

DSSSB Exam September 2025

Participant ID	[REDACTED]
Participant Name	[REDACTED]
Test Center Name	Aadarsh Pariksha Kendra CENTER C - Gate No 2 - Noida Sector 64
Test Date	06/09/2025
Test Time	9:00 AM - 11:00 AM
Subject	TGT Natural Science

Section : General intelligence and Reasoning Ability

Q.1 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

XDE TZA PVW LRS ?

Ans 1. HNT

2. HNY

3. HON

4. HNO

Question ID : 4410091155561

Option 1 ID : 4410094556969

Option 2 ID : 4410094556968

Option 3 ID : 4410094556967

Option 4 ID : 4410094556966

Q.2 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 1. KLU

2. HGM

3. UTZ

4. KJP

Question ID : 441009981181

Option 1 ID : 4410093877192

Option 2 ID : 4410093877190

Option 3 ID : 4410093877193

Option 4 ID : 4410093877191

Q.3	<p>Given below is a statement followed by two possible reasons numbered I and II. Read the statement carefully and decide which of the two reasons explains the event/observation/information given in the statement.</p> <p>Statement: Even though the newly set-up Internet service provider, company A, is offering high-speed internet, it is facing difficulties in increasing its customer base.</p> <p>Reasons: I. Most of the internet plans offered by company A are priced higher as compared to its well-established competitors. II. Customers are never interested in using high speed Wi-Fi internet.</p>
Ans	<p><input type="checkbox"/> 1. Only II is a possible reason.</p> <p><input checked="" type="checkbox"/> 2. Only I is a possible reason.</p> <p><input type="checkbox"/> 3. Neither I nor II is a possible reason.</p> <p><input type="checkbox"/> 4. Both I and II are possible reasons.</p>

Question ID :	441009477636
Option 1 ID :	4410091865950
Option 2 ID :	4410091865949
Option 3 ID :	4410091865951
Option 4 ID :	4410091865952

Q.4	<p>Select the set in which the numbers are related in the same way as are the numbers of the following sets. (Note: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)</p> <p>6 - 4 - 5 9 - 3 - 6</p>
Ans	<p><input checked="" type="checkbox"/> 1. 8 - 4 - 6</p> <p><input type="checkbox"/> 2. 9 - 5 - 8</p> <p><input type="checkbox"/> 3. 7 - 7 - 6</p> <p><input type="checkbox"/> 4. 40 - 15 - 3</p>

Question ID :	441009588213
Option 1 ID :	4410092307979
Option 2 ID :	4410092307981
Option 3 ID :	4410092307978
Option 4 ID :	4410092307980

Q.5	<p>What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged, and 'x' and '÷' are interchanged?</p> <p>$15 \div 3 + 7 \times 45 - 5 = ?$</p>
Ans	<p><input type="checkbox"/> 1. 4</p> <p><input type="checkbox"/> 2. 2</p> <p><input type="checkbox"/> 3. 1</p> <p><input checked="" type="checkbox"/> 4. 3</p>

Question ID :	441009980411
Option 1 ID :	4410093874125
Option 2 ID :	4410093874123
Option 3 ID :	4410093874122
Option 4 ID :	4410093874124

Q.6	<p>This question is based on the five, three-digit numbers given below. (Left) 853 716 567 349 527 (Right)</p> <p>(Example: 697 – First digit = 6, second digit = 9 and third digit = 7) (Note: All operations to be done from left to right.)</p> <p>What will be the resultant if the third digit of the second highest number is multiplied with the second digit of the lowest number?</p>
Ans	<p><input type="checkbox"/> 1. 22</p> <p><input type="checkbox"/> 2. 23</p> <p><input checked="" type="checkbox"/> 3. 24</p> <p><input type="checkbox"/> 4. 25</p>

Question ID :	441009980966
Option 1 ID :	4410093876330
Option 2 ID :	4410093876331
Option 3 ID :	4410093876332
Option 4 ID :	4410093876333

Q.7	<p>Seven boxes, C, D, E, I, J, K and N, are kept one over the other but not necessarily in the same order. Only C is kept above I. Only E is kept below K. Only J is kept between D and K. How many boxes are kept between N and E?</p>
Ans	<p><input type="checkbox"/> 1. One</p> <p><input type="checkbox"/> 2. Two</p> <p><input type="checkbox"/> 3. Four</p> <p><input checked="" type="checkbox"/> 4. Three</p>

Question ID :	441009981436
Option 1 ID :	4410093878213
Option 2 ID :	4410093878212
Option 3 ID :	4410093878210
Option 4 ID :	4410093878211

Q.8	<p>Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.</p> <p>Statements: No Hydrogens are Oxygens. Some Oxygens are Nitrogens. All Nitrogens are Carbons.</p> <p>Conclusions: I: No Hydrogens are Nitrogens. II: Some Oxygens are Carbons.</p>
Ans	<p><input type="checkbox"/> 1. Both conclusions (I) and (II) follow</p> <p><input type="checkbox"/> 2. Neither conclusion (I) nor (II) follows</p> <p><input checked="" type="checkbox"/> 3. Only conclusion (II) follows</p> <p><input type="checkbox"/> 4. Only conclusion (I) follows</p>

Question ID :	441009801686
Option 1 ID :	4410093160856
Option 2 ID :	4410093160855
Option 3 ID :	4410093160854
Option 4 ID :	4410093160853

Q.9 Each of M, N, B, V, C, X and Z has an exam on a different day of a week, starting from Monday and ending on Sunday of the same week. Only V has an exam after X. Only three people have exams between X and Z. Only three people have exams between V and C. B has an exam immediately before N. How many people have exams between M and N?

Ans 1. Three

2. Four

3. Two

4. One

Question ID : 441009981399

Option 1 ID : 4410093878063

Option 2 ID : 4410093878062

Option 3 ID : 4410093878064

Option 4 ID : 4410093878065

Q.1 0 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 is the letter-cluster that does NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/vowels or their positions in the letter-cluster.)

Ans 1. JOQ

2. LQS

3. PUW

4. DIL

Question ID : 441009981461

Option 1 ID : 4410093878313

Option 2 ID : 4410093878312

Option 3 ID : 4410093878311

Option 4 ID : 4410093878310

Q.1 1 If + means -, - means x, x means ÷, and ÷ means +, then what will come in place of the question mark (?) in the following equation?

$$51 \div 133 \times 7 - 3 + 102 = ?$$

Ans 1. 8

2. 4

3. 1

4. 6

Question ID : 441009980532

Option 1 ID : 4410093874607

Option 2 ID : 4410093874608

Option 3 ID : 4410093874609

Option 4 ID : 4410093874606

Q.1 2	What should come in place of the question mark (?) in the given series based on the English alphabetical order? VED AJI FON KTS ?
Ans	<input type="checkbox"/> 1. REX
	<input checked="" type="checkbox"/> 2. PYX
	<input type="checkbox"/> 3. RXY
	<input type="checkbox"/> 4. RXD

Question ID :	4410091155522
Option 1 ID :	4410094556816
Option 2 ID :	4410094556814
Option 3 ID :	4410094556815
Option 4 ID :	4410094556817

Q.1 3	In a certain code language, 'A + B' means 'A is the mother of B', 'A - B' means 'A is the brother of B', 'A × B' means 'A is the wife of B', 'A % B' means 'A is the father of B', and 'A # B' means 'A is the daughter of B'. How is Q related to G if 'T - K # Q × N % P + L # G'?
Ans	<input type="checkbox"/> 1. Wife's sister
	<input type="checkbox"/> 2. Mother's sister
	<input checked="" type="checkbox"/> 3. Wife's mother
	<input type="checkbox"/> 4. Brother's wife

Question ID :	441009803867
Option 1 ID :	4410093169592
Option 2 ID :	4410093169594
Option 3 ID :	4410093169593
Option 4 ID :	4410093169591

Q.1 4	Select the triad that follows the same pattern as that followed by the two triads given below. Both triads follow the same pattern. NS-PM-TV JO-LI-PR
Ans	<input type="checkbox"/> 1. GK-ID-LM
	<input type="checkbox"/> 2. FK-HD-LM
	<input type="checkbox"/> 3. GL-ID-KM
	<input checked="" type="checkbox"/> 4. FK-HE-LN

Question ID :	441009731932
Option 1 ID :	4410092881482
Option 2 ID :	4410092881481
Option 3 ID :	4410092881483
Option 4 ID :	4410092881480

Q.1	Bharat starts from Point Y and drives 31 km towards north. He then takes a left turn, drives 31 km, turns left and drives 43 km. He then takes a right turn and drives 17 km. He takes a right turn and drives 51 km. He then turns right, drives 23 km, turns right and drives 39 km to stop at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90-degree turns only, unless specified.)
5	
Ans	<input checked="" type="checkbox"/> 1. 25 km towards east <input type="checkbox"/> 2. 19 km towards east <input type="checkbox"/> 3. 27 km towards west <input type="checkbox"/> 4. 21 km towards west

Question ID :	441009805480
Option 1 ID :	4410093176044
Option 2 ID :	4410093176045
Option 3 ID :	4410093176043
Option 4 ID :	4410093176046

Q.1	What should come in place of the question mark (?) in the given series?
6	111 96 81 66 51 ?
Ans	<input type="checkbox"/> 1. 38 <input type="checkbox"/> 2. 35 <input checked="" type="checkbox"/> 3. 36 <input type="checkbox"/> 4. 34

Question ID :	4410091155589
Option 1 ID :	4410094557081
Option 2 ID :	4410094557079
Option 3 ID :	4410094557080
Option 4 ID :	4410094557078

Q.1	Six students Abram, Belle, Wendy, Xavier, Yami and Zara are sitting around a circular table facing the centre. Yami is an immediate neighbour of both Xavier and Zara. Belle is sitting third to the right of Zara. Abram is sitting second to the left of Xavier. Wendy is an immediate neighbour of both Abram and Zara. The position(s) of how many persons will remain unchanged if all persons are arranged in the English alphabetical order, in clockwise direction, starting from Wendy (including Wendy)?
7	
Ans	<input type="checkbox"/> 1. Four <input type="checkbox"/> 2. Three <input type="checkbox"/> 3. Two <input checked="" type="checkbox"/> 4. One

Question ID :	441009801169
Option 1 ID :	4410093158780
Option 2 ID :	4410093158779
Option 3 ID :	4410093158778
Option 4 ID :	4410093158777

Q.1 8	In a certain code language, 'GONE' is coded as '7103' and 'ONES' is coded as '0123'. What is the code for 'S' in the given code language?
Ans	✓ 1. 2
	✗ 2. 0
	✗ 3. 1
	✗ 4. 3

Question ID :	441009981450
Option 1 ID :	4410093878268
Option 2 ID :	4410093878266
Option 3 ID :	4410093878267
Option 4 ID :	4410093878269

Q.1 9	Below are given two sets of numbers. In each set of numbers, a certain mathematical operation on the first number results in the second number. Similarly, certain mathematical operation on the second number results in the third number and so on. Which of the given options follows the same set of operations as in the question? (Note: A two-/three-digit number cannot be broken into individual digits for operations e.g., if 37 is followed by 10, the operation cannot be 3 + 7 as a two-digit number cannot be broken into individual digits.) 12 - 17 - 15 - 22 41 - 46 - 44 - 51
Ans	✓ 1. 3 - 8 - 6 - 13
	✗ 2. 21 - 29 - 25 - 32
	✗ 3. 23 - 32 - 30 - 37
	✗ 4. 31 - 37 - 35 - 43

Question ID :	441009552223
Option 1 ID :	4410092164206
Option 2 ID :	4410092164209
Option 3 ID :	4410092164207
Option 4 ID :	4410092164208

Q.2 0	This question is based on the five, three-digit numbers given below. (Left) 674 621 435 376 215 (Right) (Example: 697 – First digit = 6, second digit = 9 and third digit = 7) (Note: All operations to be done from left to right.) If 3 is added to the first digit of every number, in how many numbers will the first digit be exactly divisible by the second digit?
Ans	✗ 1. Four
	✗ 2. Two
	✗ 3. Three
	✓ 4. One

Question ID :	441009980960
Option 1 ID :	4410093876309
Option 2 ID :	4410093876307
Option 3 ID :	4410093876308
Option 4 ID :	4410093876306

Q.1	The observable expression of the genotype is known as _____.
Ans	<input type="checkbox"/> 1. genotype
	<input type="checkbox"/> 2. genome
	<input type="checkbox"/> 3. gene
	<input checked="" type="checkbox"/> 4. phenotype

Question ID :	4410091050748
Option 1 ID :	4410094152062
Option 2 ID :	4410094152064
Option 3 ID :	4410094152061
Option 4 ID :	4410094152063

Q.2	Which state emerged as the overall champion at the 2025 National Kickboxing Championship held in Raipur?
Ans	<input type="checkbox"/> 1. Andhra Pradesh
	<input type="checkbox"/> 2. Maharashtra
	<input checked="" type="checkbox"/> 3. Punjab
	<input type="checkbox"/> 4. West Bengal

Question ID :	441009992444
Option 1 ID :	4410093921907
Option 2 ID :	4410093921904
Option 3 ID :	4410093921905
Option 4 ID :	4410093921906

Q.3	Fuse in an electric circuit is used for _____.
Ans	<input type="checkbox"/> 1. voltage stabilisation in the circuit
	<input type="checkbox"/> 2. generation of power
	<input checked="" type="checkbox"/> 3. protecting the circuits
	<input type="checkbox"/> 4. storage of power

Question ID :	44100985962
Option 1 ID :	441009341558
Option 2 ID :	441009341559
Option 3 ID :	441009341560
Option 4 ID :	441009341561

Q.4	What was Neeraj Chopra's best throw distance that earned him the silver medal in the men's javelin throw at the Paris Olympics 2024?
Ans	<input type="checkbox"/> 1. 88.77 metres
	<input checked="" type="checkbox"/> 2. 89.45 metres
	<input type="checkbox"/> 3. 86.47 metres
	<input type="checkbox"/> 4. 90.58 metres

Question ID :	441009995184
Option 1 ID :	4410093932761
Option 2 ID :	4410093932760
Option 3 ID :	4410093932758
Option 4 ID :	4410093932759

Q.5	In which of the following years was the Central Hindi Directorate (CHD) established?
Ans	<input checked="" type="checkbox"/> 1. 1953
	<input checked="" type="checkbox"/> 2. 1960
	<input checked="" type="checkbox"/> 3. 1954
	<input checked="" type="checkbox"/> 4. 1959

Question ID :	441009972506
Option 1 ID :	4410093843065
Option 2 ID :	4410093843068
Option 3 ID :	4410093843066
Option 4 ID :	4410093843067

Q.6	The level of national income does NOT determine the level of which of the following variables?
Ans	<input checked="" type="checkbox"/> 1. Demand and supply of a good
	<input checked="" type="checkbox"/> 2. Private investment expenditure
	<input checked="" type="checkbox"/> 3. Import of goods and services
	<input checked="" type="checkbox"/> 4. Aggregate consumption

Question ID :	441009974311
Option 1 ID :	4410093850288
Option 2 ID :	4410093850287
Option 3 ID :	4410093850286
Option 4 ID :	4410093850285

Q.7	How many of the following climate-resilient and biofortified seed varieties were introduced by PM Modi in August 2024?
Ans	<input checked="" type="checkbox"/> 1. 200
	<input checked="" type="checkbox"/> 2. 109
	<input checked="" type="checkbox"/> 3. 150
	<input checked="" type="checkbox"/> 4. 75

