Combined Graduate Level Examination 2024 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	24/09/2024
Exam Time	9:00 AM - 10:00 AM
Subject Combined Graduate Level Examination	

Section: General Intelligence and Reasoning

Q.1 'RX-21' is related to 'UU-11' in a certain way. In the same way, 'PM-39' is related to 'SJ-29'. To which of the following is DP-17 related, following the same logic?

X 1. GM-10 Ans

X 2. HN-7

X 4. HO-10

Question ID: 630680416361 Option 1 ID: 6306801624207 Option 2 ID: 6306801624208 Option 3 ID: 6306801624209 Option 4 ID: 6306801624210

Status: Marked For Review Chosen Option : 1

Q.2 Select the triad in which the numbers are related in the same way as are the numbers of the given triads.

(8, 9, 7), (24, 13, 35)
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

X 1. (21, 12, 32)

X 2. (11, 15, 19)

X 3. (28, 19, 56)

4. (17, 11, 23)

Question ID: 630680319365 Option 1 ID: 6306801242368 Option 2 ID: 6306801242366 Option 3 ID: 6306801242367 Option 4 ID: 6306801242365

Status : Not Attempted and Marked For Review

Q.3	Select the number from the given options to complete the series. 32, 36, 44, 56, 72,
Ans	5 × 1.98
	✓ 2. 92
	× 3. 80

Question ID: 630680411910
Option 1 ID: 6306801606477
Option 2 ID: 6306801606478
Option 3 ID: 6306801606475
Option 4 ID: 6306801606476
Status: Answered
Chosen Option: 2

Q.4 Three of the following four options are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Question ID : 630680196581
Option 1 ID : 630680762623
Option 2 ID : 630680762625
Option 3 ID : 630680762624
Option 4 ID : 630680762626
Status : Not Attempted and Marked For Review

Chosen Option: --

Q.5 61 is related to 18 following a certain logic. Following the same logic, 213 is related to 38. To which of the following is 509 related, following the same logic? (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc., to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

Ans X 1.78 X 2.64 X 3.72 4.66

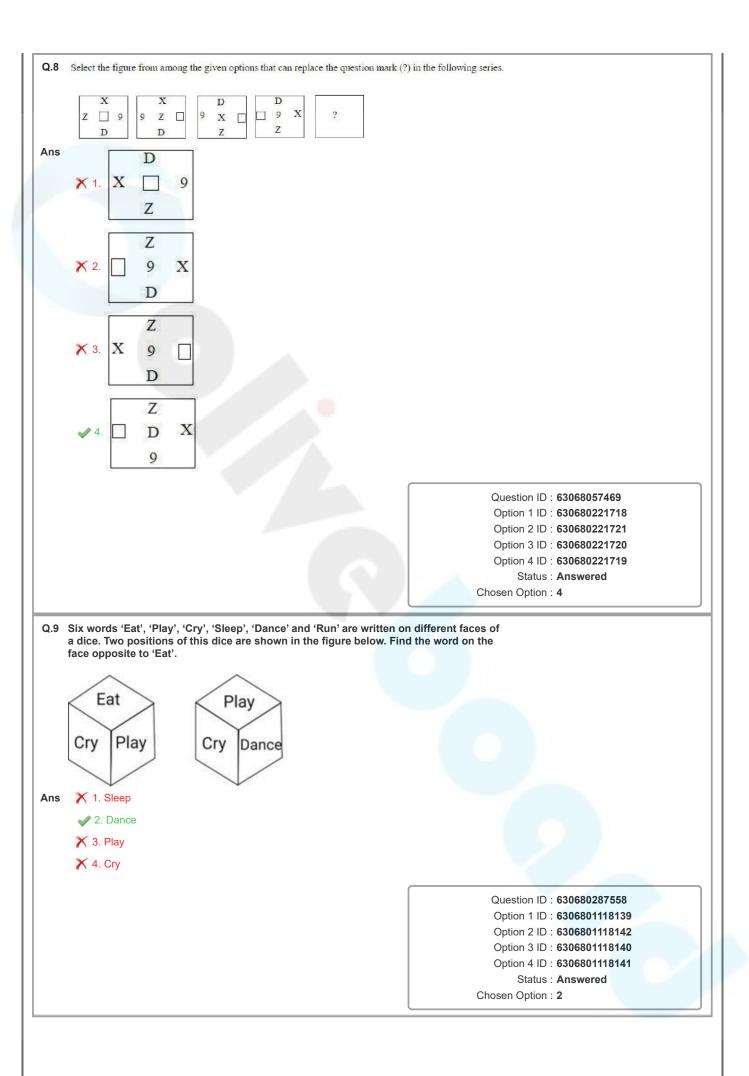
Question ID: 630680344254
Option 1 ID: 6306801339332
Option 2 ID: 6306801339331
Option 3 ID: 6306801339330
Option 4 ID: 6306801339329

