रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD
सीईएन ०२/२०२६ - तकनीशियन ग्रेड। सिगनल और तकनीशियन ग्रेड III
CEN 02/2026 - Technician Grade I Signal and Technician Grade III

सत्यमेव जयते

Test Date	06/10/2026
Test Time	4:30 PM - 6:00 PM
Subject	RRB Technician Grade III

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

1. Options shown in green color with a tick icon are correct.
2. Chosen option on the right of the question indicates the option selected by the candidate.

Section : **Mathematics**

Q.1 **The 6-digit number A678B3 is divisible by 3. Find the least possible value of (A+B).**

Ans A). 1 | B). 4 | C). 7 | D). 3 — **Correct Answer: D**

Q.2 **In a logistics network, the numbers of parcels delivered respectively by Hub X and Hub Y are in the ratio 13 : 21. If Hub X delivers 160 more parcels and Hub Y delivers 240 more parcels, the ratio becomes 15 : 23. How many parcels were originally delivered by Hub X?**

Ans A). 85 | B). 65 | C). 75 | D). 55 — **Correct Answer: B**

Q.3 **Three solid spheres each of radius 7 cm are melted to form a cylinder of radius 7 cm. What is the height of the cylinder?**
$\left(\text{Take } \pi = \frac{22}{7}\right)$

Ans A). 30 cm | B). 28 cm | C). 32 cm | D). 34 cm — **Correct Answer: B**

Q.4 **A, B, and C can complete a project alone in 12 days, 18 days, and 24 days, respectively. If they all work together for 4 days, what fraction of the project will remain incomplete?**

Ans A). $\frac{13}{18}$ | B). $\frac{1}{18}$ | C). $\frac{11}{18}$ | D). $\frac{5}{18}$ — **Correct Answer: D**

Q.5 **A principal of ₹25,000 is invested at 16% per annum. What is the difference in the compound interest earned after 1.5 years if the interest is compounded annually and semi-annually, respectively?**

Ans A). ₹164.80 | B). ₹178.80 | C). ₹172.80 | D). ₹168.80 — **Correct Answer: C**

Q.6 **In a 1452 m circular race, Raman finishes one round in 33 seconds and Mohan finishes one round in 66 seconds. How many different meeting points are there on circumference if they are running in a same direction?**

Ans A). 5 | B). 4 | C). 6 | D). 1 — **Correct Answer: D**

Q.7 **If 20% of k is 10 less than 2400% of 10, then k is:**

Ans A). 1130 | B). 1150 | C). 1190 | D). 1110 — **Correct Answer: B**

Q.8 A and B made the decision to launch a joint venture. It was decided that A and B will divide the profit in the ratio 2:X. If B's profit share is ₹5976 and the overall profit at the end of the year is ₹9960, then the value of X is:

Ans A). 5 B). 7 C). 3 D). 1

Correct Answer: C

Q.9 Four years ago from now, Aman was 9 times as old as Chaman. After 4 years from now, he will be 5 times as old as Chaman will then be. The present age of Aman (in years) is:

Ans A). 76 B). 77 C). 79 D). 82

Correct Answer: A

Q.10 Find the compound interest on ₹2,000 at 20% per annum for 18 months when interest is compounded half-yearly.

Ans A). ₹679 B). ₹662 C). ₹670 D). ₹650

Correct Answer: B

Q.11 The modal class of the following grouped frequency distribution is 30–40, and the mode is 35.

Class Interval	10–20	20–30	30–40	40–50	50–60
Frequency	4	x	16	y	8

If the total frequency is 50, what are the values of x and y, respectively?

Ans A). 12 and 10 B). 8 and 14 C). 11 and 11 D). 14 and 8

Correct Answer: C

Q.12 A man travels from place A to place B at a speed of 10 m/s in X minutes. He than moves from place B to C with a speed of 45 km/hr in Y minutes. If the ratio of the times X and Y is 2:3, then the average speed of the whole journey is:

Ans A). 40 km/hr B). 41.4 km/hr C). 43.5 km/hr D). 42 km/hr

Correct Answer: B

Q.13 If $\frac{1+\cos A}{1-\cos A} = \left(\frac{m}{n}\right)^2$, then find the value of $\operatorname{cosec} A - \cot A$.