Question ID :	441009995207
Option 1 ID :	4410093932853
Option 2 ID :	4410093932850
Option 3 ID :	4410093932852
Option 4 ID :	4410093932851

Q.8	Where is the Anundoram Borooh Institute of Language, Art and Culture located?
Ans	<input checked="" type="checkbox"/> 1. West Bengal
	<input checked="" type="checkbox"/> 2. Assam
	<input checked="" type="checkbox"/> 3. Meghalaya
	<input checked="" type="checkbox"/> 4. Tripura

Question ID :	441009972516
Option 1 ID :	4410093843107
Option 2 ID :	4410093843106
Option 3 ID :	4410093843105
Option 4 ID :	4410093843108

Q.9	What is the official language of Odisha?
Ans	<input checked="" type="checkbox"/> 1. Sanskrit
	<input checked="" type="checkbox"/> 2. English
	<input checked="" type="checkbox"/> 3. Hindi
	<input checked="" type="checkbox"/> 4. Odia

Question ID :	441009972518
Option 1 ID :	4410093843116
Option 2 ID :	4410093843113
Option 3 ID :	4410093843115
Option 4 ID :	4410093843114

Q.1	The Constitution of India allows for a maximum of how many representatives from the Union Territories in the Lok Sabha?
Ans	<input checked="" type="checkbox"/> 1. 20
	<input checked="" type="checkbox"/> 2. 40
	<input checked="" type="checkbox"/> 3. 10
	<input checked="" type="checkbox"/> 4. 30

Question ID :	441009973727
Option 1 ID :	4410093847952
Option 2 ID :	4410093847950
Option 3 ID :	4410093847949
Option 4 ID :	4410093847951

Q.1	Which of the following is the total cost per unit of output?
1	
Ans	<input checked="" type="checkbox"/> 1. Average Variable Cost
	<input checked="" type="checkbox"/> 2. Average Fixed Cost
	<input checked="" type="checkbox"/> 3. Average Cost
	<input checked="" type="checkbox"/> 4. Marginal Cost

Question ID :	441009973971
Option 1 ID :	4410093848927
Option 2 ID :	4410093848926
Option 3 ID :	4410093848925
Option 4 ID :	4410093848928

Q.1	As of July 2024, which of the following is the longest National Highway in India?
2	
Ans	<input checked="" type="checkbox"/> 1. National highway 17
	<input checked="" type="checkbox"/> 2. National Highway 31
	<input checked="" type="checkbox"/> 3. National Highway 22
	<input checked="" type="checkbox"/> 4. National Highway 44

Question ID :	441009974414
Option 1 ID :	4410093850700
Option 2 ID :	4410093850699
Option 3 ID :	4410093850698
Option 4 ID :	4410093850697

Q.1 3	With which of the following dynasties of the Delhi Sultanate was Khizr Khan associated?
Ans	<input checked="" type="checkbox"/> 1. Tughluq
	<input checked="" type="checkbox"/> 2. Khilji
	<input checked="" type="checkbox"/> 3. Sayyid
	<input checked="" type="checkbox"/> 4. Lodhi

Question ID :	441009973089
Option 1 ID :	4410093845397
Option 2 ID :	4410093845399
Option 3 ID :	4410093845400
Option 4 ID :	4410093845398

Q.1 4	Which event led to the suspension of the Non-Cooperation Movement by Mahatma Gandhi in 1922?
Ans	<input checked="" type="checkbox"/> 1. The Quit India Movement
	<input checked="" type="checkbox"/> 2. The Jallianwala Bagh Incident
	<input checked="" type="checkbox"/> 3. The Simon Commission's Arrival
	<input checked="" type="checkbox"/> 4. The Chauri Chaura Incident

Question ID :	441009973048
Option 1 ID :	4410093845235
Option 2 ID :	4410093845233
Option 3 ID :	4410093845236
Option 4 ID :	4410093845234

Q.1 5	Betel nut is widely cultivated in _____.
Ans	<input checked="" type="checkbox"/> 1. Uttarakhand
	<input checked="" type="checkbox"/> 2. Himachal Pradesh
	<input checked="" type="checkbox"/> 3. Punjab
	<input checked="" type="checkbox"/> 4. Karnataka

Question ID :	441009974506
Option 1 ID :	4410093851068
Option 2 ID :	4410093851067
Option 3 ID :	4410093851066
Option 4 ID :	4410093851065

Q.1 6	Which of the following states has the highest number of Lok Sabha seats in India as per the Delimitation of Parliamentary and Assembly Constituencies Order, 2008?
Ans	<input checked="" type="checkbox"/> 1. Maharashtra
	<input checked="" type="checkbox"/> 2. Tamil Nadu
	<input checked="" type="checkbox"/> 3. West Bengal
	<input checked="" type="checkbox"/> 4. Bihar

Question ID :	441009973743
Option 1 ID :	4410093848015
Option 2 ID :	4410093848014
Option 3 ID :	4410093848013
Option 4 ID :	4410093848016

Q.1 7	Which of the following Articles of the Indian Constitution states that persons who voluntarily acquire citizenship of a foreign state are NOT eligible to be citizens of India?
Ans	<input checked="" type="checkbox"/> 1. Article 5
	<input checked="" type="checkbox"/> 2. Article 7
	<input checked="" type="checkbox"/> 3. Article 11
	<input checked="" type="checkbox"/> 4. Article 9

Question ID :	441009973778
Option 1 ID :	4410093848153
Option 2 ID :	4410093848154
Option 3 ID :	4410093848156
Option 4 ID :	4410093848155

Q.1 8	Which of the following is correct about literacy rates in India as per Census 2011?
Ans	<input checked="" type="checkbox"/> 1. Andaman and Nicobar Islands had the literacy rate above 85%.
	<input checked="" type="checkbox"/> 2. In two states of India, Kerala and Goa, the literacy rate was higher for the females.
	<input checked="" type="checkbox"/> 3. Both Nagaland and Orissa crossed 80% in the literacy rate.
	<input checked="" type="checkbox"/> 4. Puducherry showed a remarkable rise in the literacy rate compared to 2001 Census, with 92% literacy rate in 2011.

Question ID :	441009974941
Option 1 ID :	4410093852808
Option 2 ID :	4410093852805
Option 3 ID :	4410093852806
Option 4 ID :	4410093852807

Q.1 9	Which of the following economic theories emphasises the role of institutions in perpetuating poverty?
Ans	<input checked="" type="checkbox"/> 1. Modernisation theory
	<input checked="" type="checkbox"/> 2. Structural adjustment theory
	<input checked="" type="checkbox"/> 3. Human capital theory
	<input checked="" type="checkbox"/> 4. Dependency theory

Question ID :	441009974374
Option 1 ID :	4410093850539
Option 2 ID :	4410093850540
Option 3 ID :	4410093850538
Option 4 ID :	4410093850537

Q.2 0	Palaeolithic Period is also known as _____.
Ans	<input checked="" type="checkbox"/> 1. old stone age
	<input checked="" type="checkbox"/> 2. stone age
	<input checked="" type="checkbox"/> 3. iron age
	<input checked="" type="checkbox"/> 4. old iron age

Question ID :	441009973002
Option 1 ID :	4410093845049
Option 2 ID :	4410093845052
Option 3 ID :	4410093845050
Option 4 ID :	4410093845051

Q.1	If the listed price of a bag is 80% more than its cost price and a discount of 66% is announced on it, find the loss percentage.
Ans	<input checked="" type="checkbox"/> 1. 38.8% <input type="checkbox"/> 2. 39.3% <input type="checkbox"/> 3. 40.08% <input type="checkbox"/> 4. 40.5%

Question ID :	441009893828
Option 1 ID :	4410093529382
Option 2 ID :	4410093529384
Option 3 ID :	4410093529385
Option 4 ID :	4410093529383

Q.2	In a river, water is flowing with a speed of 4 km/hr. A motor boat takes equal time in going 87 km downstream and 29 km upstream. How much time will it take to cover 46 km downstream and 99 km upstream?7650
Ans	<input type="checkbox"/> 1. 27 hours 40 minutes <input checked="" type="checkbox"/> 2. 28 hours 35 minutes <input type="checkbox"/> 3. 26 hours 42 minutes <input type="checkbox"/> 4. 30 hours 40 minutes

Question ID :	441009545977
Option 1 ID :	4410092139307
Option 2 ID :	4410092139304
Option 3 ID :	4410092139305
Option 4 ID :	4410092139306

Q.3	The seats for Chemistry, Physics and Mathematics in a college are in the ratio 5 : 7 : 4. If these seats were to increase by 20%, 50% and 50%, respectively, then find the new ratio of seats after the increase.
Ans	<input type="checkbox"/> 1. 4 : 7 : 3 <input type="checkbox"/> 2. 4 : 8 : 3 <input type="checkbox"/> 3. 3 : 6 : 2 <input checked="" type="checkbox"/> 4. 4 : 7 : 4

Question ID :	441009986352
Option 1 ID :	4410093897697
Option 2 ID :	4410093897699
Option 3 ID :	4410093897700
Option 4 ID :	4410093897698

Q.4	In what ratio must a grocer mix two varieties of rice costing ₹273 and ₹170 per kg, respectively, to get a mixture of rice worth ₹223 per kg?3348
Ans	<input type="checkbox"/> 1. 48 : 106 <input type="checkbox"/> 2. 60 : 58 <input type="checkbox"/> 3. 52 : 54 <input checked="" type="checkbox"/> 4. 53 : 50

Question ID :	441009580252
Option 1 ID :	4410092276136
Option 2 ID :	4410092276137
Option 3 ID :	4410092276135
Option 4 ID :	4410092276134

Q.5 Hemant and Irfan can complete a certain piece of work in 7 and 19 days, respectively. They started to work together, and after 4 days, Irfan left. In how many days will Hemant complete the remaining work?

- Ans
- 1. $4\frac{7}{26}$
 - 2. $1\frac{12}{19}$
 - 3. $5\frac{10}{19}$
 - 4. $1\frac{10}{19}$

Question ID : 441009622951

Option 1 ID : 4410092445939

Option 2 ID : 4410092445937

Option 3 ID : 4410092445938

Option 4 ID : 4410092445936

Q.6 Two pipes A and B can fill a tank in 27 hours and 10 hours, respectively. If both the pipes are opened simultaneously, then the time taken to fill the tank is:

- Ans
- 1. $7\frac{11}{37}$ hours
 - 2. $10\frac{11}{37}$ hours
 - 3. $11\frac{11}{37}$ hours
 - 4. $9\frac{11}{37}$ hours

Question ID : 441009913840

Option 1 ID : 4410093609611

Option 2 ID : 4410093609614

Option 3 ID : 4410093609613

Option 4 ID : 4410093609612

Q.7 If 20% of a number is added to 120, then the result is the same number. 20% of the same number is:

- Ans
- 1. 30
 - 2. 150
 - 3. 45
 - 4. 50

Question ID : 441009895469

Option 1 ID : 4410093535946

Option 2 ID : 4410093535948

Option 3 ID : 4410093535949

Option 4 ID : 4410093535947

Q.8 Read the following table carefully and answer the question that follows.
The given table shows the number of children having different heights.

Height (in cm)	Numbers of children
Less than or equal to 120	8
Less than or equal to 125	16
Less than or equal to 130	35
Less than or equal to 135	43
Less than or equal to 140	61
Less than or equal to 145	72
Less than or equal to 150	86

Find the total number of children whose height is less than or equal to 125 cm or greater than 145 cm.

Ans 1. 28

2. 30

3. 35

4. 25

Question ID : 441009987000

Option 1 ID : 4410093900290

Option 2 ID : 4410093900289

Option 3 ID : 4410093900291

Option 4 ID : 4410093900292

Q.9 A man sells two articles for ₹6,000 each. He gains 50% on the first but loses 25% on the next.
His total loss percentage (in %), approximately, will be:

Ans 1. 20

2. 10

3. 0

4. 25

Question ID : 441009894987

Option 1 ID : 4410093534019

Option 2 ID : 4410093534021

Option 3 ID : 4410093534018

Option 4 ID : 4410093534020

Q.1
0 The simplified value of $272 \div \left[\frac{14}{7} \times \{ 9 + 7 - (3 + 8 - (4 + 8)) \} \right]$ is :

Ans 1. 8

2. 7

3. 5

4. 3

Question ID : 441009912454

Option 1 ID : 4410093604067

Option 2 ID : 4410093604069

Option 3 ID : 4410093604068

Option 4 ID : 4410093604070

Q.1 1	A can complete a piece of work in 14 days and B can complete it in 17 days. If they work on alternate days, starting with B on the first day, in how many days will the work be finished?
Ans	✓ 1. $15\frac{7}{17}$ days
	✗ 2. $15\frac{3}{7}$ days
	✗ 3. $14\frac{7}{17}$ days
	✗ 4. $16\frac{3}{7}$ days

Question ID :	441009623749
Option 1 ID :	4410092449128
Option 2 ID :	4410092449130
Option 3 ID :	4410092449129
Option 4 ID :	4410092449131

Q.1 2	Pipe P can fill $\frac{7}{9}$ part of a tank in 28 hours and pipe Q can fill $\frac{2}{3}$ part in 2 hours, then both were closed. Pipe R was then opened and emptied. Pipe R was then opened and emptied together, how long will they take to fill the empty tank? 9441
Ans	✗ 1. 35 hours
	✗ 2. 25 hours
	✗ 3. 34 hours
	✓ 4. 27 hours

Question ID :	441009547768
Option 1 ID :	4410092146471
Option 2 ID :	4410092146470
Option 3 ID :	4410092146469
Option 4 ID :	4410092146468

Q.1 3	The volume (in m ³) of a cuboidal tank, whose dimensions are given as 2 m × 49 m × 46 m, is:
Ans	✗ 1. 4494
	✗ 2. 4462
	✗ 3. 4472
	✓ 4. 4508

Question ID :	441009594017
Option 1 ID :	4410092331186
Option 2 ID :	4410092331187
Option 3 ID :	4410092331188
Option 4 ID :	4410092331185

Q.1 4	If 16% of $50 - \frac{2}{6} \times \sqrt[3]{729} \times \sqrt{64} = y$, then the value of y is
Ans	<input checked="" type="checkbox"/> 1. -19 <input checked="" type="checkbox"/> 2. -26 <input checked="" type="checkbox"/> 3. -16 <input checked="" type="checkbox"/> 4. -21

Question ID :	441009912181
Option 1 ID :	4410093602977
Option 2 ID :	4410093602976
Option 3 ID :	4410093602975
Option 4 ID :	4410093602978

Q.1 5	A solid cube of side 12 cm is dropped into a cuboidal container of length 20 cm, breadth 18 cm and height 14 cm, which is partly filled with water. If the cube is completely submerged, then the rise of water level (in cm) is:2925
Ans	<input checked="" type="checkbox"/> 1. 5.4 <input checked="" type="checkbox"/> 2. 4.2 <input checked="" type="checkbox"/> 3. 4.8 <input checked="" type="checkbox"/> 4. 3.6

Question ID :	441009602616
Option 1 ID :	4410092365581
Option 2 ID :	4410092365584
Option 3 ID :	4410092365583
Option 4 ID :	4410092365582

Q.1 6	The ratio of the cost prices of articles X and Y is 6 : 7. A man earns a profit of 11% by selling X and loses 28% by selling Y. What is his gain/loss percentage in the entire transaction?
Ans	<input checked="" type="checkbox"/> 1. Loss, 9.5% <input checked="" type="checkbox"/> 2. Loss, 10% <input checked="" type="checkbox"/> 3. Gain, 11.5% <input checked="" type="checkbox"/> 4. Gain, 10%