Not Attempted and

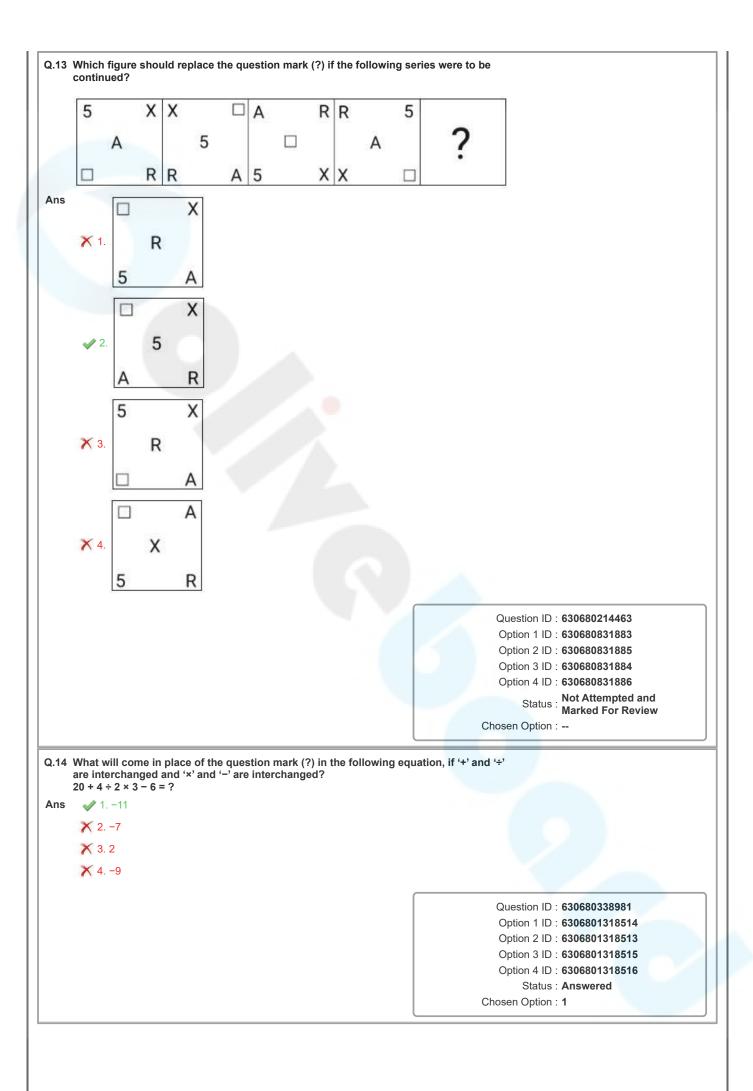
Status : Not Attempted and Marked For Review

Chosen Option : --

Q.6 In a certain code language, 'LIGHT' is coded as '25709' and 'SIGHT' is coded as '97065'. What is the code for 'S' in that language? X 1. 2 Ans X 2. 7 **3**. 6 Question ID : 630680296858 Option 1 ID: 6306801155075 Option 2 ID : 6306801155078 Option 3 ID: 6306801155076 Option 4 ID: 6306801155077 Status : Answered Chosen Option: 3 Q.7 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster. LOI: QTN :: VES:AJX :: AND: ? Ans X 1. FSJ √ 2. FSI X 3. FTJ **X** 4. FTI Question ID: 630680416746 Option 1 ID: 6306801625749 Option 2 ID: 6306801625747 Option 3 ID: 6306801625750 Option 4 ID: 6306801625748 Status : **Answered** Chosen Option : 2