Ans A). $m - n$ B). $m + n$ C). mn D). $\frac{n}{m}$

Correct Answer: D

Q.14 Jahanvi bought a toy for ₹374, decorated it at a cost of ₹11, and sold the toy for ₹140. Find the loss or gain percentage.

Ans A). $700\%\ loss$ B). $\frac{710}{11}\%\ profit$ C). $\frac{700}{11}\%\ loss$ D). $\frac{700}{11}\%\ profit$

Correct Answer: C

Q.15 The sum of Riya's age and twice Ayushi's age is 29 years. Riya's father is five times as old as Riya, and Ayushi's brother is 2 years older than Ayushi. The sum of the ages of Riya's father and Ayushi's brother is 48 years. Find the sum of the ages (in years) of Ayushi and Riya.

Ans A). 23 B). 18 C). 21 D). 14

Correct Answer: B

Q.16 A school organised a science exhibition where projects were evaluated out of 50 marks. The average score of Physics projects was 42 and that of Computer Science projects was 46. If the overall average score of all 40 projects was 44.5, find the number of Physics projects presented in the exhibition.

Ans A). 14 B). 18 C). 15 D). 12

Correct Answer: C

Q.17 A man has invested ₹57500 at a rate of 6% per annum simple interest for 3 years. Find the amount (in ₹) that he will receive after 3 years.

Ans A). 10350 B). 11350 C). 68850 D). 67850

Correct Answer: D

Q.18 The ratio of the length, the breadth, and the height of a closed cuboid is given as 4 : 3 : 2, and the height of this cuboid is given as 14 cm. Find the total surface area (in cm^2) of the cuboid.

Ans A). 2598 B). 2498 C). 2548 D). 2528

Correct Answer: C

Q.19 In ΔRST, $RS = 12$ cm, $ST = 10$ cm, $\angle RST = 50^\circ$, and $\angle SRT = (3y)^\circ$. In another ΔUVW, $UV = 12$ cm, $VW = 10$ cm, $\angle UVW = 50^\circ$, and $\angle VUW = (2y + 20)^\circ$. What is the measure of the $\angle VWU$?

Ans A). 60° B). 80° C). 70° D). 50°

Correct Answer: C

Q.20 **By selling a shirt at ₹3600, a shopkeeper earned 20% profit. The cost price of the shirt was:**

Ans A). ₹3000 B). ₹2800 C). ₹3200 D). ₹2880

Correct Answer: A

Q.21 **The average sale of cars by a dealer per day in the month of March, other than on Saturdays and Sundays, is 177. The average sale of cars per day on Sundays is 151. What is the average sale of cars per day on Saturdays, if the first Saturday is on the 3rd of March and average sale of cars per day for the whole month is 148?**

Ans A). 17 B). 19 C). 18 D). 23

Correct Answer: C

Q.22 **A store offers a "Buy 5 Get 2a free" scheme along with a trade discount of 10%. If the effective discount given to the customer is 50%, what is the value of a?**

Ans A). 3 B). 2 C). 4 D). 1

Correct Answer: B

Q.23 **A pole casts a shadow of 12 m when a 1.5 m tall boy casts a shadow of 2 m at the same time. The height of the pole is:**

Ans A). 12 m B). 9 m C). 6 m D). 15 m

Correct Answer: B

Q.24 **Pipes A and B can fill a cistern in 12 hours, Pipes B and C can fill it in 14 hours and Pipes C and A can fill it in 15 hours. All three are opened together for 6 hours, then Pipes B and C are closed and Pipe A continues alone. Find the time taken by Pipe A to fill the remaining part of the cistern.**

Ans A). $9\frac{5}{13}$ hours B). $6\frac{3}{5}$ hours C). $7\frac{4}{9}$ hours D). $8\frac{6}{11}$ hours

Correct Answer: D

Q.25 **What is the least number that should be added to 91 so that the result is coprime with 60?**

Ans A). 5 B). 4 C). 6 D). 3

Correct Answer: C

Section : **General Intelligence and Reasoning**

Q.26 **Mr. Riek starts from Point A and walks 6 km towards South. He then takes a left turn, walks 9 km, turns left and walks 16 km. He then takes a left turn and walks 18 km. He takes a final left turn, walks 10 km and stops at Point P. How far (shortest distance) and towards which direction should he walk in order to reach Point A again? (All turns are 90 degrees turns only unless specified)**

Ans A). 8 km to the north B). 10 km to the west C). 7 km to the south D). 9 km to the east

Correct Answer: D

Q.27 **A question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.**

Question:
Among 5 poles, W, O, K, G and Y each having a different height, which pole is the tallest?

