prints the same question twice - the complete and section-wise books still carry every occurrence.

How to use

- Use the **Index** to jump to any chapter (clickable).
- Within a chapter, questions on the same idea are placed together.
- The correct answer is highlighted in green with a tick.
- The same paper is also available complete and section-wise.



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Q1 Brahmaputra bridges

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

A. Dholā-Sadiya Bridge



B. Mahatma Gandhi Setu

C. Howrah Bridge

D. Pamban Bridge



Q1 Ammeter connection

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

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

**Q2** Convex lens

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. -9.37 cm
- D. -37.5 cm

**Q3** Convex lens

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

**Q4** Electric heating

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

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

**Q5** Free fall

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

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

**Q6** Gravitation

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

**Q7** Inertia

Inertia depends on which property of an object?

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

**Q8** Kinetic energy

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. $s = ut + \frac{1}{2}at^2$

**Q9** Kinetic energy

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

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

**Q10** Lens power

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

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



Q11 Magnetic field

Where is the magnetic field strength maximum around a magnet?

A. At the poles of the magnet ✓

B. At the centre of the magnet

C. Equidistant from the poles

D. At infinity

Q12 Newton laws

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

A. Infinite

B. Equal to the mass of the object

C. Equal to acceleration

D. Zero ✓

Q13 Pressure

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

A. first increase, then decrease

B. decrease ✓

C. increase

D. remain the same

Q14 Refractive index

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

A. the medium is a perfect reflector

B. light travels slower in that medium than in vacuum

C. the medium absorbs all light

D. light travels faster in that medium than in vacuum ✓

Q15 Series circuit current

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. 4 A

C. 2.88 A

D. 1.5 A

Q16 Sound reverberation

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

A. refraction

B. resonance

C. diffraction

D. reverberation ✓

Q17 Sound waves

A sound wave with a low frequency will have _____.

A. a low pitch ✓

B. a high pitch

C. a short wavelength

D. a low amplitude

Q18 Uniform motion

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. non-uniform motion

D. uniform motion ✓

Q19 Wave speed

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

A. Speed = Frequency $\times$ Wavelength ✓

B. Speed = Time $\times$ Frequency

C. Speed = Frequency $\times$ Amplitude

D. Speed = Amplitude $\times$ Wavelength

Q20 Weight and mass

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 ✓



Q1 Acids and bases

What happens when an acid reacts with a metal oxide?

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

Q2 Atomic number

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

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

Q3 Bee sting acid

Why does a bee sting cause pain and irritation?

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

Q4 Chemical change

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

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

Q5 Chemical formulae

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

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

Q6 Chemical formulae

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

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

Q7 Colloids

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

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

Q8 Conservation of mass

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

Q9 Covalent compound properties

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

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



Q10 Evaporation matter

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

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

Q11 Formula unit mass

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

Q12 Mass percent solution

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%

Q13 Metal properties

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

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

Q14 Mixtures and alloys

An alloy is considered a homogeneous mixture because:

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

Q15 Mixtures and alloys

Which of the following best describes a heterogeneous mixture?

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

Q16 Mixtures vs compounds

Which of the following correctly differentiates mixtures and compounds?

Feature

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

Q17 Molecular mass

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

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

Q18 Rancidity

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

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

Q19 Reactivity series

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

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



Q20 States of matter

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

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

**Q21 States of matter**

Which statement correctly explains why liquids can flow?

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

**Q22 States of matter**

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

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

**Q23 pH and acids**

What is the approximate pH of a neutral salt solution?

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

**Q24 pH and acids**

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



Q1 Eye defects

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

A. Presbyopia



B. Hypermetropia

C. Astigmatism

D. Myopia

Q2 Respiration

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

A. respiration



B. excretion

C. osmoregulation

D. digestion



Computer Awareness

2 Questions • Answer Key

Q1 Computer power modes

What happens when a computer is put into Sleep mode?

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

Q2 File management

Which of the following is NOT a file management task?

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



Computer Awareness

3 Questions • Answer Key

Q1 CPU components

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)

Q2 PCB hardware

What does PCB stand for?

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

Q3 RAM types

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

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



Computer Awareness

11 Questions • Answer Key

Q1 Database software

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

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

Q2 Excel formulas

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

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

Q3 Excel formulas

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

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

Q4 Excel sorting

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

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

Q5 Linux shell

What is the function of the Linux Shell?

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

Q6 Operating systems

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

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

Q7 PowerPoint features

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

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

Q8 Print settings

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

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

Q9 Spreadsheet columns

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

Q10 System software

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

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



Q11 Table formatting

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

A. ↔ (Horizontal double-headed arrow)



B. Hand cursor

C. I-beam (Text cursor)

D. ↑↓ (Vertical double-headed arrow)

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Computer Awareness

9 Questions • Answer Key

Q1 Email features

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. Bcc
- C. To
- D. Subject

Q2 Email features

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

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

Q3 Email features

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

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

Q4 Firewall function

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

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

Q5 Firewall function

What is the primary function of a computer firewall?

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

Q6 Firewall function

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

Q7 LAN basics

What does LAN stand for?

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

Q8 LAN basics

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

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

Q9 WAN basics

Which of the following is an example of a WAN?