Question ID :	441009915175
Option 1 ID :	4410093614953
Option 2 ID :	4410093614951
Option 3 ID :	4410093614952
Option 4 ID :	4410093614954

Q.1 7	Kamal completes his journey in 9 hours. He covers half the distance at 26 km/hr and the rest at 91 km/hr. What is the length of the journey (in km)?11312
Ans	<input checked="" type="checkbox"/> 1. 356 <input checked="" type="checkbox"/> 2. 364 <input checked="" type="checkbox"/> 3. 357 <input checked="" type="checkbox"/> 4. 361

Question ID :	441009549639
Option 1 ID :	4410092153953
Option 2 ID :	4410092153952
Option 3 ID :	4410092153954
Option 4 ID :	4410092153955

Q.1 8	The simplified value of $272 \div \left[\frac{20}{10} \times \{ 6 + 5 - (5 + 2 - (2 + 2)) \} \right]$ is :
Ans	<input type="checkbox"/> 1. 14
	<input checked="" type="checkbox"/> 2. 17
	<input type="checkbox"/> 3. 16
	<input type="checkbox"/> 4. 22

Question ID :	441009912453
Option 1 ID :	4410093604065
Option 2 ID :	4410093604063
Option 3 ID :	4410093604066
Option 4 ID :	4410093604064

Q.1 9	Find the mean proportional of 24 and 54.
Ans	<input type="checkbox"/> 1. 33
	<input type="checkbox"/> 2. 34
	<input checked="" type="checkbox"/> 3. 36
	<input type="checkbox"/> 4. 37

Question ID :	441009899042
Option 1 ID :	4410093550241
Option 2 ID :	4410093550240
Option 3 ID :	4410093550238
Option 4 ID :	4410093550239

Q.2 0	In a test, B got 64 marks while A got 80 marks, out of 120 maximum marks. What percentage of B's marks were A's marks?
Ans	<input type="checkbox"/> 1. 80%
	<input type="checkbox"/> 2. 120%
	<input type="checkbox"/> 3. 66.67%
	<input checked="" type="checkbox"/> 4. 125%

Question ID :	441009895606
Option 1 ID :	4410093536495
Option 2 ID :	4410093536496
Option 3 ID :	4410093536497
Option 4 ID :	4410093536494

Section : Test of English Language and Comprehension

Q.1 Select the most appropriate ANTONYM of the highlighted word in the given sentence.

The young man shocked everyone by making flippant remarks while the will was being read.

Ans 1. Detailed

2. Considerate

3. Confused

4. Insolent

Question ID : 4410091052582

Option 1 ID : 4410094159397

Option 2 ID : 4410094159399

Option 3 ID : 4410094159398

Option 4 ID : 4410094159400

Q.2 Select the option that can be used as a one-word substitute for the given phrase.

A pleasure-seeker

Ans 1. Hedonist

2. Antagonist

3. Puritan

4. Ascetic

Question ID : 441009366750

Option 1 ID : 4410091433163

Option 2 ID : 4410091433165

Option 3 ID : 4410091433162

Option 4 ID : 4410091433164

Q.3 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

A) The book has been well-received, leading to numerous speaking engagements.

B) She embarked on a year-long journey to gather data from various cultures.

C) Her study challenges existing norms about societal structures.

D) Results from her anthropological research were published in a best-selling book.

Ans 1. A, D, B, C

2. D, B, C, A

3. B, C, D, A

4. C, A, D, B

Question ID : 441009366758

Option 1 ID : 4410091433195

Option 2 ID : 4410091433197

Option 3 ID : 4410091433194

Option 4 ID : 4410091433196

Q.4	Select the most appropriate option to fill in the blank. Due to the new policy, _____ applications are being shortlisted nowadays.
Ans	<input checked="" type="checkbox"/> 1. less
	<input checked="" type="checkbox"/> 2. lesser
	<input checked="" type="checkbox"/> 3. fewer
	<input checked="" type="checkbox"/> 4. much

Question ID :	4410091006038
Option 1 ID :	4410093975751
Option 2 ID :	4410093975752
Option 3 ID :	4410093975753
Option 4 ID :	4410093975754

Q.5	Select the most appropriate meaning of the given idiom. Bury the hatchet
Ans	<input checked="" type="checkbox"/> 1. To end a conflict
	<input checked="" type="checkbox"/> 2. To reveal a secret
	<input checked="" type="checkbox"/> 3. To plant a tree
	<input checked="" type="checkbox"/> 4. To forget something

Question ID :	4410091052260
Option 1 ID :	4410094158109
Option 2 ID :	4410094158112
Option 3 ID :	4410094158110
Option 4 ID :	4410094158111

Q.6	Identify the INCORRECTLY spelt word in the given sentence. The integration of advanced algorithms and artificial intelligence into contemporary technology represents a quintessential advancement, fundamentally transforming sectors through the meticulous optimization of processes and the obfuscation of previously insurmountable challenges.
Ans	<input checked="" type="checkbox"/> 1. quintessential
	<input checked="" type="checkbox"/> 2. obfuscation
	<input checked="" type="checkbox"/> 3. contemporary
	<input checked="" type="checkbox"/> 4. insurmountable

Question ID :	4410091052327
Option 1 ID :	4410094158378
Option 2 ID :	4410094158379
Option 3 ID :	4410094158377
Option 4 ID :	4410094158380

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Q.7	Select the most appropriate option to fill in the blanks. If no article is required, select the option with 'No article required'. ___ pen and ___ pencil on the table belong to me.
Ans	<input checked="" type="checkbox"/> 1. No article required ; the
	<input checked="" type="checkbox"/> 2. A ; No article required
	<input checked="" type="checkbox"/> 3. The ; the
	<input checked="" type="checkbox"/> 4. The ; No article required

Question ID :	4410091006424
Option 1 ID :	4410093977297
Option 2 ID :	4410093977296
Option 3 ID :	4410093977295
Option 4 ID :	4410093977298

Q.8	Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph. A) While classical physics explains macroscopic phenomena, it fails to describe behaviours observed at the subatomic level. B) Quantum mechanics, developed in the early 20 th century, revolutionised our understanding of atomic and subatomic particles. C) The wave-particle duality and uncertainty principle challenged long-held deterministic views in physics. D) This fundamental shift in perspective paved the way for groundbreaking advancements in fields such as quantum computing and nanotechnology.
Ans	<input checked="" type="checkbox"/> 1. B - A - C - D
	<input checked="" type="checkbox"/> 2. A - C - B - D
	<input checked="" type="checkbox"/> 3. B - C - D - A
	<input checked="" type="checkbox"/> 4. A - B - C - D

Question ID :	441009108916
Option 1 ID :	441009433482
Option 2 ID :	441009433481
Option 3 ID :	441009433480
Option 4 ID :	441009433479

Q.9	Select the most appropriate option to fill in the blank. She is known as _____ teacher in the entire university.
Ans	<input checked="" type="checkbox"/> 1. a better
	<input checked="" type="checkbox"/> 2. the most best
	<input checked="" type="checkbox"/> 3. more better
	<input checked="" type="checkbox"/> 4. the best

Question ID :	4410091006040
Option 1 ID :	4410093975759
Option 2 ID :	4410093975762
Option 3 ID :	4410093975761
Option 4 ID :	4410093975760

Q.1 0	Select the most appropriate meaning of the given proverb. When in Rome, do as the Romans do.
Ans	<input checked="" type="checkbox"/> 1. Always follow your own culture wherever you go.
	<input checked="" type="checkbox"/> 2. Keep looking for better options everywhere.
	<input checked="" type="checkbox"/> 3. Doing as others do is wrong.
	<input checked="" type="checkbox"/> 4. Adapt to the customs of the place you are in.

Question ID :	441009417015
Option 1 ID :	4410091633450
Option 2 ID :	4410091633453
Option 3 ID :	4410091633451
Option 4 ID :	4410091633452

Q.1 1	Select the most appropriate option to fill in the blank. In terms of cost, this model is _____ than the other we considered.
Ans	<input checked="" type="checkbox"/> 1. much cheap
	<input checked="" type="checkbox"/> 2. cheaper
	<input checked="" type="checkbox"/> 3. cheapest
	<input checked="" type="checkbox"/> 4. more cheap

Question ID :	4410091006098
Option 1 ID :	4410093975994
Option 2 ID :	4410093975991
Option 3 ID :	4410093975992
Option 4 ID :	4410093975993

Q.1 2	Select the most appropriate ANTONYM of the highlighted word in the given sentence. His impetuous decision to quit his job surprised everyone.
Ans	<input checked="" type="checkbox"/> 1. Reckless
	<input checked="" type="checkbox"/> 2. Hasty
	<input checked="" type="checkbox"/> 3. Deliberate
	<input checked="" type="checkbox"/> 4. Impulsive

Question ID :	4410091052716
Option 1 ID :	4410094159936
Option 2 ID :	4410094159933
Option 3 ID :	4410094159935
Option 4 ID :	4410094159934

Q.1 3	Select the most appropriate option to fill in the blanks. If no article is required, select the option with 'No article required'. They had ___ great time at ___ party last night.
Ans	<input checked="" type="checkbox"/> 1. the ; the
	<input checked="" type="checkbox"/> 2. No article required ; a
	<input checked="" type="checkbox"/> 3. a ; the
	<input checked="" type="checkbox"/> 4. the ; No article required

Question ID :	4410091006423
Option 1 ID :	4410093977291
Option 2 ID :	4410093977294
Option 3 ID :	4410093977292
Option 4 ID :	4410093977293

Q.1 4	Select the INCORRECTLY spelt word. 1513
Ans	<input type="checkbox"/> 1. Accommodate
	<input type="checkbox"/> 2. Necessary
	<input type="checkbox"/> 3. Occasion
	<input checked="" type="checkbox"/> 4. Independant

Question ID :	4410091053570
Option 1 ID :	4410094163349
Option 2 ID :	4410094163351
Option 3 ID :	4410094163352
Option 4 ID :	4410094163350

Q.1 5	Select the option that can be used as a one-word substitute for the given group of words. A person who studies the origin and history of words
Ans	<input type="checkbox"/> 1. Lexicographer
	<input type="checkbox"/> 2. Philologist
	<input type="checkbox"/> 3. Linguist
	<input checked="" type="checkbox"/> 4. Etymologist

Question ID :	441009108961
Option 1 ID :	441009433662
Option 2 ID :	441009433660
Option 3 ID :	441009433663
Option 4 ID :	441009433661

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Comprehension:

Read the passage carefully and answer the questions that follow.

Renewable energy is becoming increasingly vital as we look towards a sustainable future. Unlike fossil fuels, which are finite and contribute significantly to environmental degradation, renewable energy sources such as solar, wind, and hydro power are abundant and environmentally friendly. Solar power harnesses energy from the sun using photovoltaic cells. These cells convert sunlight directly into electricity, providing a clean and inexhaustible power source. Wind energy is captured through wind turbines that generate electricity as they spin, driven by the wind's kinetic energy. Hydropower utilises the energy of flowing water, usually from rivers or dams, to generate electricity.

The shift towards renewable energy is crucial for several reasons. First, it helps mitigate climate change by reducing greenhouse gas emissions. Fossil fuels release large amounts of carbon dioxide and other harmful pollutants into the atmosphere, contributing to global warming and health problems. In contrast, renewable energy sources produce little to no emissions during operation. Second, renewable energy promotes energy security by reducing dependence on imported fuels. Countries can harness their natural resources to generate power, leading to greater energy independence and economic stability.

Additionally, the renewable energy sector creates numerous jobs in manufacturing, installation, and maintenance. This not only helps in reducing unemployment rates but also fosters economic growth. Technological advancements in renewable energy are also driving down costs, making these sources more competitive with traditional energy sources. Governments and organisations worldwide are recognising the importance of investing in renewable energy and are implementing policies and incentives to accelerate its adoption.

In summary, the transition to renewable energy is essential for environmental protection, economic stability, and job creation. By investing in solar, wind, and hydro power, we can ensure a sustainable and prosperous future for generations to come.

SubQuestion No : 16

Q.1 Which of the following is NOT a renewable energy source?
6

Ans ✓ 1. coal

✗ 2. wind

✗ 3. solar

✗ 4. hydro

Question ID : 4410091062125

Option 1 ID : 4410094196838

Option 2 ID : 4410094196840

Option 3 ID : 4410094196839

Option 4 ID : 4410094196841

Comprehension:

Read the passage carefully and answer the questions that follow.

Renewable energy is becoming increasingly vital as we look towards a sustainable future. Unlike fossil fuels, which are finite and contribute significantly to environmental degradation, renewable energy sources such as solar, wind, and hydro power are abundant and environmentally friendly. Solar power harnesses energy from the sun using photovoltaic cells. These cells convert sunlight directly into electricity, providing a clean and inexhaustible power source. Wind energy is captured through wind turbines that generate electricity as they spin, driven by the wind's kinetic energy. Hydropower utilises the energy of flowing water, usually from rivers or dams, to generate electricity.

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In summary, the transition to renewable energy is essential for environmental protection, economic stability, and job creation. By investing in solar, wind, and hydro power, we can ensure a sustainable and prosperous future for generations to come.

SubQuestion No : 17

Q.1 What is one significant environmental benefit of renewable energy?
7

- Ans**
- 1. It relies on imported fuels.
 - 2. It is cheaper.
 - 3. It gives little to no emissions.
 - 4. It needs high technological advancements.

Question ID : 4410091062126

Option 1 ID : 4410094196844

Option 2 ID : 4410094196842

Option 3 ID : 4410094196843

Option 4 ID : 4410094196845

Comprehension:

Read the passage carefully and answer the questions that follow.

Renewable energy is becoming increasingly vital as we look towards a sustainable future. Unlike fossil fuels, which are finite and contribute significantly to environmental degradation, renewable energy sources such as solar, wind, and hydro power are abundant and environmentally friendly. Solar power harnesses energy from the sun using photovoltaic cells. These cells convert sunlight directly into electricity, providing a clean and inexhaustible power source. Wind energy is captured through wind turbines that generate electricity as they spin, driven by the wind's kinetic energy. Hydropower utilises the energy of flowing water, usually from rivers or dams, to generate electricity.

The shift towards renewable energy is crucial for several reasons. First, it helps mitigate climate change by reducing greenhouse gas emissions. Fossil fuels release large amounts of carbon dioxide and other harmful pollutants into the atmosphere, contributing to global warming and health problems. In contrast, renewable energy sources produce little to no emissions during operation. Second, renewable energy promotes energy security by reducing dependence on imported fuels. Countries can harness their natural resources to generate power, leading to greater energy independence and economic stability.

Additionally, the renewable energy sector creates numerous jobs in manufacturing, installation, and maintenance. This not only helps in reducing unemployment rates but also fosters economic growth. Technological advancements in renewable energy are also driving down costs, making these sources more competitive with traditional energy sources. Governments and organisations worldwide are recognising the importance of investing in renewable energy and are implementing policies and incentives to accelerate its adoption.

In summary, the transition to renewable energy is essential for environmental protection, economic stability, and job creation. By investing in solar, wind, and hydro power, we can ensure a sustainable and prosperous future for generations to come.

SubQuestion No : 18

Q.1 How does renewable energy contribute to energy security?
8

Ans 1. It is more expensive.

2. It leads to environmental degradation.

3. It reduces dependency on imported fuels.

4. It uses fossil fuels.

Question ID : 4410091062127

Option 1 ID : 4410094196848

Option 2 ID : 4410094196849

Option 3 ID : 4410094196846

Option 4 ID : 4410094196847

Comprehension:

Read the passage carefully and answer the questions that follow.