Q.10 The position of how many letters will remain unchanged if each of the letters in the word 'DELIGHT' is arranged in the English alphabetical order? X 1. One X 2. None 3. Three Question ID : 630680327762 Option 1 ID: 6306801275038 Option 2 ID: 6306801275037 Option 3 ID: 6306801275040 Option 4 ID: 6306801275039 Status : Answered Chosen Option: 3 Q.11 If A is the sister of B, C is the daughter of A, D is the sister of A and E is the brother of C. How is D related to E? Ans X 1. Mother's mother X 2. Mother's father X 3. Mother's brother 4. Mother's sister Question ID: 630680281063 Option 1 ID: 6306801092490 Option 2 ID: 6306801092489 Option 3 ID: 6306801092487 Option 4 ID: 6306801092488 Status: Answered Chosen Option: 4 Q.12 In a certain code language, 'PUPIL' is written as '162116912' and 'PURGE' is written as '16211875'. How will 'PURSE' be written in that language? **Ans** X 1. 162118159 X 2. 126118195 X 3. 162111895 **4**. 162118195 Question ID: 630680416251 Option 1 ID: 6306801623769 Option 2 ID: 6306801623767 Option 3 ID: 6306801623768 Option 4 ID: 6306801623770 Status: Answered Chosen Option: 4



Q.15 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

_TUVTR_WU_UXVN_Y

Ans X 1. SUUP

2. SUPU

X 3. PSVU

X 4. SVUP

Question ID: 630680325787

Option 1 ID: 6306801267341

Option 2 ID: 6306801267342

Option 3 ID: 6306801267344

Option 4 ID: 6306801267343

Status: Marked For Review

Chosen Option : 2

Q.16 Select the option in which the numbers share the same relationship as that shared by the given pair of numbers.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

33 : 340 48 : 490

Ans X 1. 27 : 270

X 2. 31 : 279

X 3. 44 : 460

4. 63 : 640

Question ID : **630680326565** Option 1 ID : **6306801270346** Option 2 ID : **6306801270345**

Option 3 ID : **6306801270348** Option 4 ID : **6306801270347** Status : **Answered**

Q.17 Three statements are given, followed by three conclusions numbered I, II and III.

Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All spoons are forks.

All forks are knives.

No knife is a spatula.

Conclusions:

- I. Some knives are spoons.
- II. No fork is a spatula.
- III. Some spoons are spatulas.

Ans

X 1. Neither conclusion follows

X 2. Only conclusion III follows

3. Only conclusions I and II follow

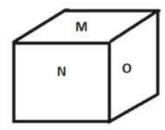
X 4. Only conclusion I follows

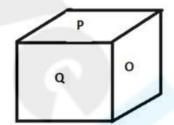
Question ID: 630680416379
Option 1 ID: 6306801624281
Option 2 ID: 6306801624282
Option 3 ID: 6306801624280
Option 4 ID: 6306801624279

Status : Answered

Chosen Option: 3

Q.18 Six letters M, N, O, P, Q and R are written on different faces of a dice. Two positions of this dice are shown in the figure below. Find the letter on the face opposite to O.





Ans

√ 1. R

X 2. P

X 3. Q

X 4. M

Question ID: 630680189143

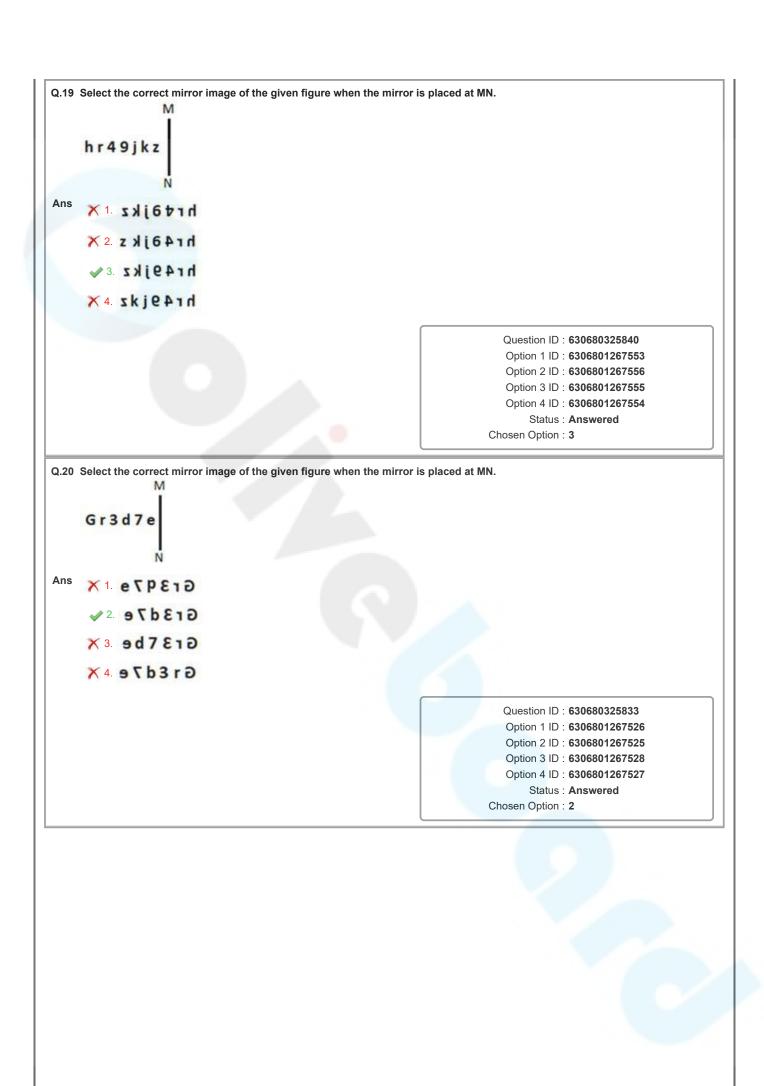
Option 1 ID : **630680733383** Option 2 ID : **630680733382**