Statements:
I. K is taller than only one pole. G is shorter than O but taller than W.
II. G is taller than Y.

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

B). Data in Statement I alone is sufficient to answer the question while data in statement II is not

C). Data in Statement II alone is sufficient to answer the question while data in statement I is not

D). Both statements I and II together are NOT sufficient to answer the question

Correct Answer: A

Q.28 **Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans A). GFI B). HFJ C). IGK D). XVZ

Correct Answer: A

Q.29 **Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which is the one that does not belong to that group?**
(Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster.)

Ans A). UV - WX B). PQ - SU C). LM - OQ D). EF - HJ

Correct Answer: A

Q.30 **Select the pair which follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**
ACB−CED
WYX−YAZ

Ans A). HIG−JLK B). HJI−JLK C). HJI−ILJ D). HIG−IKJ

Correct Answer: B

Q.31 **Refer to the following letter series and answer the question. Counting to be done from left to right only.**
(Left) H Y B V F B J I N U H O V E X G V C T E R K B M (Right)
How many such consonants are there each of which is immediately preceded by a vowel and also immediately followed by a vowel?

Ans A). Two B). Three C). One D). None

Correct Answer: B

Q.32 **24 is related to 96 following a certain logic. Following the same logic, 28 is related to 112. To which of the following is 36 related, following the same logic?**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans A). 156 B). 132 C). 168 D). 144

Correct Answer: D

Q.33 **What should come in place of '?' in the given series?**
11 13 20 22 29 31 ?

Ans A). 37 B). 38 C). 33 D). 35

Correct Answer: B

Q.34 **The position(s) of how many letters will remain unchanged if each letter in the word HISTORY is arranged in alphabetical order?**

Ans A). One B). Three C). Two D). None

Correct Answer: B

Q.35 **Each of the digits in the number 3147958 is arranged in ascending order from left to right. The position of how many digits will remain unchanged as compared to that in the original number?**

Ans A). Three B). One C). Two D). More than three

Correct Answer: B

Q.36 **In this question, a group of number/symbol is coded using letter codes as per the codes given below and the conditions which follow. The correct combination of codes following the conditions is your answer. If none of the conditions follow, then codes for the respective Number/Symbol are to be followed directly as given in the table.**

Number/symbol	2	@	8	#	5	%	1	&	7	$	4	+	9	6
Code	B	M	U	R	K	T	H	F	P	D	A	L	W	Q

Conditions –
(i) If the first element is a symbol, code the third element as ©.
(ii) If the second element is a symbol, code the fifth element as ©.
(iii) If the fourth element is a symbol, code the first element as ©.

What is the code for the following group of number-symbols?
4@951

Ans A). AM©KH B). ©MWKH C). AMWKH D). AMWK©

Correct Answer: D

Q.37 A, B, C, D, E and F live on six different floors of the same building. The lowermost floor in the building is numbered 1, the floor above it, number 2 and so on till the topmost floor is numbered 6.
D lives on an odd numbered floor but not 3. The sum of floors on which A and D live is 4. Only 3 people live between C and E. F lives immediately above B. The sum of floors on which B and C live is 10.
What is the sum of floors on which A and E live?

Ans A). 6 B). 8 C). 5 D). 7

Correct Answer: C

Q.38 In a certain code language, 'SHOE' is coded as '2516' and 'ROSE' is coded as '7126'.
What is the code for 'R' in the given code language?

Ans A). 1 B). 5 C). 6 D). 7

Correct Answer: D

Q.39 In a certain code language, 'fan dust mop' is coded as ' cs mz so' and 'fog mop tune' is coded as 'mz gi oz'. How is 'mop' coded in the given language?

Ans A). cs B). gi C). mz D). so

Correct Answer: C

Q.40 What should come in place of '?' in the given series?

64 32 16 8 4 ?