Renewable energy is becoming increasingly vital as we look towards a sustainable future. Unlike fossil fuels, which are finite and contribute significantly to environmental degradation, renewable energy sources such as solar, wind, and hydro power are abundant and environmentally friendly. Solar power harnesses energy from the sun using photovoltaic cells. These cells convert sunlight directly into electricity, providing a clean and inexhaustible power source. Wind energy is captured through wind turbines that generate electricity as they spin, driven by the wind's kinetic energy. Hydropower utilises the energy of flowing water, usually from rivers or dams, to generate electricity.

The shift towards renewable energy is crucial for several reasons. First, it helps mitigate climate change by reducing greenhouse gas emissions. Fossil fuels release large amounts of carbon dioxide and other harmful pollutants into the atmosphere, contributing to global warming and health problems. In contrast, renewable energy sources produce little to no emissions during operation. Second, renewable energy promotes energy security by reducing dependence on imported fuels. Countries can harness their natural resources to generate power, leading to greater energy independence and economic stability.

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In summary, the transition to renewable energy is essential for environmental protection, economic stability, and job creation. By investing in solar, wind, and hydro power, we can ensure a sustainable and prosperous future for generations to come.

SubQuestion No : 19

Q.1 Which renewable energy source uses photovoltaic cells?
9

Ans 1. hydro engery

2. biomass

3. wind energy

4. solar energy

Question ID : 4410091062128

Option 1 ID : 4410094196851

Option 2 ID : 4410094196853

Option 3 ID : 4410094196850

Option 4 ID : 4410094196852

Comprehension:

Read the passage carefully and answer the questions that follow.

Renewable energy is becoming increasingly vital as we look towards a sustainable future. Unlike fossil fuels, which are finite and contribute significantly to environmental degradation, renewable energy sources such as solar, wind, and hydro power are abundant and environmentally friendly. Solar power harnesses energy from the sun using photovoltaic cells. These cells convert sunlight directly into electricity, providing a clean and inexhaustible power source. Wind energy is captured through wind turbines that generate electricity as they spin, driven by the wind's kinetic energy. Hydropower utilises the energy of flowing water, usually from rivers or dams, to generate electricity.

The shift towards renewable energy is crucial for several reasons. First, it helps mitigate climate change by reducing greenhouse gas emissions. Fossil fuels release large amounts of carbon dioxide and other harmful pollutants into the atmosphere, contributing to global warming and health problems. In contrast, renewable energy sources produce little to no emissions during operation. Second, renewable energy promotes energy security by reducing dependence on imported fuels. Countries can harness their natural resources to generate power, leading to greater energy independence and economic stability.

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In summary, the transition to renewable energy is essential for environmental protection, economic stability, and job creation. By investing in solar, wind, and hydro power, we can ensure a sustainable and prosperous future for generations to come.

SubQuestion No : 20

Q.2 Select the most appropriate title for the passage.
0

- Ans
- 1. Renewable energy and its reluctance
 - 2. Renewable energy and its sources
 - 3. Renewable energy and its impact
 - 4. Renewable energy and its importance

Question ID : 4410091062129

Option 1 ID : 4410094196856

Option 2 ID : 4410094196855

Option 3 ID : 4410094196857

Option 4 ID : 4410094196854

Section : Test of Hindi Language and Comprehension

Q.1 'काम आना' मुहावरे का सही अर्थ है -94

- Ans
- 1. काम के समय गायब हो जाना
 - 2. वीरगति प्राप्त होना
 - 3. काम पर जाना
 - 4. किसी की सहायता करना

Question ID : 4410091054640

Option 1 ID : 4410094167572

Option 2 ID : 4410094167569

Option 3 ID : 4410094167571

Option 4 ID : 4410094167570

Q.2	हमने एक सभा का संघठन किया । वाक्य के किस अंश में अशुद्धि है ? 1180
Ans	<input checked="" type="checkbox"/> 1. हमने
	<input checked="" type="checkbox"/> 2. का संघठन
	<input checked="" type="checkbox"/> 3. एक सभा
	<input checked="" type="checkbox"/> 4. किया ।

Question ID :	4410091057965
Option 1 ID :	4410094180869
Option 2 ID :	4410094180871
Option 3 ID :	4410094180870
Option 4 ID :	4410094180872

Q.3	निम्नांकित मुहावरे के सही अर्थ वाले विकल्प का चयन कीजिए— 'खींचातानी करना' 1167
Ans	<input checked="" type="checkbox"/> 1. बहाने बनाना
	<input checked="" type="checkbox"/> 2. खींचातानी करना
	<input checked="" type="checkbox"/> 3. लूट करना
	<input checked="" type="checkbox"/> 4. धोखा देना

Question ID :	4410091057952
Option 1 ID :	4410094180819
Option 2 ID :	4410094180817
Option 3 ID :	4410094180820
Option 4 ID :	4410094180818

Q.4	वर्तनी की दृष्टि से दिए गए वाक्य के किस अंश में त्रुटि है, पहचानें— पारमार्थिक वस्तु या सत्य के बोध के लिए हृदय का स्वच्छ एवं निर्मल होना आवश्यक है। 1146
Ans	<input checked="" type="checkbox"/> 1. के बोध के लिए हृदय
	<input checked="" type="checkbox"/> 2. पारमार्थिक वस्तु या सत्य
	<input checked="" type="checkbox"/> 3. होना आवश्यक है।
	<input checked="" type="checkbox"/> 4. का स्वच्छ एवं निर्मल

Question ID :	4410091057931
Option 1 ID :	4410094180734
Option 2 ID :	4410094180733
Option 3 ID :	4410094180736
Option 4 ID :	4410094180735

Q.5	रेखांकित शब्द का सही पर्याय अंकित कीजिए। <u>व्यायाम</u> से आलस्य और रोग दूर भागते हैं। 989
Ans	<input checked="" type="checkbox"/> 1. खेल
	<input checked="" type="checkbox"/> 2. कसरत
	<input checked="" type="checkbox"/> 3. निशानेबाजी
	<input checked="" type="checkbox"/> 4. शतरंज

Question ID :	4410091055535
Option 1 ID :	4410094171149
Option 2 ID :	4410094171150
Option 3 ID :	4410094171152
Option 4 ID :	4410094171151

Q.6	निम्नलिखित वाक्य कारक के आधार पर पूर्ण कीजिए। यदि पुलिस अधिकारी धैर्य _____ काम लेते तो बात इतनी आगे नहीं बढ़ती।
Ans	<input checked="" type="checkbox"/> 1. के
	<input checked="" type="checkbox"/> 2. से
	<input checked="" type="checkbox"/> 3. में
	<input checked="" type="checkbox"/> 4. को

Question ID :	4410091004753
Option 1 ID :	4410093970597
Option 2 ID :	4410093970598
Option 3 ID :	4410093970595
Option 4 ID :	4410093970596

Q.7	निम्नलिखित वाक्य कारक के आधार पर पूर्ण कीजिए। यथाशीघ्र ध्वनि विस्तारक यंत्रों _____ प्रतिबंध लगाना चाहिए।
Ans	<input checked="" type="checkbox"/> 1. के लिए
	<input checked="" type="checkbox"/> 2. ने
	<input checked="" type="checkbox"/> 3. पर
	<input checked="" type="checkbox"/> 4. में

Question ID :	4410091004754
Option 1 ID :	4410093970602
Option 2 ID :	4410093970601
Option 3 ID :	4410093970600
Option 4 ID :	4410093970599

Q.8	नीचे दिए गए विकल्पों में से सही क्रम वाले वाक्य का चयन कीजिए।
Ans	<input checked="" type="checkbox"/> 1. शब्द का प्रयोग में आर्य ऋग्वेद छत्तीस बार हुआ है।
	<input checked="" type="checkbox"/> 2. में आर्य ऋग्वेद शब्द का प्रयोग छत्तीस बार हुआ है।
	<input checked="" type="checkbox"/> 3. ऋग्वेद में आर्य शब्द का प्रयोग छत्तीस बार हुआ है।
	<input checked="" type="checkbox"/> 4. छत्तीस बार हुआ है शब्द का प्रयोग में आर्य ऋग्वेद ।

Question ID :	4410091050935
Option 1 ID :	4410094152811
Option 2 ID :	4410094152810
Option 3 ID :	4410094152809
Option 4 ID :	4410094152812

Q.9	श्लेषक रात में निकलता है। वाक्य का रेखांकित शब्द किसका पर्याय है ?
Ans	<input checked="" type="checkbox"/> 1. सिपाही
	<input checked="" type="checkbox"/> 2. चूहा
	<input checked="" type="checkbox"/> 3. उल्लू
	<input checked="" type="checkbox"/> 4. चोर

Question ID :	4410091057946
Option 1 ID :	4410094180796
Option 2 ID :	4410094180794
Option 3 ID :	4410094180793
Option 4 ID :	4410094180795

Q.1 0	'पशु के आचरण जैसा' वाक्यांश के लिए एक सार्थक शब्द क्या है?2
Ans	<input checked="" type="checkbox"/> 1. पार्थिव
	<input checked="" type="checkbox"/> 2. पारदर्शक
	<input checked="" type="checkbox"/> 3. पाशविक
	<input checked="" type="checkbox"/> 4. क्रूरता

Question ID :	4410091051496
Option 1 ID :	4410094155053
Option 2 ID :	4410094155056
Option 3 ID :	4410094155055
Option 4 ID :	4410094155054

Q.1 1	निम्नलिखित वाक्य कारक के आधार पर पूर्ण कीजिए। सब मनुष्य समान रूप से जन्म लेते हैं _____ सत्संग _____ वे सद्गुण प्राप्त करते हैं।
Ans	<input checked="" type="checkbox"/> 1. में, पर
	<input checked="" type="checkbox"/> 2. से, में
	<input checked="" type="checkbox"/> 3. पर, से
	<input checked="" type="checkbox"/> 4. के लिए

Question ID :	4410091004762
Option 1 ID :	4410093970634
Option 2 ID :	4410093970633
Option 3 ID :	4410093970631
Option 4 ID :	4410093970632

Q.1 2	नीचे दिये गये वाक्य का सही क्रम चुनिए. 'युग में आधुनिक पत्रलेखन को 'कला' की संज्ञा दी गयी है' ⁸³
Ans	<input checked="" type="checkbox"/> 1. आधुनिक पत्रलेखन में को युग 'कला' की संज्ञा दी गयी है
	<input checked="" type="checkbox"/> 2. में युग आधुनिक पत्रलेखन को संज्ञा दी गयी है 'कला' की
	<input checked="" type="checkbox"/> 3. आधुनिक युग में पत्रलेखन को 'कला' की संज्ञा दी गयी है
	<input checked="" type="checkbox"/> 4. संज्ञा दी गयी है आधुनिक पत्रलेखन युग में को की कला

Question ID :	4410091050917
Option 1 ID :	4410094152738
Option 2 ID :	4410094152737
Option 3 ID :	4410094152739
Option 4 ID :	4410094152740

Q.1 3	निम्नलिखित वाक्यांश के लिए सही सार्थक शब्द अंकित कीजिए। जिसकी थाह न हो
Ans	<input checked="" type="checkbox"/> 1. अतिथि
	<input checked="" type="checkbox"/> 2. अथाह
	<input checked="" type="checkbox"/> 3. अस्त
	<input checked="" type="checkbox"/> 4. अर्थात

Question ID :	4410091051485
Option 1 ID :	4410094155009
Option 2 ID :	4410094155010
Option 3 ID :	4410094155011
Option 4 ID :	4410094155012

Q.1	निम्नलिखित वाक्य कारक के आधार पर पूर्ण कीजिए।
4	ऊंचाई तक पहुँचने --- पीड़ा सहनी पड़ती है।
Ans	<input checked="" type="checkbox"/> 1. में
	<input checked="" type="checkbox"/> 2. के लिए
	<input checked="" type="checkbox"/> 3. से
	<input checked="" type="checkbox"/> 4. पर

Question ID :	4410091004763
Option 1 ID :	4410093970637
Option 2 ID :	4410093970636
Option 3 ID :	4410093970635
Option 4 ID :	4410093970638

Q.1	निम्नलिखित वाक्य कारक के आधार पर पूर्ण कीजिए।
5	वैज्ञानिक अनुसंधान के क्षेत्र में भारत _____ प्रगति प्रशंसनीय रही है।
Ans	<input checked="" type="checkbox"/> 1. के
	<input checked="" type="checkbox"/> 2. कि
	<input checked="" type="checkbox"/> 3. का
	<input checked="" type="checkbox"/> 4. की

Question ID :	4410091004743
Option 1 ID :	4410093970555
Option 2 ID :	4410093970556
Option 3 ID :	4410093970558
Option 4 ID :	4410093970557

Comprehension:

दिए गए गद्यांश को पढ़कर नीचे लिखे प्रश्नों के उत्तर दीजिए -

भारत की पहचान सदा से धर्म एवं संस्कृति ही रही है। ये दोनों एक-दूसरे के पूरक हैं। जहाँ धर्म, संस्कृति का आधार है, वहीं संस्कृति, धर्म की संवाहिका है। धर्म जहाँ अपनी स्वाभाविकता के साथ सामाजिक परिवेश का आधार बनता है, वहीं संस्कृति सामाजिक मूल्यों का स्थायी निर्माण करती है। धर्म का सूत्र मानव के सर्वांगीण विकास को सुनिश्चित करता है तो वहीं संस्कृति मानवीय संवेदनाओं को सामाजिक सरोकार से जोड़ती है। जहाँ धर्म हमारे सर्वस्व का प्रतीक रहा है तो वहीं संस्कृति हमारी स्वाभाविक जीवनशैली की वाहिका रही है। दोनों ने ही भारतीय मूल्यों को जीवंत रखा है और संसार में इसी कारण से भारत का मान-सम्मान रहा है।

प्राचीन समय में धर्म एक नागरिक के जीवन के उद्देश्यों का आधार था भारत की सारी व्यवस्थाएँ संस्कृति पर आधारित थीं। संस्कृति का सौरभ ही हमारे राष्ट्र का सौरभ था। यह भारतीय धर्म की विशेषता रही है कि वह जटिलताओं में जकड़ा न रहा और सतत चिंतन की अवधारणा को विकसित होने में सहायक सिद्ध हुआ, जिसके कारण अनेक भारतीय धर्मों का उदय हुआ। बौद्ध, जैन एवं बाद में सिख धर्म ने अपनी चिंतनशैली को विकसित किया, परंतु मूल में सनातन धर्म ही रहा। सनातन धर्म का आशय हिंदू धर्म मात्र से नहीं, बल्कि बौद्ध, जैन, सिख धर्म से भी है।

128

SubQuestion No : 16

Q.1	उपर्युक्त गद्यांश का शीर्षक होगा-9
6	
Ans	<input checked="" type="checkbox"/> 1. संस्कृति धर्म की संवाहिका
	<input checked="" type="checkbox"/> 2. सनातन धर्म
	<input checked="" type="checkbox"/> 3. धर्म और संस्कृति की भूमिका
	<input checked="" type="checkbox"/> 4. प्राचीन समय में धर्म

Question ID :	4410091065000
Option 1 ID :	4410094206582
Option 2 ID :	4410094206581
Option 3 ID :	4410094206580
Option 4 ID :	4410094206579

Comprehension:

दिए गए गद्यांश को पढ़कर नीचे लिखे प्रश्नों के उत्तर दीजिए -

भारत की पहचान सदा से धर्म एवं संस्कृति ही रही है। ये दोनों एक-दूसरे के पूरक हैं। जहाँ धर्म, संस्कृति का आधार है, वहीं संस्कृति, धर्म की संवाहिका है। धर्म जहाँ अपनी स्वाभाविकता के साथ सामाजिक परिवेश का आधार बनता है, वहीं संस्कृति सामाजिक मूल्यों का स्थायी निर्माण करती है। धर्म का सूत्र मानव के सर्वांगीण विकास को सुनिश्चित करता है तो वहीं संस्कृति मानवीय संवेदनाओं को सामाजिक सरोकार से जोड़ती है। जहाँ धर्म हमारे सर्वस्व का प्रतीक रहा है तो वहीं संस्कृति हमारी स्वाभाविक जीवनशैली की वाहिका रही है। दोनों ने ही भारतीय मूल्यों को जीवंत रखा है और संसार में इसी कारण से भारत का मान-सम्मान रहा है।

प्राचीन समय में धर्म एक नागरिक के जीवन के उद्देश्यों का आधार था भारत की सारी व्यवस्थाएँ संस्कृति पर आधारित थीं। संस्कृति का सौरभ ही हमारे राष्ट्र का सौरभ था। यह भारतीय धर्म की विशेषता रही है कि वह जटिलताओं में जकड़ा न रहा और सतत चिंतन की अवधारणा को विकसित होने में सहायक सिद्ध हुआ, जिसके कारण अनेक भारतीय धर्मों का उदय हुआ। बौद्ध, जैन एवं बाद में सिख धर्म ने अपनी चिंतनशैली को विकसित किया, परंतु मूल में सनातन धर्म ही रहा। सनातन धर्म का आशय हिंदू धर्म मात्र से नहीं, बल्कि बौद्ध, जैन, सिख धर्म से भी है।

128

SubQuestion No : 17

Q.1 उपर्युक्त गद्यांश के अनुसार भारतीय धर्म माध्यम बना -
7 130

Ans 1. सांप्रदायिक दंगों का

2. अनेक भारतीय धर्मों के उदय का

3. धार्मिक कट्टरता का

4. सामाजिक कुरीतियों के जन्म का

Question ID : 4410091065001

Option 1 ID : 4410094206584

Option 2 ID : 4410094206585

Option 3 ID : 4410094206583

Option 4 ID : 4410094206586

Comprehension:

दिए गए गद्यांश को पढ़कर नीचे लिखे प्रश्नों के उत्तर दीजिए -

भारत की पहचान सदा से धर्म एवं संस्कृति ही रही है। ये दोनों एक-दूसरे के पूरक हैं। जहाँ धर्म, संस्कृति का आधार है, वहीं संस्कृति, धर्म की संवाहिका है। धर्म जहाँ अपनी स्वाभाविकता के साथ सामाजिक परिवेश का आधार बनता है, वहीं संस्कृति सामाजिक मूल्यों का स्थायी निर्माण करती है। धर्म का सूत्र मानव के सर्वांगीण विकास को सुनिश्चित करता है तो वहीं संस्कृति मानवीय संवेदनाओं को सामाजिक सरोकार से जोड़ती है। जहाँ धर्म हमारे सर्वस्व का प्रतीक रहा है तो वहीं संस्कृति हमारी स्वाभाविक जीवनशैली की वाहिका रही है। दोनों ने ही भारतीय मूल्यों को जीवंत रखा है और संसार में इसी कारण से भारत का मान-सम्मान रहा है।

प्राचीन समय में धर्म एक नागरिक के जीवन के उद्देश्यों का आधार था भारत की सारी व्यवस्थाएँ संस्कृति पर आधारित थीं। संस्कृति का सौरभ ही हमारे राष्ट्र का सौरभ था। यह भारतीय धर्म की विशेषता रही है कि वह जटिलताओं में जकड़ा न रहा और सतत चिंतन की अवधारणा को विकसित होने में सहायक सिद्ध हुआ, जिसके कारण अनेक भारतीय धर्मों का उदय हुआ। बौद्ध, जैन एवं बाद में सिख धर्म ने अपनी चिंतनशैली को विकसित किया, परंतु मूल में सनातन धर्म ही रहा। सनातन धर्म का आशय हिंदू धर्म मात्र से नहीं, बल्कि बौद्ध, जैन, सिख धर्म से भी है।

128

SubQuestion No : 18

Q.1 संसार में भारत का मान-सम्मान रहा है क्योंकि - 131
8

Ans 1. धर्म और संस्कृति दोनों ने ही भारतीय मूल्यों को जीवंत रखा है।

2. धर्म और संस्कृति दोनों ही पाश्चात्य सभ्यता के अनुगामी हैं।

3. धर्म और संस्कृति दोनों ही मानवीय संवेदनाओं से परे हैं।

4. धर्म और संस्कृति दोनों ने ही भारतीय मूल्यों की अवहेलना की है।

Question ID : 4410091065002

Option 1 ID : 4410094206590

Option 2 ID : 4410094206588

Option 3 ID : 4410094206589

Option 4 ID : 4410094206587

Comprehension:

दिए गए गद्यांश को पढ़कर नीचे लिखे प्रश्नों के उत्तर दीजिए -

भारत की पहचान सदा से धर्म एवं संस्कृति ही रही है। ये दोनों एक-दूसरे के पूरक हैं। जहाँ धर्म, संस्कृति का आधार है, वहीं संस्कृति, धर्म की संवाहिका है। धर्म जहाँ अपनी स्वाभाविकता के साथ सामाजिक परिवेश का आधार बनता है, वहीं संस्कृति सामाजिक मूल्यों का स्थायी निर्माण करती है। धर्म का सूत्र मानव के सर्वांगीण विकास को सुनिश्चित करता है तो वहीं संस्कृति मानवीय संवेदनाओं को सामाजिक सरोकार से जोड़ती है। जहाँ धर्म हमारे सर्वस्व का प्रतीक रहा है तो वहीं संस्कृति हमारी स्वाभाविक जीवनशैली की वाहिका रही है। दोनों ने ही भारतीय मूल्यों को जीवंत रखा है और संसार में इसी कारण से भारत का मान-सम्मान रहा है।

प्राचीन समय में धर्म एक नागरिक के जीवन के उद्देश्यों का आधार था भारत की सारी व्यवस्थाएँ संस्कृति पर आधारित थीं। संस्कृति का सौरभ ही हमारे राष्ट्र का सौरभ था। यह भारतीय धर्म की विशेषता रही है कि वह जटिलताओं में जकड़ा न रहा और सतत चिंतन की अवधारणा को विकसित होने में सहायक सिद्ध हुआ, जिसके कारण अनेक भारतीय धर्मों का उदय हुआ। बौद्ध, जैन एवं बाद में सिख धर्म ने अपनी चिंतनशैली को विकसित किया, परंतु मूल में सनातन धर्म ही रहा। सनातन धर्म का आशय हिंदू धर्म मात्र से नहीं, बल्कि बौद्ध, जैन, सिख धर्म से भी है।

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SubQuestion No : 19**Q.1 सनातन धर्म का आशय है -**

9 132

Ans ✓ 1. हिंदू, बौद्ध, जैन, सिख धर्म से

✗ 2. हिंदू धर्म मात्र से

✗ 3. मुस्लिम, हिंदू धर्म से

✗ 4. ईसाई धर्म मात्र से

Question ID : 4410091065003

Option 1 ID : 4410094206592

Option 2 ID : 4410094206591

Option 3 ID : 4410094206593

Option 4 ID : 4410094206594

Comprehension:

दिए गए गद्यांश को पढ़कर नीचे लिखे प्रश्नों के उत्तर दीजिए -

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SubQuestion No : 20**Q.2 'अवधारणा' शब्द का अर्थ है - 133**

0

Ans ✓ 1. सुविचारित धारणा

✗ 2. अवधान

✗ 3. मनोयोग

✗ 4. अवधीरण

Question ID : 4410091065004

Option 1 ID : 4410094206595

Option 2 ID : 4410094206597

Option 3 ID : 4410094206596

Option 4 ID : 4410094206598

Section : Discipline1

Q.1 Baking soda is prepared by the reaction of:

- Ans
- 1. sodium chloride, ammonia, water, and carbon dioxide
 - 2. sodium carbonate and water
 - 3. sodium sulfate and carbon dioxide
 - 4. sodium hydroxide and hydrochloric acid

Question ID : 4410091186370

Option 1 ID : 4410094679681

Option 2 ID : 4410094679684

Option 3 ID : 4410094679682

Option 4 ID : 4410094679683

Q.2 Elements in the same group of the periodic table have the same:

- Ans
- 1. atomic number
 - 2. valence electrons
 - 3. number of shells
 - 4. atomic masses

Question ID : 4410091198171

Option 1 ID : 4410094726581

Option 2 ID : 4410094726579

Option 3 ID : 4410094726582

Option 4 ID : 4410094726580

Q.3 Identify the correct order of electronegativity across Period 2 from left to right.

- Ans
- 1. $\text{Li} < \text{B} < \text{C} < \text{Be} < \text{N} < \text{F} < \text{O}$
 - 2. $\text{F} < \text{O} < \text{N} < \text{C} < \text{B} < \text{Be} < \text{Li}$
 - 3. $\text{Li} < \text{Be} < \text{B} < \text{N} < \text{C} < \text{O} < \text{F}$
 - 4. $\text{Li} < \text{Be} < \text{B} < \text{C} < \text{N} < \text{O} < \text{F}$

Question ID : 4410091172867

Option 1 ID : 4410094625636

Option 2 ID : 4410094625635

Option 3 ID : 4410094625637

Option 4 ID : 4410094625634

Q.4 Which of the following methods is used to prepare washing soda?

- Ans
- 1. Neutralising a strong acid with a weak base
 - 2. Reacting a base with water
 - 3. Heating baking soda
 - 4. Directly dissolving sodium carbonate in water

Question ID : 4410091192701

Option 1 ID : 4410094704733

Option 2 ID : 4410094704734

Option 3 ID : 4410094704731

Option 4 ID : 4410094704732

Q.5	Which group in the periodic table contains the most electronegative elements?
Ans	<input checked="" type="checkbox"/> 1. Group-15
	<input checked="" type="checkbox"/> 2. Group-17
	<input checked="" type="checkbox"/> 3. Group-11
	<input checked="" type="checkbox"/> 4. Group-16

Question ID :	4410091198123
Option 1 ID :	4410094726388
Option 2 ID :	4410094726389
Option 3 ID :	4410094726387
Option 4 ID :	4410094726390

Q.6	Which compound is the primary constituent of Plaster of Paris?
Ans	<input checked="" type="checkbox"/> 1. Calcium Sulphate Hemihydrate
	<input checked="" type="checkbox"/> 2. Potassium Chloride
	<input checked="" type="checkbox"/> 3. Calcium Carbonate
	<input checked="" type="checkbox"/> 4. Sodium Chloride

Question ID :	4410091189498
Option 1 ID :	4410094692170
Option 2 ID :	4410094692172
Option 3 ID :	4410094692173
Option 4 ID :	4410094692171

Q.7	Which trend is NOT true about metallic and non-metallic character?
Ans	<input checked="" type="checkbox"/> 1. Metallic character decreases down a group.
	<input checked="" type="checkbox"/> 2. Non-metallic character decreases down a group.
	<input checked="" type="checkbox"/> 3. Non-metallic character increases across a period.
	<input checked="" type="checkbox"/> 4. Metallic character decreases across a period.

Question ID :	4410091173017
Option 1 ID :	4410094626235
Option 2 ID :	4410094626236
Option 3 ID :	4410094626233
Option 4 ID :	4410094626234

Q.8	An element has atomic number 17. What is its electronic configuration and valency?
Ans	<input checked="" type="checkbox"/> 1. 2, 8, 1 and valency 1
	<input checked="" type="checkbox"/> 2. 2, 8, 7 and valency 7
	<input checked="" type="checkbox"/> 3. 2, 8, 8 and valency 0
	<input checked="" type="checkbox"/> 4. 2, 8, 7 and valency 1

Question ID :	4410091173448
Option 1 ID :	4410094627940
Option 2 ID :	4410094627938
Option 3 ID :	4410094627941
Option 4 ID :	4410094627939

Q.9	When iron nail is dipped in aqueous copper sulphate solution, the nail becomes brownish in colour. What is the correct explanation of this observation?
Ans	<input checked="" type="checkbox"/> 1. Copper is displaced by iron and gets deposited on the nail. <input type="checkbox"/> 2. The brown colour is due to the rust formation on iron. <input type="checkbox"/> 3. Iron displaces hydrogen from water, forming iron oxide. <input type="checkbox"/> 4. Iron reacts with water to form brown oxide.

Question ID :	4410091172097
Option 1 ID :	4410094622568
Option 2 ID :	4410094622566
Option 3 ID :	4410094622569
Option 4 ID :	4410094622567

Q.1	Which of the following is a decomposition reaction?
0	
Ans	<input type="checkbox"/> 1. $2\text{H}_2 + \text{O}_2 \rightarrow 2\text{H}_2\text{O}$ <input type="checkbox"/> 2. $\text{NaCl} + \text{AgNO}_3 \rightarrow \text{AgCl} + \text{NaNO}_3$ <input type="checkbox"/> 3. $\text{Fe} + \text{CuSO}_4 \rightarrow \text{FeSO}_4 + \text{Cu}$ <input checked="" type="checkbox"/> 4. $\text{CaCO}_3 \rightarrow \text{CaO} + \text{CO}_2$

Question ID :	4410091179597
Option 1 ID :	4410094652523
Option 2 ID :	4410094652526
Option 3 ID :	4410094652525
Option 4 ID :	4410094652524

Q.1	In a reaction, lead nitrate reacts with potassium iodide to form:
1	
Ans	<input type="checkbox"/> 1. colourless solution <input checked="" type="checkbox"/> 2. yellow ppt <input type="checkbox"/> 3. white ppt <input type="checkbox"/> 4. gas evolution

Question ID :	4410091179660
Option 1 ID :	4410094652773
Option 2 ID :	4410094652772
Option 3 ID :	4410094652771
Option 4 ID :	4410094652774

Q.1	What is the sum of all stoichiometric coefficients in the smallest integer balanced equation?
2	$\text{PtCl}_4 + \text{XeF}_2 \rightarrow \text{PtF}_6 + \text{ClF} + \text{Xe}$.
Ans	<input checked="" type="checkbox"/> 1. 16 <input type="checkbox"/> 2. 32 <input type="checkbox"/> 3. 18 <input type="checkbox"/> 4. 24

Question ID :	4410091192788
Option 1 ID :	4410094705078
Option 2 ID :	4410094705077
Option 3 ID :	4410094705076
Option 4 ID :	4410094705075

Q.1 3	Which of the following is a correct set of reactants required for the preparation of baking soda, in the Solvay process?
Ans	<input type="checkbox"/> 1. NaOH + CO ₂
	<input type="checkbox"/> 2. Na ₂ CO ₃ + NH ₄ Cl
	<input checked="" type="checkbox"/> 3. NaCl + NH ₃ + CO ₂ + H ₂ O
	<input type="checkbox"/> 4. NaCl + HCl + NH ₃

Question ID :	4410091141489
Option 1 ID :	4410094500915
Option 2 ID :	4410094500914
Option 3 ID :	4410094500913
Option 4 ID :	4410094500912