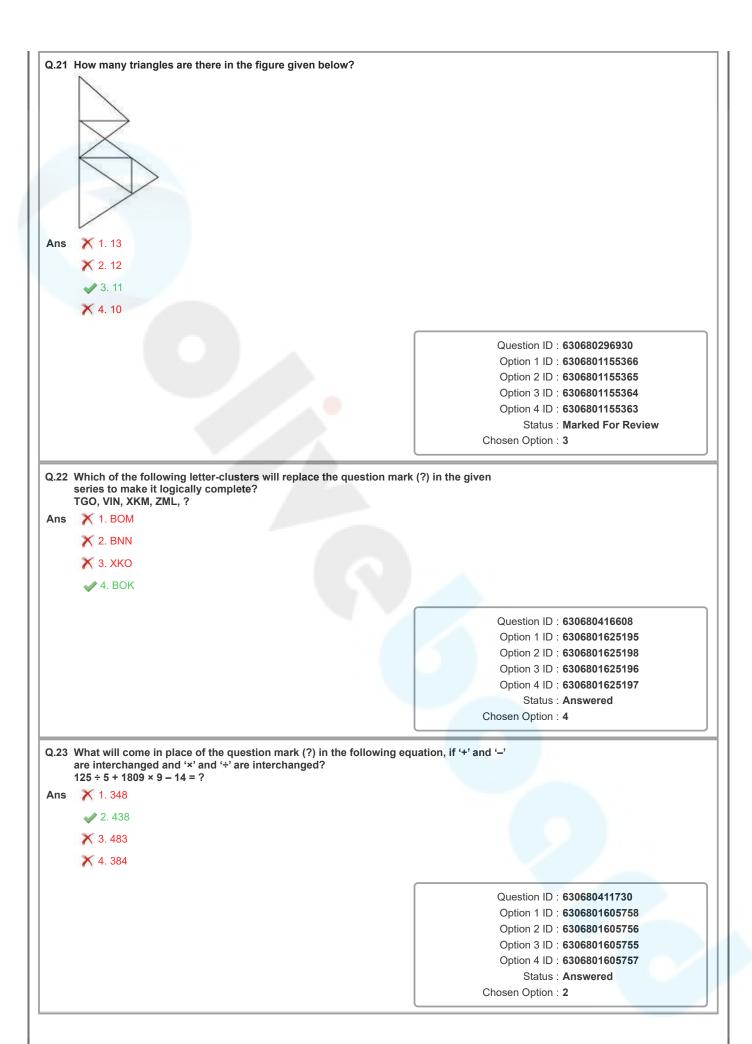
Option 3 ID : **630680733381**

Option 4 ID : 630680733384

Status : Answered

Olatus . Aliswei





Q.24 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the one that is different. The odd one out is not based on the number of consonants/vowels or their position in the letter cluster X 1. UTW ✓ 2. LKM **X** 3. NMP X 4. CBE Question ID: 63068062106 Option 1 ID: 630680239745 Option 2 ID: 630680239743 Option 3 ID: 630680239744 Option 4 ID: 630680239742 Status: Answered Chosen Option: 2 Q.25 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: Some Mirrors are Decoratives. No Decorative is a Plant. All Plants are Trees. Conclusions: (I) Some Mirrors are Plants. (II) Some Decoratives are Trees. ✓ 1. Neither conclusion (I) nor (II) follows. Ans X 2. Only conclusion (I) follows. X 3. Both conclusions (I) and (II) follow. X 4. Only conclusion (II) follows. Question ID: 630680388253 Option 1 ID: 6306801513536 Option 2 ID: 6306801513534 Option 3 ID: 6306801513537 Option 4 ID: 6306801513535 Status: Answered Chosen Option: 1 Section: General Awareness Q.1 Who founded the Arya Samaj in Mumbai in 1875? X 1. Swami Vivekanand 2. Swami Dayanand Saraswati X 3. Raja Ram Mohan Roy X 4. Debendranath Tagore Question ID: 630680158740 Option 1 ID: 630680614455 Option 2 ID: 630680614454 Option 3 ID: 630680614453 Option 4 ID: 630680614452 Status: Answered Chosen Option: 2

Q.2 Who is considered the highest law officer of the state in India?

Ans X 1. Auditor general

- 2. Advocate general
- X 3. Chief justice of high court
- X 4. Attorney general

Question ID: 630680329468 Option 1 ID: 6306801281615 Option 2 ID: 6306801281616 Option 3 ID: 6306801281613 Option 4 ID: 6306801281614 Status: Answered

Chosen Option: 4

Q.3 In which state of India is the Tadoba National Park located?

- Ans X 1. Madhya Pradesh
 - X 2. Kerala
 - X 3. Gujarat
 - 4. Maharashtra

Question ID: 630680362630 Option 1 ID: 6306801412274 Option 2 ID: 6306801412276 Option 3 ID: 6306801412273 Option 4 ID: 6306801412275 Status: Marked For Review

Chosen Option: 4

Q.4 What is the primary benefit offered to businesses in Special Economic Zones (SEZs)?