Ans A). 1 B). 2 C). 4 D). 3

Correct Answer: B

Q.41 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+', and 'D' stands for '–', what will come in place of the question mark (?) in the following equation?
12 B 3 D 24 A 4 C 2 = ? D 8

Ans A). 30 B). 40 C). 60 D). 50

Correct Answer: B

Q.42 Refer to the following letter, symbol series and answer the question.
(Left) F & I T @ J Y C * A # U K L P $ B M (Right)
If all the symbols are dropped from the series, which of the following will be sixth from the right?

Ans A). P B). U C). B D). K

Correct Answer: B

Q.43 In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.

Among 5 poles, B, F, R, T and X each having a different height, which pole is the tallest?

(I) B is taller than T but shorter than X. B is shorter than only one pole.
(II) T is taller than F.

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

Correct Answer: A

Q.44 Seven boxes M, N, O, P, Q, R and S are kept one over the other but not necessarily in the same order. Only two boxes are kept between Q and O. Only N is kept above P. No box is kept below O. S is kept at some place below R but at some place above M. Which box is kept third above M?

Ans A). P B). R C). N D). O

Correct Answer: B

Q.45 A, B, C, D, E, F, G sit in a row with their face towards NORTH direction. E sits at the extreme left end. There are only two people between A and C. C sits between F and D. B sits between E and F. G sits to the immediate left of A. Who sits at the extreme right end of the row?

Ans A). E B). D C). C D). A

Correct Answer: D

Q.46 What should come in place of ? in the given series based on the English alphabetical order?

DEF, GHI, JKL, MNO, ?

Ans A). OPQ B). QRS C). PQR D). NML

Correct Answer: C

Q.47 **Select the pair that follows the same pattern as that followed by the two pairs given below. Both pairs follow the same pattern.**

STV−XYA
QRT−VWY

Ans A). FGI−JLM B). FGI−KLN C). FFG−KLN D). FFG−JKM

Correct Answer: B

Q.48 **If the letters of the word JOURNEY are arranged in the English alphabetical order, what is the difference in the alphabetical positions (in the English alphabet) between the first and last letters of the new arrangement?**

Ans A). 20 B). 5 C). 15 D). 10

Correct Answer: A

Q.49 **If 'A' stands for '÷' , 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-' , what will come in place of question mark '?' in the following equation?**

15 B 3 D 35 A 5 C 12 = ?

Ans A). 57 B). 45 C). 52 D). 50

Correct Answer: D

Q.50 **Anita is the wife of Suresh. Suresh is the brother of Mahesh. Mahesh is the son of Harish. Harish is the father of Kavya. How is Anita related to Kavya?**

Ans A). Brother's wife B). Daughter C). Brother's daughter D). Wife

Correct Answer: A

Section : **General Science**

Q.51 **An object is moving with uniform velocity, and a force acts in the opposite direction to stop it. What is the sign of the work done by this force?**

Ans A). Negative, because the force opposes the motion B). Positive, because the object is moving
C). Zero, because the object is initially moving D). Positive, because work is always positive

Correct Answer: A

Q.52 **Which statement explains a key difference between mitosis and meiosis in the context of cell division?**

Ans A). Both mitosis and meiosis reduce the chromosome number by half.
B). Mitosis occurs in somatic cell, while meiosis occurs in germ cells. C). Both mitosis and meiosis produce cells with identical genetic material.
D). Both mitosis and meiosis create four new cells from one parent cell.

Correct Answer: B

Q.53 **A person with hypermetropia (farsightedness) is prescribed a lens to correct their vision. Which type of lens and action is used in their spectacles?**

Ans A). Concave lens; diverging action B). Concave lens; converging action C). Convex lens; diverging action
D). Convex lens; converging action

Correct Answer: D

Q.54 **Which of the following is the correct reason for using a convex mirror as a security mirror in malls?**

Ans A). It converges the light falling on it. B). It forms an inverted image. C). It forms a real and enlarged image.
D). It forms an erect and diminished image.

Correct Answer: D

Q.55 **Which blood vessels have extremely thin walls to allow the exchange of materials between the blood and surrounding tissue cells?**

Ans A). Capillaries B). Veins C). Vena cava D). Arteries

Correct Answer: A

Q.56 **A student is given a mixture of sand, salt, and water. Which sequence of steps would best separate all components to obtain pure sand and pure salt?**

Ans A). Heat the mixture and decant the liquid B). Filter the mixture, then evaporate the water from the filtrate
C). Use a magnet, then cool the mixture D). Cool the mixture, then filter the solution

Correct Answer: B

Q.57 **Which of the following methods is NOT applied for disposal of nonbiodegradable substances?**

Ans A). Making Compost B). Recycle C). Landfilling D). Reuse

Correct Answer: A

Q.58 Which organelle in a plant cell is mainly responsible for photosynthesis?