Q.1 4	A student was performing lab experiments using sodium carbonate. What will happen when Na ₂ CO ₃ is added to CaCl ₂ ?
Ans	<input type="checkbox"/> 1. Yellow precipitate of CaCO ₃ is formed
	<input type="checkbox"/> 2. NaCl is formed
	<input type="checkbox"/> 3. White precipitate of calcium hydroxide is formed
	<input checked="" type="checkbox"/> 4. White precipitate of CaCO ₃ is formed

Question ID :	4410091179707
Option 1 ID :	4410094652956
Option 2 ID :	4410094652958
Option 3 ID :	4410094652957
Option 4 ID :	4410094652955

Q.1 5	Which of the following is NOT a use of sodium hydroxide?
Ans	<input type="checkbox"/> 1. Soap Making
	<input checked="" type="checkbox"/> 2. Baking cakes and pastries
	<input type="checkbox"/> 3. Paper industry
	<input type="checkbox"/> 4. Making artificial fibres like rayon

Question ID :	4410091164496
Option 1 ID :	4410094592510
Option 2 ID :	4410094592511
Option 3 ID :	4410094592512
Option 4 ID :	4410094592513

Q.1 6	How is bleaching powder prepared?
Ans	<input checked="" type="checkbox"/> 1. By reacting chlorine gas with dry slaked lime
	<input type="checkbox"/> 2. By reacting calcium carbonate with a base
	<input type="checkbox"/> 3. By reacting calcium oxide with nitrogen
	<input type="checkbox"/> 4. By reacting calcium chloride with oxygen

Question ID :	4410091189470
Option 1 ID :	4410094692058
Option 2 ID :	4410094692061
Option 3 ID :	4410094692059
Option 4 ID :	4410094692060

Q.1 7	What is the pH of a buffer solution made by mixing 0.45 M acetic acid and 0.85 M sodium acetate? ($K_a = 1.8 \times 10^{-5}$.)
Ans	<input type="checkbox"/> 1. 8.3
	<input type="checkbox"/> 2. 2.6
	<input checked="" type="checkbox"/> 3. 5.02
	<input type="checkbox"/> 4. 6.9

Question ID :	4410091186133
Option 1 ID :	4410094678828
Option 2 ID :	4410094678829
Option 3 ID :	4410094678827
Option 4 ID :	4410094678830

Q.1 8	The H^+ ion concentration of a solution is tripled. How does its pH change?
Ans	<input type="checkbox"/> 1. Increases by 0.5
	<input checked="" type="checkbox"/> 2. Decrease by 0.48
	<input type="checkbox"/> 3. Increases by 1.0
	<input type="checkbox"/> 4. Decreases by 1.0

Question ID :	4410091141224
Option 1 ID :	4410094499844
Option 2 ID :	4410094499845
Option 3 ID :	4410094499846
Option 4 ID :	4410094499847

Q.1 9	Which of the following is an example of oxidation that leads to rancidity in food?
Ans	<input type="checkbox"/> 1. Hydrolysis of carbohydrates
	<input type="checkbox"/> 2. Breakdown of proteins
	<input type="checkbox"/> 3. Fermentation of glucose
	<input checked="" type="checkbox"/> 4. Reaction of fats with oxygen

Question ID :	4410091172638
Option 1 ID :	4410094624718
Option 2 ID :	4410094624719
Option 3 ID :	4410094624721
Option 4 ID :	4410094624720

Q.2 0	Which of the following statements about neutralisation is NOT true?
Ans	<input checked="" type="checkbox"/> 1. It occurs only between strong acids and strong bases.
	<input type="checkbox"/> 2. It involves transfer of H^+ ions from acid to base.
	<input type="checkbox"/> 3. It is always exothermic.
	<input type="checkbox"/> 4. It always results in the formation of salt and water.

Question ID :	4410091172602
Option 1 ID :	4410094624580
Option 2 ID :	4410094624581
Option 3 ID :	4410094624579
Option 4 ID :	4410094624578

Q.1	Gregor Johann Mendel used a number of contrasting visible characters of _____.
Ans	<input checked="" type="checkbox"/> 1. garden pea plants
	<input type="checkbox"/> 2. rose plants
	<input type="checkbox"/> 3. mustard plants
	<input type="checkbox"/> 4. mango plants

Question ID :	441009946089
Option 1 ID :	4410093737876
Option 2 ID :	4410093737875
Option 3 ID :	4410093737873
Option 4 ID :	4410093737874

Q.2	Which of the following items from daily household waste is non-biodegradable?
Ans	<input checked="" type="checkbox"/> 1. Milk packets
	<input type="checkbox"/> 2. Used tea leaves
	<input type="checkbox"/> 3. Vegetable peels
	<input type="checkbox"/> 4. Spoilt food

Question ID :	441009946081
Option 1 ID :	4410093737844
Option 2 ID :	4410093737843
Option 3 ID :	4410093737842
Option 4 ID :	4410093737841

Q.3	Which of the following is NOT a characteristic of living organisms?
Ans	<input type="checkbox"/> 1. Reproduction
	<input checked="" type="checkbox"/> 2. Inability to respond to stimuli
	<input type="checkbox"/> 3. Respiration
	<input type="checkbox"/> 4. Growth

Question ID :	441009945886
Option 1 ID :	4410093737062
Option 2 ID :	4410093737064
Option 3 ID :	4410093737063
Option 4 ID :	4410093737061

Q.4	Why does fission not lead to genetic diversity in the offspring of unicellular plants?
Ans	<input type="checkbox"/> 1. It occurs only in multicellular organisms
	<input type="checkbox"/> 2. It always occurs during stressful environmental conditions
	<input checked="" type="checkbox"/> 3. It is a form of asexual reproduction where the offspring is genetically identical to the parent
	<input type="checkbox"/> 4. It involves the fusion of gametes

Question ID :	441009945926
Option 1 ID :	4410093737224
Option 2 ID :	4410093737222
Option 3 ID :	4410093737223
Option 4 ID :	4410093737221

Q.5	Which of the following processes is primarily responsible for the production of energy in plants?
Ans	<input checked="" type="checkbox"/> 1. Photosynthesis
	<input type="checkbox"/> 2. Fermentation
	<input type="checkbox"/> 3. Transpiration
	<input type="checkbox"/> 4. Respiration

Question ID :	441009945811
Option 1 ID :	4410093736761
Option 2 ID :	4410093736763
Option 3 ID :	4410093736764
Option 4 ID :	4410093736762

Q.6	Which of the following statements is false in respect to waterman, Dr. Rajendra Singh?
Ans	<input type="checkbox"/> 1. He won the Stockholm Water Prize in 2015 for water conservation.
	<input type="checkbox"/> 2. He used traditional methods to save thousands of villages.
	<input checked="" type="checkbox"/> 3. He built 7600 johads and other water structures in Rajasthan.
	<input type="checkbox"/> 4. He brought water back to 1000 villages in Rajasthan.

Question ID :	441009946087
Option 1 ID :	4410093737868
Option 2 ID :	4410093737865
Option 3 ID :	4410093737866
Option 4 ID :	4410093737867

Q.7	In which year were cells first discovered and observed by Robert Hooke?
Ans	<input checked="" type="checkbox"/> 1. 1665
	<input type="checkbox"/> 2. 1670
	<input type="checkbox"/> 3. 1664
	<input type="checkbox"/> 4. 1667

Question ID :	441009945897
Option 1 ID :	4410093737107
Option 2 ID :	4410093737108
Option 3 ID :	4410093737106
Option 4 ID :	4410093737105

Q.8	Which of the following is a method of asexual reproduction in plants that involves the regeneration of new individuals from parts of the parent plant?
Ans	<input checked="" type="checkbox"/> 1. Vegetative propagation
	<input type="checkbox"/> 2. Fertilisation
	<input type="checkbox"/> 3. Seed formation
	<input type="checkbox"/> 4. Pollination

Question ID :	441009945915
Option 1 ID :	4410093737178
Option 2 ID :	4410093737177
Option 3 ID :	4410093737180
Option 4 ID :	4410093737179

Q.9	Which of the following organisms help in degradation of biodegradable substances?
Ans	<input type="checkbox"/> 1. Bryophytes
	<input type="checkbox"/> 2. Algae
	<input checked="" type="checkbox"/> 3. Bacteria
	<input type="checkbox"/> 4. Pteridophytes

Question ID :	441009945988
Option 1 ID :	4410093737470
Option 2 ID :	4410093737469
Option 3 ID :	4410093737472
Option 4 ID :	4410093737471

Q.10	In plasmodium, fission happens simultaneously by which of the following ways?
Ans	<input type="checkbox"/> 1. Binary Fission
	<input checked="" type="checkbox"/> 2. Multiple fission
	<input type="checkbox"/> 3. Fragmentation
	<input type="checkbox"/> 4. Budding

Question ID :	441009945924
Option 1 ID :	4410093737213
Option 2 ID :	4410093737214
Option 3 ID :	4410093737216
Option 4 ID :	4410093737215

Q.11	In which of the following scenarios does fragmentation occur?
Ans	<input type="checkbox"/> 1. When a plant is exposed to extreme temperatures
	<input checked="" type="checkbox"/> 2. When a simple multicellular organism breaks into fragments
	<input type="checkbox"/> 3. During the process of fertilisation
	<input type="checkbox"/> 4. During the formation of seeds

Question ID :	441009945921
Option 1 ID :	4410093737202
Option 2 ID :	4410093737203
Option 3 ID :	4410093737204
Option 4 ID :	4410093737201

Q.12	Which of the following is true for asexual reproduction in plants?
Ans	<input type="checkbox"/> 1. For seed formation, fertilisation is required in ovule.
	<input type="checkbox"/> 2. Plants can give rise to new plants from seeds.
	<input checked="" type="checkbox"/> 3. Plants can give rise to new plants without seeds.
	<input type="checkbox"/> 4. Fertilised ovule develops into seeds.

Question ID :	441009946062
Option 1 ID :	4410093737767
Option 2 ID :	4410093737766
Option 3 ID :	4410093737765
Option 4 ID :	4410093737768

Q.1 3	Why is it difficult to study elements individually without classification?
Ans	<input checked="" type="checkbox"/> 1. Each element has the same chemical properties.
	<input checked="" type="checkbox"/> 2. It is impossible to memorise all elements.
	<input checked="" type="checkbox"/> 3. Most elements are synthetic.
	<input checked="" type="checkbox"/> 4. There are too many elements with varying properties.

Question ID :	4410091173236
Option 1 ID :	4410094627098
Option 2 ID :	4410094627099
Option 3 ID :	4410094627101
Option 4 ID :	4410094627100

Q.1 4	Which of the following statements is INCORRECT for asexual reproduction by regeneration method?
Ans	<input checked="" type="checkbox"/> 1. Fully developed organisms can form new individuals from body parts.
	<input checked="" type="checkbox"/> 2. Special cells help regeneration by dividing rapidly.
	<input checked="" type="checkbox"/> 3. Pieces of an organism can grow into separate individuals.
	<input checked="" type="checkbox"/> 4. Any piece of Spirogyra forms a complete organism.

Question ID :	441009946041
Option 1 ID :	4410093737681
Option 2 ID :	4410093737684
Option 3 ID :	4410093737682
Option 4 ID :	4410093737683

Q.1 5	Which property is similar among elements that belong to the same group in the periodic table?
Ans	<input checked="" type="checkbox"/> 1. Physical properties only
	<input checked="" type="checkbox"/> 2. Number of neutrons
	<input checked="" type="checkbox"/> 3. Chemical properties
	<input checked="" type="checkbox"/> 4. Number of protons and neutrons

Question ID :	4410091198163
Option 1 ID :	4410094726550
Option 2 ID :	4410094726549
Option 3 ID :	4410094726547
Option 4 ID :	4410094726548

Q.1 6	Which of the following is an intra-uterine contraceptive?
Ans	<input checked="" type="checkbox"/> 1. Pills
	<input checked="" type="checkbox"/> 2. Implants
	<input checked="" type="checkbox"/> 3. Condoms
	<input checked="" type="checkbox"/> 4. Copper T

Question ID :	441009945986
Option 1 ID :	4410093737463
Option 2 ID :	4410093737464
Option 3 ID :	4410093737462
Option 4 ID :	4410093737461

Q.1	Which of these is NOT biodegradable?
7	
Ans	<input checked="" type="checkbox"/> 1. Plastic cups
	<input type="checkbox"/> 2. Kulhads
	<input type="checkbox"/> 3. Disposable paper cups
	<input type="checkbox"/> 4. Vegetable peels

Question ID :	441009946082
Option 1 ID :	4410093737847
Option 2 ID :	4410093737846
Option 3 ID :	4410093737845
Option 4 ID :	4410093737848

Q.1	Which of the following statements is true regarding ozone depletion?
8	
Ans	<input checked="" type="checkbox"/> 1. It has been accelerated by human-made chemicals.
	<input type="checkbox"/> 2. It is primarily caused by volcanic eruptions.
	<input type="checkbox"/> 3. It is a natural phenomenon that has always occurred.
	<input type="checkbox"/> 4. Ozone depletion only occurs in the polar regions.

Question ID :	441009945840
Option 1 ID :	4410093736879
Option 2 ID :	4410093736878
Option 3 ID :	4410093736877
Option 4 ID :	4410093736880

Q.1	Various components of the forests are _____ one another.
9	
Ans	<input type="checkbox"/> 1. aligned to
	<input checked="" type="checkbox"/> 2. interdependent on
	<input type="checkbox"/> 3. independent of
	<input type="checkbox"/> 4. suitable for

Question ID :	441009945970
Option 1 ID :	4410093737398
Option 2 ID :	4410093737397
Option 3 ID :	4410093737400
Option 4 ID :	4410093737399

Q.2	What is the primary function of chloroplasts in plant cells?
0	
Ans	<input type="checkbox"/> 1. Respiration
	<input type="checkbox"/> 2. Protein synthesis
	<input type="checkbox"/> 3. Phagocytosis
	<input checked="" type="checkbox"/> 4. Photosynthesis

Question ID :	441009945813
Option 1 ID :	4410093736772
Option 2 ID :	4410093736771
Option 3 ID :	4410093736769
Option 4 ID :	4410093736770

Q.1	A square loop of wire with side length 0.1 m and resistance 2Ω is placed, with its plane perpendicular, in a magnetic field that changes according to the equation $B = 0.5t^2 - 2t + 1$, where 'B' is in tesla and 't' is in seconds. What is the magnitude of the induced current in the loop at $t = 2$ second?
Ans	<input checked="" type="checkbox"/> 1. 0 A <input type="checkbox"/> 2. 0.02 A <input type="checkbox"/> 3. 0.01 A <input type="checkbox"/> 4. 0.015 A

Question ID :	441009998990
Option 1 ID :	4410093947813
Option 2 ID :	4410093947816
Option 3 ID :	4410093947814
Option 4 ID :	4410093947815

Q.2	Which of the following statements are NOT true for three resistors connected in parallel? (a) The effective resistance of their parallel combination is less than the individual resistance. (b) The effective resistance of their parallel combination is greater than the individual resistance. (c) The current through the resistances is the same. (d) The potential difference across each resistance is the same.
Ans	<input type="checkbox"/> 1. Both (a) and (c) <input type="checkbox"/> 2. Both (a) and (d) <input type="checkbox"/> 3. Both (b) and (d) <input checked="" type="checkbox"/> 4. Both (b) and (c)

Question ID :	441009999081
Option 1 ID :	4410093948178
Option 2 ID :	4410093948177
Option 3 ID :	4410093948180
Option 4 ID :	4410093948179