- Ans 1. Tax and duty concessions
 - X 2. Mandatory government contracts
 - X 3. Guaranteed market share
 - X 4. Unlimited foreign investment

Question ID: 630680411082 Option 1 ID: 6306801603081 Option 2 ID: 6306801603080 Option 3 ID: 6306801603083 Option 4 ID: 6306801603082

Status: Marked For Review

Chosen Option: 1

Q.5 Which of the following statements is correct?

- Ans X 1. Rivers and sea water are considered as fresh water.
 - X 2. Pond water and sea water are considered as fresh water.
 - 3. Rivers, creeks, lakes, ponds, and streams are all freshwater habitats.
 - X 4. Sea water is freshwater habitat.

Question ID: 63068089718 Option 1 ID: 630680347649 Option 2 ID: 630680347646 Option 3 ID: 630680347647 Option 4 ID: 630680347648

Status: Answered Chosen Option: 3

Q.6 Which of the following countries will host the ICC men's Cricket World Cup in the year 2031? Ans 💢 1. Sri Lanka and Pakistan 2. India, Bangladesh 💢 3. Sri Lanka and Bangladesh X 4. India, Sri Lanka Question ID: 630680510793 Option 1 ID: 6306801996305 Option 2 ID: 6306801996302 Option 3 ID: 6306801996304 Option 4 ID: 6306801996303 Status: Marked For Review Chosen Option: 4 Q.7 Which of the following terms is related to football? ✓ 1. Bicycle Kick X 2. LBW X 3. Overs X 4. Third man Question ID: 630680510779 Option 1 ID: 6306801996246 Option 2 ID: 6306801996249 Option 3 ID: 6306801996248 Option 4 ID: 6306801996247 Status : Answered Chosen Option : 1 Q.8 AR Rehman, Gulzar and won the 52nd annual Grammy Award for the best motion picture song 'Jai ho'. X 1. Danny Boyle Ans X 2. Dev Patel 3. Tanvi Shah X 4. Freida Pinto Question ID: 630680393971 Option 1 ID: 6306801536188 Option 2 ID: 6306801536186 Option 3 ID: 6306801536189 Option 4 ID: 6306801536187 Status: Not Answered Chosen Option: --Q.9 The Working Group under the chairmanship of in the year proposed a new intermediate monetary aggregate to be referred to as NM2. Ans X 1. Dr. C Rangarajan; 1996 X 2. Dr. KV Kamath; 1995 X 3. Dr. PK Mohanty; 1998 ✓ 4. Dr. YV Reddy; 1998 Question ID: 630680144748 Option 1 ID: 630680560035 Option 2 ID: 630680560037 Option 3 ID: 630680560036 Option 4 ID: 630680560034