Ans A). Mitochondria B). Ribosome C). Nucleus D). Chloroplast

Correct Answer: D

Q.59 What is the first step in balancing a chemical equation?

Ans A). Mentioning physical states of substances B). Writing the correct skeletal equation C). Equalising charges on both sides D). Adding coefficients to hydrogen first

Correct Answer: B

Q.60 A block is at rest on a frictionless surface. When a constant force is applied for a certain period, the block moves with a final velocity. What inference about the block's motion is supported by Newton's laws?

Ans A). The block's velocity increases uniformly as long as the force is applied

B). The block's velocity remains unchanged regardless of the force C). The block's velocity fluctuates randomly during force application

D). The force only alters the block's direction but not its speed

Correct Answer: A

Q.61 Which subatomic particle carries a negative charge in an atom?

Ans A). Electron B). Neutron C). Proton D). Positron

Correct Answer: A

Q.62 A train moves 60 km at 30 km/h, halts for 1h, and then covers 90 km at 45 km/h. What is the average speed over the entire journey?

Ans A). 50 km/h B). 40 km/h C). 30 km/h D). 20 km/h

Correct Answer: C

Q.63 A straight conductor carrying current is placed in a uniform magnetic field. If the direction of current is reversed while keeping the field unchanged, how will the direction of force on the conductor change?

Ans A). The force becomes zero because the current changes its direction.

B). The force acts in the opposite direction, while its magnitude remains unchanged.

C). The force acts in the same direction, but its magnitude decreases.

D). The force acts in the opposite direction, but its magnitude becomes greater.

Correct Answer: B

Q.64 Which of these examples best illustrates that work is not done according to physics?

Ans A). A student lifts a book onto a shelf B). A person pulls a cart along a road C). A person holds a bag without moving it D). A child pushes a box across the floor

Correct Answer: C

Q.65 Which sequence correctly matches each bacterium to its primary role in the nitrogen cycle: nitrogen fixation, nitrification and denitrification?

Ans A). Azotobacter - denitrification, Nitrobacter - nitrogen fixation, Pseudomonas - nitrification

B). Azotobacter - nitrogen fixation , Nitrobacter - denitrification, Pseudomonas - nitrification

C). Azotobacter - nitrogen fixation, Nitrobacter - nitrification, Pseudomonas - denitrification

D). Azotobacter - nitrification, Nitrobacter - denitrification, Pseudomonas - nitrogen fixation

Correct Answer: C

Q.66 If a 3 A current is flowing per minute through a cross – section of a conductor, how charge flows through it?

Ans A). $180.0\ C$ B). $3.0\ C$ C). $60.0\ C$ D). $90.0\ C$

Correct Answer: A

Q.67 Which description best represents Thomson's atomic model?

Ans A). Electrons are embedded in a positively charged sphere B). An atom has a nucleus composed only of protons C). Electrons revolve in circular orbits around nucleus D). An atom is a solid neutral sphere without particles

Correct Answer: A

Q.68 Which of the following explains why offsprings produced through sexual reproduction in animals are usually not identical to their parents?

Ans A). It combines genetic material from two distinct parents B). It passes on traits from only the dominant parent C). It always produces genetically identical gametes D). It involves only one parent and no genetic mixing

Correct Answer: A

Q.69 In the electrolytic refining of copper, which material is used as the cathode?

Ans A). Pure copper B). Impure copper C). Carbon rod D). Silver rod

Correct Answer: A

Q.70 A student is asked to design an experiment using a concave mirror to locate its principal focus. She position a parallel beam of light to strike the mirror and observe the reflected rays meeting at a point. How should this point be described in the context of the mirror's features?

Ans A). It is the principal focus of the concave mirror B). It is the center of curvature of the mirror C). It is the pole of the concave mirror D). It is a random point on the principal axis

Correct Answer: A

Q.71 If two objects have velocity-time graphs that are both straight lines parallel to the time axis but at different heights, what does this indicate about the two objects?