Q.3	Which of the following movements in plants is/are primarily due to the growth response to stimuli?
Ans	<input type="checkbox"/> 1. Nastic movements <input checked="" type="checkbox"/> 2. Tropic movements <input type="checkbox"/> 3. Translocation <input type="checkbox"/> 4. Turgor movements

Question ID :	441009945861
Option 1 ID :	4410093736961
Option 2 ID :	4410093736962
Option 3 ID :	4410093736964
Option 4 ID :	4410093736963

Q.4	What is the unit of electrical energy consumed in households?
Ans	<input checked="" type="checkbox"/> 1. Volt
	<input checked="" type="checkbox"/> 2. Kilowatt-hour
	<input checked="" type="checkbox"/> 3. Ampere
	<input checked="" type="checkbox"/> 4. Watt

Question ID :	441009999038
Option 1 ID :	4410093948007
Option 2 ID :	4410093948005
Option 3 ID :	4410093948008
Option 4 ID :	4410093948006

Q.5	An electron moving along the positive x-axis experiences a force along the negative z-axis due to a magnetic field. The direction of this magnetic field should be:
Ans	<input checked="" type="checkbox"/> 1. along positive z-axis
	<input checked="" type="checkbox"/> 2. along negative z-axis
	<input checked="" type="checkbox"/> 3. along positive y-axis
	<input checked="" type="checkbox"/> 4. along negative y-axis

Question ID :	441009999074
Option 1 ID :	4410093948149
Option 2 ID :	4410093948150
Option 3 ID :	4410093948152
Option 4 ID :	4410093948151

Q.6	Which of the following is NOT a type of skeletal system found in animals?
Ans	<input checked="" type="checkbox"/> 1. Hydraulic skeleton
	<input checked="" type="checkbox"/> 2. Exoskeleton
	<input checked="" type="checkbox"/> 3. Hydrostatic skeleton
	<input checked="" type="checkbox"/> 4. Endoskeleton

Question ID :	441009945802
Option 1 ID :	4410093736728
Option 2 ID :	4410093736726
Option 3 ID :	4410093736725
Option 4 ID :	4410093736727

Q.7	Which of the following statements is true regarding the speed of sound in gases?
Ans	<input checked="" type="checkbox"/> 1. It decreases with an increase in temperature.
	<input checked="" type="checkbox"/> 2. It is unaffected by temperature changes.
	<input checked="" type="checkbox"/> 3. It increases with an increase in temperature.
	<input checked="" type="checkbox"/> 4. It initially decreases then increases at critical temperature.

Question ID :	441009999046
Option 1 ID :	4410093948037
Option 2 ID :	4410093948039
Option 3 ID :	4410093948038
Option 4 ID :	4410093948040

Q.8	Which of the following materials is used in the transducer of an ultrasound machine?
Ans	<input checked="" type="checkbox"/> 1. Piezoelectric crystals
	<input type="checkbox"/> 2. Glass
	<input type="checkbox"/> 3. Semi-conductor
	<input type="checkbox"/> 4. Copper

Question ID :	441009999042
Option 1 ID :	4410093948022
Option 2 ID :	4410093948024
Option 3 ID :	4410093948023
Option 4 ID :	4410093948021

Q.9	Which of the following movements in plants is independent of the direction of the stimulus?
Ans	<input checked="" type="checkbox"/> 1. Nastic movement
	<input type="checkbox"/> 2. Taxis
	<input type="checkbox"/> 3. Tropism
	<input type="checkbox"/> 4. Geotropism

Question ID :	441009945795
Option 1 ID :	4410093736698
Option 2 ID :	4410093736699
Option 3 ID :	4410093736697
Option 4 ID :	4410093736700

Q.10	If the length of a conductor is doubled while the cross-sectional area remains constant, what happens to its resistivity?
Ans	<input checked="" type="checkbox"/> 1. It remains the same
	<input type="checkbox"/> 2. It halves
	<input type="checkbox"/> 3. It doubles
	<input type="checkbox"/> 4. It becomes zero

Question ID :	441009999012
Option 1 ID :	4410093947903
Option 2 ID :	4410093947902
Option 3 ID :	4410093947901
Option 4 ID :	4410093947904

Q.11	The position vector of a particle is given by $r_1 = 2\hat{i} + 3\hat{j}$. After 5 seconds, the position vector becomes $r_2 = 5\hat{i} + 7\hat{j}$. What is the displacement vector?
Ans	<input checked="" type="checkbox"/> 1. $3\hat{i} + 4\hat{j}$
	<input type="checkbox"/> 2. $4\hat{i} + 3\hat{j}$
	<input type="checkbox"/> 3. $7\hat{i} + 10\hat{j}$
	<input type="checkbox"/> 4. $15\hat{i} + 20\hat{j}$

Question ID :	441009999050
Option 1 ID :	4410093948053
Option 2 ID :	4410093948054
Option 3 ID :	4410093948055
Option 4 ID :	4410093948056

Q.1 2	When a straw is placed in a glass of water, it appears to be bent at the surface. This phenomenon is primarily due to:
Ans	<input type="checkbox"/> 1. dispersion of light
	<input type="checkbox"/> 2. reflection of light
	<input type="checkbox"/> 3. diffraction of light
	<input checked="" type="checkbox"/> 4. refraction of light

Question ID :	441009998871
Option 1 ID :	4410093947340
Option 2 ID :	4410093947337
Option 3 ID :	4410093947338
Option 4 ID :	4410093947339

Q.1 3	A car's speedometer shows a reading of 50 km/h. What does this represent?
Ans	<input type="checkbox"/> 1. The car's average speed
	<input type="checkbox"/> 2. The car's instantaneous velocity
	<input type="checkbox"/> 3. The car's average velocity
	<input checked="" type="checkbox"/> 4. The car's instantaneous speed

Question ID :	441009998836
Option 1 ID :	4410093947197
Option 2 ID :	4410093947200
Option 3 ID :	4410093947199
Option 4 ID :	4410093947198

Q.1 4	In a closed conducting loop, if the magnetic flux changes uniformly over time, the induced current _____.
Ans	<input type="checkbox"/> 1. is zero
	<input type="checkbox"/> 2. decreases exponentially
	<input type="checkbox"/> 3. increases linearly
	<input checked="" type="checkbox"/> 4. remains constant

Question ID :	441009998991
Option 1 ID :	4410093947820
Option 2 ID :	4410093947817
Option 3 ID :	4410093947818
Option 4 ID :	4410093947819

Q.1 5	An object is placed 20 cm in front of a concave mirror with a focal length of 10 cm. The image distance using the mirror formula will be _____.
Ans	<input type="checkbox"/> 1. -30 cm
	<input type="checkbox"/> 2. 15 cm
	<input checked="" type="checkbox"/> 3. -20 cm
	<input type="checkbox"/> 4. 30 cm

Question ID :	441009998957
Option 1 ID :	4410093947684
Option 2 ID :	4410093947682
Option 3 ID :	4410093947683
Option 4 ID :	4410093947681

Q.1 6	When an object is placed at infinity in front of a concave mirror, where is the image formed?
Ans	<input checked="" type="checkbox"/> 1. At the focal point <input type="checkbox"/> 2. At the center of curvature <input type="checkbox"/> 3. Behind the mirror <input type="checkbox"/> 4. At infinity

Question ID :	441009998962
Option 1 ID :	4410093947701
Option 2 ID :	4410093947702
Option 3 ID :	4410093947703
Option 4 ID :	4410093947704

Q.1 7	Which of the following statements is/are FALSE regarding the magnetic field associated with a current carrying solenoid? (i) The magnetic field inside a solenoid is uniform. (ii) The direction of the magnetic field around a solenoid can never be changed. (iii) The magnitude of the magnetic field can be increased by increasing the number of turns in the solenoid. (iv) The magnitude of the magnetic field can be decreased by increasing the current flowing through the solenoid.
Ans	<input type="checkbox"/> 1. Only (i) and (ii) <input checked="" type="checkbox"/> 2. Only (ii) and (iv) <input type="checkbox"/> 3. Only (i) and (iii) <input type="checkbox"/> 4. Only (iii) and (iv)

Question ID :	441009999078
Option 1 ID :	4410093948165
Option 2 ID :	4410093948168
Option 3 ID :	4410093948166
Option 4 ID :	4410093948167

Q.1 8	According to Fleming's Left-Hand Rule, if the thumb points in the direction of the force, the index finger must point:
Ans	<input type="checkbox"/> 1. at right angles to the force <input type="checkbox"/> 2. opposite to the magnetic field <input checked="" type="checkbox"/> 3. in the direction of the magnetic field <input type="checkbox"/> 4. in the direction of the current

Question ID :	441009998994
Option 1 ID :	4410093947832
Option 2 ID :	4410093947831
Option 3 ID :	4410093947830
Option 4 ID :	4410093947829

Q.1 9	For a concave lens, the magnification is always:
Ans	<input checked="" type="checkbox"/> 1. negative and greater than 1
	<input checked="" type="checkbox"/> 2. positive and less than 1
	<input checked="" type="checkbox"/> 3. positive and greater than 1
	<input checked="" type="checkbox"/> 4. negative and less than 1

Question ID :	44100998869
Option 1 ID :	4410093947331
Option 2 ID :	4410093947330
Option 3 ID :	4410093947329
Option 4 ID :	4410093947332

Q.2 0	In plants, which of the following structures plays a crucial role in the excretion of gaseous waste, like oxygen and carbon dioxide?
Ans	<input checked="" type="checkbox"/> 1. Stomata
	<input checked="" type="checkbox"/> 2. Phloem
	<input checked="" type="checkbox"/> 3. Root hairs
	<input checked="" type="checkbox"/> 4. Xylem

Question ID :	441009945889
Option 1 ID :	4410093737076
Option 2 ID :	4410093737074
Option 3 ID :	4410093737075
Option 4 ID :	4410093737073

Section : Discipline4

Q.1	Spicules are secreted by mesenchymal cells called:
Ans	<input checked="" type="checkbox"/> 1. Myocytes
	<input checked="" type="checkbox"/> 2. Scleroblasts
	<input checked="" type="checkbox"/> 3. Archaeocytes
	<input checked="" type="checkbox"/> 4. Chromocytes

Question ID :	441009941954
Option 1 ID :	4410093721472
Option 2 ID :	4410093721473
Option 3 ID :	4410093721474
Option 4 ID :	4410093721475

Q.2	The volume of air which normally goes in and out of the lungs during breathing is known as:
Ans	<input checked="" type="checkbox"/> 1. Vital capacity
	<input checked="" type="checkbox"/> 2. Total lung capacity
	<input checked="" type="checkbox"/> 3. Tidal volume
	<input checked="" type="checkbox"/> 4. Ventilation volume

Question ID :	441009941945
Option 1 ID :	4410093721437
Option 2 ID :	4410093721438
Option 3 ID :	4410093721436
Option 4 ID :	4410093721439

Q.3	Which of the following are the vaccines comprised of proteins derived from pathogenic viruses, bacteria or parasites? In general these proteins are produced by expression of the gene encoding the protein in a surrogate organism.
Ans	<input checked="" type="checkbox"/> 1. DNA vaccines <input checked="" type="checkbox"/> 2. Subunit vaccines <input checked="" type="checkbox"/> 3. Toxoid vaccines <input checked="" type="checkbox"/> 4. Edible vaccines

Question ID :	441009942024
Option 1 ID :	4410093721755
Option 2 ID :	4410093721754
Option 3 ID :	4410093721752
Option 4 ID :	4410093721753

Q.4	When a water body is rich in nutrients it is called _____.
Ans	<input checked="" type="checkbox"/> 1. oligotrophic <input checked="" type="checkbox"/> 2. dystrophic <input checked="" type="checkbox"/> 3. mesotrophic <input checked="" type="checkbox"/> 4. eutrophic

Question ID :	441009941962
Option 1 ID :	4410093721505
Option 2 ID :	4410093721507
Option 3 ID :	4410093721504
Option 4 ID :	4410093721506

Q.5	A scalar is multiplied by a unit vector, then the resultant is:
Ans	<input checked="" type="checkbox"/> 1. a vector with the unit magnitude <input checked="" type="checkbox"/> 2. a vector with the magnitude of scalar <input checked="" type="checkbox"/> 3. a scalar with the unit magnitude <input checked="" type="checkbox"/> 4. a scalar

Question ID :	441009998942
Option 1 ID :	4410093947623
Option 2 ID :	4410093947624
Option 3 ID :	4410093947622
Option 4 ID :	4410093947621

Q.6	If a 75W light bulb is switched on for 6 hours every day, how much energy will it consume in 15 days?
Ans	<input checked="" type="checkbox"/> 1. 6.75 kWh <input checked="" type="checkbox"/> 2. 4.75 kWh <input checked="" type="checkbox"/> 3. 9.75 kWh <input checked="" type="checkbox"/> 4. 8.75 kWh

Question ID :	441009999036
Option 1 ID :	4410093947997
Option 2 ID :	4410093947999
Option 3 ID :	4410093948000
Option 4 ID :	4410093947998

Q.7	A sound wave with a speed of 340 m/s is emitted from a source. If the echo of this wave is heard after 2 seconds, then the distance (in km) between the reflecting surface and the source will be:
Ans	<input checked="" type="checkbox"/> 1. 34 <input checked="" type="checkbox"/> 2. 0.34 <input checked="" type="checkbox"/> 3. 0.034 <input checked="" type="checkbox"/> 4. 3.4

Question ID :	44100998948
Option 1 ID :	4410093947648
Option 2 ID :	4410093947645
Option 3 ID :	4410093947647
Option 4 ID :	4410093947646

Q.8	Which of the following is NOT a Protozoan parasite that resides extracellularly and in oxygen-deprived environments (anaerobic) within its hosts?
Ans	<input checked="" type="checkbox"/> 1. Fasciola hepatica <input checked="" type="checkbox"/> 2. Trichomonas foetus <input checked="" type="checkbox"/> 3. Entamoeba histolytica <input checked="" type="checkbox"/> 4. Giardia intestinalis

Question ID :	441009942007
Option 1 ID :	4410093721687
Option 2 ID :	4410093721686
Option 3 ID :	4410093721685
Option 4 ID :	4410093721684

Q.9	Which of the following soil pollutants is most likely to cause long-term contamination due to its persistence in the environment?
Ans	<input checked="" type="checkbox"/> 1. Greenhouse gases <input checked="" type="checkbox"/> 2. Organic pesticides <input checked="" type="checkbox"/> 3. Heavy metals <input checked="" type="checkbox"/> 4. Agricultural runoff

Question ID :	441009941841
Option 1 ID :	4410093721022
Option 2 ID :	4410093721020
Option 3 ID :	4410093721021
Option 4 ID :	4410093721023

Q.10	The mesenchymal cells of the bone which are responsible for production of the bone cells are called:
Ans	<input checked="" type="checkbox"/> 1. Osteoprogenitor cells <input checked="" type="checkbox"/> 2. Osteoid <input checked="" type="checkbox"/> 3. Osteoblasts <input checked="" type="checkbox"/> 4. Osteoclasts

Question ID :	441009941958
Option 1 ID :	4410093721489
Option 2 ID :	4410093721488
Option 3 ID :	4410093721491
Option 4 ID :	4410093721490

Q.1 1	If a car travels 60 km in 1 hour and returns the same 60 km in 2 hours, what is the average speed?
Ans	<input type="checkbox"/> 1. 20 km/hr
	<input type="checkbox"/> 2. 30 km/hr
	<input type="checkbox"/> 3. 60 km/hr
	<input checked="" type="checkbox"/> 4. 40 km/hr

Question ID :	44100999047
Option 1 ID :	4410093948042
Option 2 ID :	4410093948041
Option 3 ID :	4410093948044
Option 4 ID :	4410093948043

Q.1 2	Consider two cases where a parallel beam of light is incident on: A) a concave mirror, and B) a convex mirror
	Which of the following statements correctly describes the behaviour of the reflected rays?
Ans	<input type="checkbox"/> 1. The rays converge at a focus for both the concave mirror and the convex mirror.
	<input checked="" type="checkbox"/> 2. The rays converge at a focus for the concave mirror and appear to diverge from the focus for the convex mirror.
	<input type="checkbox"/> 3. The rays diverge from the focus for the concave mirror and appear to diverge from the focus for the convex mirror.
	<input type="checkbox"/> 4. The rays diverge from the focus for the concave mirror and converge at a focus for the convex mirror.