Status: Not Answered

Q.10 Classical Sarod player, Amjad Ali Khan was awarded ___ ____ in 2001 by the Government of India. Ans 1. Padma Vibhushan X 2. Padma Shri 💢 3. Bharat Ratna X 4. Padma Bhushan Question ID: 630680415798 Option 1 ID: 6306801621960 Option 2 ID: 6306801621962 Option 3 ID: 6306801621959 Option 4 ID: 6306801621961 Status: Marked For Review Chosen Option: 1 Q.11 By which National Waterways (NW) of India, are the delta channels of Mahanadi and Brahmani rivers and East Coast Canal connected? Ans X 1. NW 1 X 2. NW 2 X 4. NW 3 Question ID: 630680327622 Option 1 ID: 6306801274485 Option 2 ID: 6306801274486 Option 3 ID: 6306801274488 Option 4 ID: 6306801274487 Status: Not Answered Chosen Option: --Q.12 According to the Census of India 2011, which group of Union Territories has the highest density of population? Ans X 1. Delhi, Chandigarh and Daman and Diu X 2. Lakshadweep, Daman and Diu and Puducherry X 4. Lakshadweep, Daman and Diu and Chandigarh Question ID: 630680209244 Option 1 ID: 630680811192 Option 2 ID: 630680811191 Option 3 ID: 630680811194 Option 4 ID: 630680811193 Status: Answered Chosen Option: 1 Q.13 Identify an example of plasma as a state of matter. 1. Neon sign bulbs X 2. Freon X 3. Blood X 4. Dry ice Question ID: 630680194552

Question ID: 630680194552
Option 1 ID: 630680754735
Option 2 ID: 630680754734
Option 3 ID: 630680754733
Option 4 ID: 630680754736
Status: Answered

Q.14 Which fundamental duty applies to you when you see your college friends start fighting with the canteen person when he passed a few anti-religious statements?

Ans X 1. To value and preserve the rich heritage

✓ 2. To promote harmony and spirit of brotherhood

X 3. To protect and improve our natural environment

X 4. To develop the scientific temper, humanism, and the spirit of inquiry

Question ID : 630680229957
Option 1 ID : 630680892269
Option 2 ID : 630680892270
Option 3 ID : 630680892268
Option 4 ID : 630680892267
Status : Answered

Chosen Option: 2

Q.15 Which Article deals with the election of the President?

Ans X 1. Article 66

2. Article 54

X 3. Article 74

X 4. Article 72

Question ID: 630680413112
Option 1 ID: 6306801611274
Option 2 ID: 6306801611271
Option 3 ID: 6306801611273
Option 4 ID: 6306801611272
Status: Answered

Chosen Option : 2

Q.16 Who among the following Indian cricketers were named the Wisden's cricketer of the year in the 2022 edition of the Almanack?

Ans X 1. Rohit Sharma and Virat Kohli

X 2. Surya Kumar Yadav and Axar Patel

X 3. Virat Kohli and Bhuvneshwar Kumar

4. Rohit Sharma and Jasprit Bumrah

Question ID: 630680192148
Option 1 ID: 630680745193
Option 2 ID: 630680745196
Option 3 ID: 630680745194
Option 4 ID: 630680745195
Status: Answered

Chosen Option: 4

Q.17 Which of the following is NOT a physical change?

Ans 💜 1. Curdling of milk

X 2. Heating of iron rod to red hot

X 3. Evaporation of diesel

X 4. Sublimation of NH₄Cl

Question ID: 630680210480
Option 1 ID: 630680816082
Option 2 ID: 630680816081
Option 3 ID: 630680816079

Option 4 ID : **630680816080** Status : **Answered**

Q.18 Who is called the father of Local Self-Government in India?

Ans X 1. Lord Cornwallis

X 2. Lord Wellesley

3. Lord Ripon

4. Lord William Bentinck

Question ID: 630680412330 Option 1 ID: 6306801608143 Option 2 ID: 6306801608145 Option 3 ID: 6306801608144 Option 4 ID: 6306801608146

Status: Answered Chosen Option: 3

Q.19 By which of the following methods do red algae reproduce?