Ans A). Both are accelerating at the same rate B). Both have uniform velocities, but different magnitudes C). Both are moving with the same velocity D). Both are at rest throughout the interval

Correct Answer: B

Q.72 How do the respiratory and circulatory systems work together during exercise?

Ans A). Blood carries oxygen from lungs to muscles B). Carbon dioxide is used for energy production C). The heart absorbs oxygen from the lungs D). Muscles send oxygen back to the lungs

Correct Answer: A

Q.73 The balanced word equation for the reaction between magnesium carbonate and hydrochloric acid is:

Ans A). Magnesium carbonate plus hydrochloric acid gives magnesium hydroxide and water
B). Magnesium carbonate plus hydrochloric acid gives magnesium oxide and hydrogen
C). Magnesium carbonate plus hydrochloric acid gives magnesium sulfate and oxygen
D). Magnesium carbonate plus hydrochloric acid gives magnesium chloride, carbon dioxide, and water

Correct Answer: D

Q.74 A sample of ammonia (NH_3) contains 12 molecules. How many nitrogen atoms are present in the sample?

Ans A). 3 nitrogen atoms B). 24 nitrogen atoms C). 12 nitrogen atoms D). 36 nitrogen atoms

Correct Answer: C

Q.75 In a distance-time graph, if the curve is NOT a straight line, then it represents _____.

Ans A). non-uniform speed B). uniform speed C). motion with zero acceleration D). object at rest

Correct Answer: A

Q.76 A student designs an experiment to transmit sound from one room to another using various materials as a barrier. Which material is likely to block sound propagation most effectively?

Ans A). A thick rubber sheet placed between the rooms B). A plastic sheet stretched tightly between the rooms C). A thin wooden board placed between the rooms D). A piece of loose cotton fabric hung between the rooms

Correct Answer: A

Q.77 What is the correct chemical formula for calcium phosphate, given that calcium has a valency of 2 and phosphate has a valency of 3?

Ans A). $Ca_2(PO_4)_2$ B). $Ca_3(PO_4)_2$ C). $Ca(PO_4)_3$ D). $Ca_2(PO_4)_3$

Correct Answer: B

Q.78 Which part of the neuron transmits the message to the other cells?

Ans A). Axon B). Nucleus C). Cell body D). Dendrites

Correct Answer: A

Q.79 Why do planetary winds in the Northern Hemisphere consistently curve to the right of their direction of motion?

Ans A). Atmospheric pressure B). Earth's revolution C). Earth's rotation D). Gravitational pull

Correct Answer: C

Q.80 What best describes an ocean current?

Ans A). Collection of floating plants in the ocean B). A region with no salt in the ocean C). A stationary area in the ocean region D). A large mass of moving water in the ocean

Correct Answer: D

Q.81 Which of the following is most likely to dissolve completely in water at room temperature?

Ans A). Sugar B). Oil C). Rubber D). Sand

Correct Answer: A

Q.82 The seeds of gymnosperms are considered 'naked' as:

Ans A). Their seeds develop inside fruits after fertilisation. B). Their seeds form only after insect pollination.
C). Their seeds are enclosed within fleshy fruits. D). Their seeds remain exposed on cone scales.

Correct Answer: D

Q.83 Which of the following best explains what happens when an acid is dissolved in water?

Ans A). It forms hydroxide ions (OH-) in the solution. B). It produces metal ions in the solution.
C). It releases hydrogen ions (H+) into the solution. D). It forms salt ions directly in water.

Correct Answer: C

Q.84 After assigning an organism to a Kingdom, which is the next taxonomic rank in the hierarchical classification system?

Ans A). Assign the organism to a Phylum based on broader shared traits B). Identify the Genus before considering other categories
C). Place the organism directly into a Class using specific characteristics D). Go straight to determining the Family it belongs to

Correct Answer: A

Q.85 A student adds lemon juice to blue litmus paper and notices that it turns red. Based on the pH scale, what can be inferred about the pH of lemon juice?

Ans A). Lemon juice has a pH less than 7 B). Lemon juice does not affect the pH scale C). Lemon juice has a pH greater than 7
D). Lemon juice has a pH of exactly 7

Correct Answer: A

Q.86 Which of the following statements best describes a characteristic shared by all organic compounds?

Ans A). They are always soluble in water. B). They all contain nitrogen atoms. C). They exist only as gases at room temperature.
D). They contain carbon atoms bonded to other elements.