Question ID :	441009998903
Option 1 ID :	4410093947466
Option 2 ID :	4410093947465
Option 3 ID :	4410093947467
Option 4 ID :	4410093947468

Q.1 3	The Ganga Action Plan, which was launched under the Ministry of Environment and Forests, has _____ stations along the river.
Ans	<input type="checkbox"/> 1. 24
	<input type="checkbox"/> 2. 20
	<input type="checkbox"/> 3. 26
	<input checked="" type="checkbox"/> 4. 27

Question ID :	441009941929
Option 1 ID :	4410093721372
Option 2 ID :	4410093721375
Option 3 ID :	4410093721373
Option 4 ID :	4410093721374

Q.1 4	_____ section of the Air (Prevention and Control of Pollution) Act, 1981, included noise under the definition of 'Air pollutant'.
Ans	<input type="checkbox"/> 1. Section 5(a)
	<input type="checkbox"/> 2. Section 4 (a)
	<input type="checkbox"/> 3. Section 3(a)
	<input checked="" type="checkbox"/> 4. Section 2 (a)

Question ID :	441009942173
Option 1 ID :	4410093722351
Option 2 ID :	4410093722348
Option 3 ID :	4410093722350
Option 4 ID :	4410093722349

Q.1 5	Which of the following structures is NOT a primary function of the integumentary system in vertebrates?
Ans	<input checked="" type="checkbox"/> 1. Production of red blood cells
	<input type="checkbox"/> 2. Sensory reception
	<input type="checkbox"/> 3. Regulation of body temperature
	<input type="checkbox"/> 4. Protection against environmental hazards

Question ID :	441009941881
Option 1 ID :	4410093721182
Option 2 ID :	4410093721183
Option 3 ID :	4410093721181
Option 4 ID :	4410093721180

Q.1 6	A cylindrical conductor has a length of 4 m and a cross-sectional area of $1 \times 10^{-5} \text{ m}^2$. If its resistance is 0.1Ω , what is the resistivity of the material?
Ans	<input type="checkbox"/> 1. $1.5 \times 10^{-7} \Omega\text{-m}$
	<input checked="" type="checkbox"/> 2. $2.5 \times 10^{-7} \Omega\text{-m}$
	<input type="checkbox"/> 3. $2.5 \times 10^{-6} \Omega\text{-m}$
	<input type="checkbox"/> 4. $4 \times 10^{-6} \Omega\text{-m}$

Question ID :	441009999013
Option 1 ID :	4410093947907
Option 2 ID :	4410093947905
Option 3 ID :	4410093947906
Option 4 ID :	4410093947908

Q.1 7	What is one major advantage of aquaculture over traditional fishing?
Ans	<input checked="" type="checkbox"/> 1. It helps in conserving wild fish populations.
	<input type="checkbox"/> 2. It eliminates the need for water quality management.
	<input type="checkbox"/> 3. It avoids the use of feed supplements.
	<input type="checkbox"/> 4. It requires more space for fish farming.

Question ID :	441009941862
Option 1 ID :	4410093721105
Option 2 ID :	4410093721104
Option 3 ID :	4410093721107
Option 4 ID :	4410093721106

Q.1 8	Which of the following are commonly referred to as plant lice?
Ans	<input type="checkbox"/> 1. Leaf hopper
	<input type="checkbox"/> 2. Weevils
	<input checked="" type="checkbox"/> 3. Aphids
	<input type="checkbox"/> 4. Shoot borers

Question ID :	441009941936
Option 1 ID :	4410093721400
Option 2 ID :	4410093721403
Option 3 ID :	4410093721401
Option 4 ID :	4410093721402

Q.1 9	Which type of bone is characterised by a dense outer layer and a spongy inner structure?
Ans	<input checked="" type="checkbox"/> 1. Compact bone
	<input type="checkbox"/> 2. Trabecular bone
	<input type="checkbox"/> 3. Cancellous bone
	<input type="checkbox"/> 4. Spongy bone

Question ID :	441009941894
Option 1 ID :	4410093721232
Option 2 ID :	4410093721235
Option 3 ID :	4410093721234
Option 4 ID :	4410093721233

Q.2 0	Insects which belong to the Order Siphonaptera are blood-sucking ectoparasites on _____.
Ans	<input type="checkbox"/> 1. reptiles and amphibians
	<input type="checkbox"/> 2. Cyclostomata and reptiles
	<input type="checkbox"/> 3. amphibians and Chondrichthyes
	<input checked="" type="checkbox"/> 4. aves and mammals

Question ID :	441009941913
Option 1 ID :	4410093721310
Option 2 ID :	4410093721308
Option 3 ID :	4410093721309
Option 4 ID :	4410093721311

Section : Discipline5

Q.1	Which of the following is a product made from whole fish or parts of fish that are liquefied by the action of enzymes in the fish in the presence of an added acid?
Ans	<input type="checkbox"/> 1. Fish meal
	<input type="checkbox"/> 2. Fish glue
	<input type="checkbox"/> 3. Fish flour
	<input checked="" type="checkbox"/> 4. Fish silage

Question ID :	441009941932
Option 1 ID :	4410093721384
Option 2 ID :	4410093721387
Option 3 ID :	4410093721385
Option 4 ID :	4410093721386

Q.2	Which process among the following is effective in returning nitrogen to the atmosphere?
Ans	<input type="checkbox"/> 1. Ammonification
	<input type="checkbox"/> 2. Nitrification
	<input checked="" type="checkbox"/> 3. Denitrification
	<input type="checkbox"/> 4. Nitrogen fixation

Question ID :	441009942189
Option 1 ID :	4410093722415
Option 2 ID :	4410093722414
Option 3 ID :	4410093722412
Option 4 ID :	4410093722413

Q.3	Foetal development is known to begin in the _____ week of pregnancy (gestation) and ends once the baby is born.
Ans	<input type="checkbox"/> 1. Fifth
	<input type="checkbox"/> 2. Fourth
	<input checked="" type="checkbox"/> 3. Tenth
	<input type="checkbox"/> 4. Sixth

Question ID :	441009941948
Option 1 ID :	4410093721450
Option 2 ID :	4410093721451
Option 3 ID :	4410093721449
Option 4 ID :	4410093721448

Q.4	Which of the following is a common disease affecting silkworms?
Ans	<input type="checkbox"/> 1. Black rot
	<input type="checkbox"/> 2. Downy mildew
	<input checked="" type="checkbox"/> 3. White muscardine disease
	<input type="checkbox"/> 4. Powdery mildew

Question ID :	441009941842
Option 1 ID :	4410093721025
Option 2 ID :	4410093721027
Option 3 ID :	4410093721024
Option 4 ID :	4410093721026

Q.5	What is the primary characteristic that defines insects?
Ans	<input type="checkbox"/> 1. They are warm-blooded organisms.
	<input checked="" type="checkbox"/> 2. They possess a segmented body and an exoskeleton.
	<input type="checkbox"/> 3. They can live in both aquatic and terrestrial environments.
	<input type="checkbox"/> 4. They have eight legs.

Question ID :	441009941850
Option 1 ID :	4410093721059
Option 2 ID :	4410093721057
Option 3 ID :	4410093721058
Option 4 ID :	4410093721056

Q.6	Which component among the following involves the release of oxygen during photosynthesis in the oxygen cycle?
Ans	<input checked="" type="checkbox"/> 1. Gross primary production
	<input type="checkbox"/> 2. Respiration
	<input type="checkbox"/> 3. Net primary production
	<input type="checkbox"/> 4. Oxidative decomposition

Question ID :	441009942186
Option 1 ID :	4410093722400
Option 2 ID :	4410093722402
Option 3 ID :	4410093722401
Option 4 ID :	4410093722403

Q.7	Which of the following is a common cause of soil pollution?
Ans	<input checked="" type="checkbox"/> 1. Overgrazing
	<input checked="" type="checkbox"/> 2. Industrial waste disposal
	<input checked="" type="checkbox"/> 3. Deforestation
	<input checked="" type="checkbox"/> 4. Organic farming

Question ID :	441009941904
Option 1 ID :	4410093721273
Option 2 ID :	4410093721274
Option 3 ID :	4410093721272
Option 4 ID :	4410093721275

Q.8	Which of the following is a characteristic feature of helminths?
Ans	<input checked="" type="checkbox"/> 1. They lack a digestive system and absorb nutrients through their skin.
	<input checked="" type="checkbox"/> 2. They reproduce primarily through binary fission.
	<input checked="" type="checkbox"/> 3. They possess a complex life cycle often involving multiple hosts.
	<input checked="" type="checkbox"/> 4. They are unicellular organisms.

Question ID :	441009941865
Option 1 ID :	4410093721119
Option 2 ID :	4410093721118
Option 3 ID :	4410093721117
Option 4 ID :	4410093721116

Q.9	The Water (Prevention and Control of Pollution) Act, came into force in which of the following years?
Ans	<input checked="" type="checkbox"/> 1. 1970
	<input checked="" type="checkbox"/> 2. 1988
	<input checked="" type="checkbox"/> 3. 1986
	<input checked="" type="checkbox"/> 4. 1974

Question ID :	441009941930
Option 1 ID :	4410093721376
Option 2 ID :	4410093721379
Option 3 ID :	4410093721377
Option 4 ID :	4410093721378

Q.10	Which of the following strategies is considered most effective in reducing industrial pollution?
Ans	<input checked="" type="checkbox"/> 1. Using more plastic packaging
	<input checked="" type="checkbox"/> 2. Implementing stricter emission regulations
	<input checked="" type="checkbox"/> 3. Increasing production rates
	<input checked="" type="checkbox"/> 4. Encouraging public transportation

Question ID :	441009941903
Option 1 ID :	4410093721271
Option 2 ID :	4410093721268
Option 3 ID :	4410093721269
Option 4 ID :	4410093721270

Q.1	Which of the following is NOT a component of Academic Language?
Ans	<input type="checkbox"/> 1. Vocabulary
	<input type="checkbox"/> 2. Discourse
	<input type="checkbox"/> 3. Language function
	<input checked="" type="checkbox"/> 4. Sentence

Question ID :	441009989201
Option 1 ID :	4410093909101
Option 2 ID :	4410093909104
Option 3 ID :	4410093909103
Option 4 ID :	4410093909102

Q.2	Which activity supports children's phonemic awareness?
Ans	<input type="checkbox"/> 1. Watching silent videos
	<input type="checkbox"/> 2. Copying shapes only
	<input type="checkbox"/> 3. Drawing without speaking
	<input checked="" type="checkbox"/> 4. Listening to rhymes and songs

Question ID :	4410091080471
Option 1 ID :	4410094259124
Option 2 ID :	4410094259125
Option 3 ID :	4410094259122
Option 4 ID :	4410094259123

Q.3	Which initiative or philosophy does the tagline 'Education of all in schools for all' best represent?
Ans	<input type="checkbox"/> 1. Cohesive education
	<input type="checkbox"/> 2. Exclusive education
	<input type="checkbox"/> 3. Cooperative education
	<input checked="" type="checkbox"/> 4. Inclusive education

Question ID :	4410091127429
Option 1 ID :	4410094445268
Option 2 ID :	4410094445271
Option 3 ID :	4410094445270
Option 4 ID :	4410094445269

Q.4	Which curriculum development approach focuses on students' needs, interests, and active participation in the learning process?
Ans	<input type="checkbox"/> 1. Teacher-Centered Approach
	<input checked="" type="checkbox"/> 2. Learner-Centered Approach
	<input type="checkbox"/> 3. Subject-Centered Approach
	<input type="checkbox"/> 4. Content-Centered Approach

Question ID :	4410091127837
Option 1 ID :	4410094446909
Option 2 ID :	4410094446910
Option 3 ID :	4410094446908
Option 4 ID :	4410094446911

Q.5 Identify the type of objective test items from the list. Students are given statements, and they have to choose between two options. These options may be true or false, right or wrong.

Ans 1. Matching type test items

2. Multiple choice type

3. Alternate response type

4. Completion type

Question ID : 4410091127487

Option 1 ID : 4410094445503

Option 2 ID : 4410094445502

Option 3 ID : 4410094445501

Option 4 ID : 4410094445500

Q.6 Learning outcomes in a lesson plan should be:

Ans 1. broad, vague, and non-measurable

2. general statements of teacher intention

3. teacher-focused and process-based

4. specific, measurable, and learner-centered

Question ID : 441009989203

Option 1 ID : 4410093909109

Option 2 ID : 4410093909112

Option 3 ID : 4410093909111

Option 4 ID : 4410093909110

Q.7 Which characteristic helps identify whether a subject has evolved into a discipline?

Ans 1. It has no research or publications.

2. It is based solely on opinions and beliefs.

3. It is taught at only the primary level.

4. It has an established body of knowledge, theories, and methods.

Question ID : 4410091130215

Option 1 ID : 4410094456351

Option 2 ID : 4410094638583

Option 3 ID : 4410094456350

Option 4 ID : 4410094456352

Q.8 Which cognitive skill is primarily developed when children engage in activities involving spatial relationships and geometry?

Ans 1. Repetition of rote counting

2. Passive listening during lectures

3. Memorisation of numbers

4. Logical reasoning and visualisation

Question ID : 4410091080389

Option 1 ID : 4410094258792

Option 2 ID : 4410094258793

Option 3 ID : 4410094258790

Option 4 ID : 4410094258791

Q.9 Which of the following is a multi-dimensional process through which individuals learn about gender norms and rules of their culture and eventually learn gender appreciation behaviour?

- Ans
- 1. Gender modernity
 - 2. Gender differences
 - 3. Gender inclusion
 - 4. Gender socialisation

Question ID : 4410091074198

Option 1 ID : 4410094234286

Option 2 ID : 4410094234285

Option 3 ID : 4410094234284

Option 4 ID : 4410094234283

Q.10 Which principle does the Herbartian model emphasise the most?

- Ans
- 1. Direct experience
 - 2. Linking prior and new
 - 3. Collaborative work
 - 4. Discovery learning

Question ID : 4410091127896

Option 1 ID : 4410094447150

Option 2 ID : 4410094447151

Option 3 ID : 4410094447148

Option 4 ID : 4410094447149

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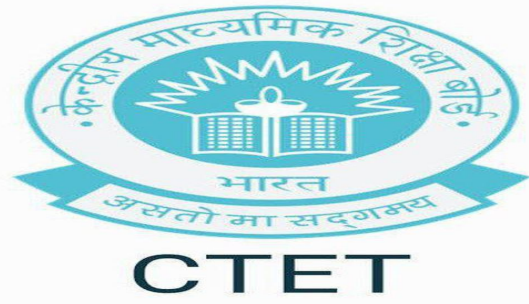
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