Ans X 1. Grafting

X 2. Cutting

3. Fragmentation

X 4. Micropropagation

Question ID: 63068078597 Option 1 ID: 630680304438 Option 2 ID: 630680304440 Option 3 ID: 630680304437 Option 4 ID: 630680304439 Status: Not Answered

Chosen Option: --

Q.20 By what name is the festival of Makar Sankranti celebrated in Assam?

Ans X 1. Pongal

X 2. Thai Pongal

3. Magh Bihu

X 4. Pedda Padunga

Question ID: 630680158774 Option 1 ID: 630680614589 Option 2 ID: 630680614591 Option 3 ID: 630680614588 Option 4 ID: 630680614590 Status: Answered

Chosen Option: 3

Q.21 Which of the following Constitution Amendment Bills is related to the provision of modifying the list of Scheduled Caste in Tamil Nadu?

Ans X 1. The Constitution (Scheduled Tribes) Order Amendment Act, 2013

✓ 2. The Constitution (Scheduled Castes) Order (Amendment) Bill, 2021

X 3. The Constitution (Scheduled Tribes) Order (Amendment) Bill, 2019

X 4. The Constitution (Scheduled Caste) Order (Amendment) Bill, 2015

Question ID: 63068099688 Option 1 ID: 630680387448 Option 2 ID: 630680387451 Option 3 ID: 630680387450 Option 4 ID: 630680387449 Status: Not Answered

Q.22 Mahendravarman I who wrote Mattavilasa-prahasana is related to which of the following ruling dynasties? Ans X 1. Pushyabhuti X 2. Chalukya X 3. Maitraka 4. Pallava Question ID: 630680412479 Option 1 ID: 6306801608739 Option 2 ID: 6306801608741 Option 3 ID: 6306801608740 Option 4 ID: 6306801608742 Status : Answered Chosen Option: 4 Q.23 When was the All India Trade Union Congress (AITUC) established? Ans **1**. 1920 X 2. 1926 X 3. 1924 X 4. 1928 Question ID: 630680511554 Option 1 ID: 6306801999339 Option 2 ID: 6306801999338 Option 3 ID: 6306801999341 Option 4 ID : 6306801999340 Status: Not Answered Chosen Option: --Q.24 Which of the following is responsible for the red colour of beetroot? Ans X 1. Lycopene 2. Betanin X 3. Curcumin X 4. Beta carotene Question ID: 630680315982 Option 1 ID: 6306801229588 Option 2 ID: 6306801229587 Option 3 ID: 6306801229586 Option 4 ID: 6306801229585 Status: Not Answered Chosen Option: --Q.25 Raziya Sultan was the first and only female ruler of the Sultanate, who ascended the throne in: Ans X 1. 1238 AD X 2. 1242 AD X 3. 1241 AD √ 4. 1236 AD

Question ID: 630680412289
Option 1 ID: 6306801607980
Option 2 ID: 6306801607982
Option 3 ID: 6306801607981
Option 4 ID: 6306801607979
Status: Answered

Q.1 Find the greatest value of 'k' in a 6-digit number 6745k2 such that the number is divisible by 3.

Ans

X 1.7

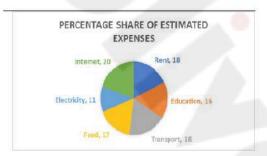
X 2. 8

X 3. 6

Question ID: 630680108869 Option 1 ID: 630680422369 Option 2 ID: 630680422370 Option 3 ID: 630680422368 Option 4 ID: 630680422371 Status : Answered

Chosen Option : 4

Q.2 The below figure shows the estimated expenses of a family whose total estimated expenditure was ₹2,50,000. Study the figure and answer the question that follows.



It was found that the actual expenditure on electricity was 10% more than the estimated expenditure, and the actual expenditure on rent was 20% less than estimated. All other expenses were same as that of the estimates. What was the total actual expenditure?

Ans X 1. ₹2,40,750

X 2. ₹2,52,500

X 3. ₹2,48,750

4. ₹2,43,750

Question ID : 630680387342 Option 1 ID: 6306801510055 Option 2 ID: 6306801510056

Option 3 ID: 6306801510057 Option 4 ID: 6306801510054 Status: Answered

Q.3 One pipe can fill a tank 6 times faster than another pipe. If both the pipes together can fill the tank in 40 minutes, then in how many minutes will the slower pipe alone be able to fill the tank?