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



Computer Awareness

3 Questions • Answer Key

Q1 Excel shortcut keys

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

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

Q2 Function keys

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

- A. F12
- B. F1
- C. F5
- D. F2 ✓

Q3 PowerPoint shortcuts

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

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



Q1 Application security

What is the primary goal of application security?

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

Q2 Mobile security

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

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



Q1 Global capability centre

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



Q1 NavIC satellite

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

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

Q2 Quantum Mission

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

Q3 Undersea cable

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



Current Affairs

7 Questions • Answer Key

Q1 BCCI Naman Awards

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

A. Smriti Mandhana



B. Jhulan Goswami

C. Harmanpreet Kaur

D. Mithali Raj

Q2 Bumrah Test record

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. Border-Gavaskar Trophy



C. Asia Cup

D. India vs England Test Series

Q3 Kho Kho World Cup

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

A. Mumbai

B. New Delhi



C. Kolkata

D. Chennai

Q4 National Games 2025

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

A. Droupadi Murmu

B. Pushkar Singh Dhami

C. Narendra Modi



D. Anurag Thakur

Q5 National Games 2025

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

A. Abhinaya Shetty

B. Swapna Barman

C. Pooja Singh



D. Vithya Ramraj

Q6 National Games 2025

When were the 38th National Games held in Uttarakhand?

A. January 15 - 30, 2025

B. February 1 - 20, 2025

C. January 28 - February 14, 2025



D. February 10 - 25, 2025

Q7 Para athletics record

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



Q1 Gupta administration

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

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

Q2 Mauryan period

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

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

Q3 Mauryan period

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

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



Q1 Delhi Sultanate laws

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. Iqta
- B. Zawabit ☒
- C. Fatwas
- D. Farman



Q1 Extremists objective

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

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

Q2 Swadeshi movement

Who among the following established the Bengal Chemical Swadeshi Stores?

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



Q1 Himalayan ranges

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

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

Q2 Himalayan ranges

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

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

Q3 Indian desert

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

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

Q4 Indian plains

The Punjab Plain is formed by which river system?

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

Q5 Jhum cultivation

The practice of Jhum cultivation is prevalent in the _____.

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



Q1 Desert landforms

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

A. Moraines

B. Loess

C. Barchans



D. Cirques



Q1 Council of Ministers

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

Q2 Directive Principles

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

Q3 Directive Principles

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

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

Q4 Ministers rights

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

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

Q5 President ordinance power

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 ✓

Q6 President powers

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

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

Q7 Presidential appointments

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

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

Q8 Prime Minister duties

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. Vice President
- D. Speaker of Lok Sabha



Q1 Railways Act

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

A. 1951

B. 1965



C. 1957

D. 1962



Indian Economy

6 Questions • Answer Key

Q1 Economic sectors

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

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



Q2 Green Revolution

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

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



Q3 Industrial Policy 1956

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

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



Q4 National income estimation

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

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



Q5 Tendulkar poverty line

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

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



Q6 Tendulkar poverty line

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

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



Q1 Hindustani music

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

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

Q2 Hindustani music

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

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

Q3 String instruments

Which of the following is a string instrument?

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



Environment & Ecology

9 Questions • Answer Key

Q1 CFC and ozone

The main use of chlorofluorocarbons is in _____.

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

**Q2 CFC and ozone**

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

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

**Q3 Global warming control**

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

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

**Q4 Global warming effects**

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

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

**Q5 Global warming effects**

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

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

**Q6 Greenhouse effect**

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

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

**Q7 Greenhouse gases**

Which of the following options is NOT a greenhouse gas?

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

**Q8 Greenhouse gases**

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

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

**Q9 UV radiation ozone**

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



Q1 Chipko movement

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

A. Garhwal Himalayas



B. Delhi

C. Gujarat

D. Assam

Q2 Deforestation

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

A. 30%

B. 40%



C. 20%

D. 10%



Q1 Biomagnification

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

A. organochlorine

B. chlorine

C. DDT



D. phosphates



Q1 Environment Protection Act

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

A. 1984

B. 1986



C. 1992

D. 1972

Q2 Environmental conferences

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

A. France

B. Canada

C. Sweden



D. United States

Q3 Montreal Protocol

The Montreal Protocol came into force in the year _____.

A. 1989



B. 1992

C. 1990

D. 1986



Q1 Agrochemical soil toxicity

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

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

Q2 Agrochemicals

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

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

Q3 Air pollution effects

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

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

Q4 Air pollution sources

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

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

Q5 Noise pollution

The maximum sound is generated _____.

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

Q6 Nuclear waste

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

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

Q7 Nuclear waste

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

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

Q8 Plastic waste

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

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

Q9 Sewage decomposition

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

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

Q10 Solid waste

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

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



Q11 Solid waste

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

A. Furnace

B. Sanitary landfills



C. Incinerator

D. Open dumps

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Q1 Nuclear energy

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

A. geothermal energy

B. solar energy

C. thermal energy

D. nuclear energy



Q1 Millennium Development Goals

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

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

**Q2** Zero waste

Which of the following is a zero waste procedure?

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



Q1 Atal Bhujal Yojana

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

A. Rajasthan

B. Jharkhand



C. Maharashtra

D. Uttar Pradesh



Q1 Global Firepower index

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

A. 5th

B. 3rd

C. 2nd

D. 4th