Correct Answer: D

Q.87 In all three equations of motion, the acceleration is assumed to be _____.

Ans A). Decreasing B). Increasing C). Random D). Constant

Correct Answer: D

Q.88 Which of the following is the primary reason for recommending breastfeeding immediately after birth?

Ans A). It provides antibodies and essential nutrients B). It increases hair growth in the baby C). It improves the baby's vision
D). It changes the baby's blood type

Correct Answer: A

Q.89 In which scenario does an object have zero gravitational potential energy with respect to a given reference point?

Ans A). When the object is moving horizontally above the reference point B). When the object is at the same level as the reference point
C). When the object is below the reference point D). When the object is above the reference point

Correct Answer: B

Q.90 Which method is most suitable for separating a mixture of ethanol and water in a laboratory setup?

Ans A). Simple distillation B). Filtration C). Evaporation D). Chromatography

Correct Answer: A

Section : **General Awareness**

Q.91 The CG Semi Outsourced Semiconductor Assembly and Test (OSAT) facility, inaugurated by the Prime Minister of India in July 2026, is located in which city of Gujarat?

Ans A). Sanand B). Dholera C). Surat D). Gandhinagar

Correct Answer: A

Q.92 Which organisation successfully conducted three consecutive flight tests on June 10 and 11, 2026, demonstrating a multi-layered defence capability against long-range ballistic missiles as well as a medium-range anti-ship capability?

Ans A). Bharat Dynamics Limited B). Hindustan Aeronautics Limited C). Indian Space Research Organisation
D). Defence Research and Development Organisation

Correct Answer: D

Q.93 **The Ministry of Education, in collaboration with IIT Kanpur, developed a free digital learning platform that provides video lectures, mock tests, study materials, and previous years' question papers for preparation of major competitive examinations such as JEE and NEET. What is the name of this platform?**

Ans A). DIKSHA App B). SATHEE App C). SWAYAM App D). UMANG App

Correct Answer: B

Q.94 **In May 2026, N. Rangasamy was sworn in as the Chief Minister of Puducherry for which consecutive term?**

Ans A). Sixth term B). Third term C). Fifth term D). Fourth term

Correct Answer: C

Q.95 **In June 2026, the Central Government extended the tenure of which two of India's oldest inter-state water dispute tribunals by one year?**

Ans A). Mahanadi Water Disputes Tribunal & Vansadhara Tribunal B). Cauvery Water Disputes Tribunal & Mahadayi Tribunal C). Ravi and Beas Tribunal & Krishna Water Disputes Tribunal D). Godavari Water Disputes Tribunal & Narmada Tribunal

Correct Answer: C

Q.96 **Published by Rupa Publications in March 2026, who wrote the autobiography Triumph of the Indian Republic: My Life, My Struggles?**

Ans A). Dr. A.P.J. Abdul Kalam B). Pranab Mukherjee C). Pratibha Devisingh Patil D). Ram Nath Kovind

Correct Answer: D

Q.97 **The Khelo India Mission, announced in the Union Budget 2026–27, places special emphasis on the systematic development of which of the following?**

Ans A). Sports talent, coaches, and support staff B). Adventure tourism and eco-sports C). Film production and sports broadcasting D). International sports event management only

Correct Answer: A

Q.98 **Which bank was penalized by the Reserve Bank of India in March 2026 with a ₹31.80 lakh fine for not complying with rules related to inoperative accounts and unclaimed deposits?**

Ans A). State Bank of India B). ICICI Bank C). HDFC Bank D). HSBC India

Correct Answer: D

Q.99 **What was the official theme of the International Day of Persons with Disabilities (IDPD) observed by the United Nations on 3 December 2025?**

Ans A). Fostering disability-inclusive societies for advancing social progress B). Ensuring equal access to technology for persons with disabilities C). Building inclusive education for persons with disabilities worldwide D). Leadership and Participation of Persons with Disabilities toward an Inclusive World

Correct Answer: A

Q.100 **Who was appointed as a Full-Time Member of NITI Aayog in April 2026, with Prime Minister Modi calling his personal journey "very inspiring"?**

Ans A). Prof. Abhay Karandikar B). Dr. Rajiv Gauba C). Dr. Ashok Lahiri D). Dr. Gobardhan Das

Correct Answer: D

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