Ans

X 1. 290

X 2. 275

X 3. 285

4. 280

Question ID: 630680457291

Option 1 ID: 6306801786079 Option 2 ID: 6306801786076 Option 3 ID: 6306801786078 Option 4 ID: 6306801786077

Status: Answered

Chosen Option: 4

Q.4 Study the given table and answer the question.

Year	Rice gm/day	Wheat gm/day	Pulses gm/day	Vegetables gm/day	
2019	450 55		160 280		
2020	430	60	150	300	
2021	380	65	140	320	
2022	350	70	125	400	
2023	350	80	120	350	

For which year is the daily consumption equal to that of another given year?

Ans X 1. 2021 and 2023

X 2. 2019 and 2023

3. 2019 and 2022

X 4. 2020 and 2022

Question ID: 630680410419

Option 1 ID: 6306801600405 Option 2 ID: 6306801600406

Option 3 ID: 6306801600404 Option 4 ID: 6306801600403 Status: Answered

Chosen Option: 3

Q.5 What conclusion can be drawn about the solution of the following system of linear equations in two variables:

3x + 2y = 7

2x + 3y = 7

Ans X 1. More than two solution

X 2. Infinite solutions

3. Unique solution

X 4. No solution

Question ID: 630680285568

Option 1 ID: 6306801110242 Option 2 ID : 6306801110240

Option 3 ID: 6306801110241

Option 4 ID: 6306801110239

Status: Answered

Q.6 The given table shows the percentage of students passing out of college M over five years.

Years	College M
2018	68
2019	72
2020	40
2021	80
2022	92

What is the percentage increase in the number of students passing out of college M in the year 2022 as compared to the previous year?

Ans

X 1. 10%

X 2. 25%

3. 15%

X 4. 20%

Question ID: 630680428140 Option 1 ID: 6306801670606 Option 2 ID: 6306801670607 Option 3 ID: 6306801670604 Option 4 ID: 6306801670605 Status : **Answered**

Chosen Option: 3

Q.7 If $sec\theta = \sqrt{2}$, then $cosec\theta$ is equal to:

X 2. 1

X 3. 0

X 4. −1

Question ID: 630680397681 Option 1 ID: 6306801550651 Option 2 ID: 6306801550650 Option 3 ID: 6306801550649 Option 4 ID: 6306801550652

Status: Answered Chosen Option : 1

Q.8 The marked price of a revolving chair is ₹15,000. It is available on two successive discounts of 20% and 12%. What is its selling price (in ₹)?

X 1. 9,560

X 2. 10,230

X 3. 9,230

4. 10,560

Question ID: 630680428419 Option 1 ID: 6306801671721

Option 2 ID: 6306801671722 Option 3 ID : **6306801671720**

Option 4 ID: 6306801671723

Status: Answered

Q.9 The given table shows the expenditure (in crore ₹) of three companies A, B and C and the percentage profit of these companies in different years. Given that:

 $Income = Expenditure + Expenditure \times \frac{Profit \%}{100}$

	Years	Company A		Company B		Company C	
		Expenditure	Profit	Expenditure	Profit	Expenditure	Profit
	2002	24	50%	20	40%	40	45%
	2003	30	45%	15	25%	50	55%
Г	2004	36	40%	25	35%	60	65%
Г	2005	40	60%	35	48%	80	75%

What is the difference (in crore ₹) between the profits of Company A and Company B in the year 2005?

Ans

- X 1. 10.4
 - X 2. 8.3
 - X 3. 12.5
 - **4**. 7.2

Question ID: 630680523700
Option 1 ID: 6306802046951
Option 2 ID: 6306802046954
Option 3 ID: 6306802046953
Option 4 ID: 6306802046952

Status : **Answered** Chosen Option : **4**

Q.10 The radius of a circle is 12.5 cm and the length of one its chords is 11 cm. What is the distance of the chord from the centre? (correct to one decimal place)

Ans X 1. 10 cm

X 2. 12 cm

√ 3. 11.2 cm

X 4. 13.2 cm

Question ID: 630680397598

Option 1 ID : 6306801550316

Option 2 ID : 6306801550313

Option 3 ID: 6306801550314

Option 4 ID: 6306801550315

Status : Answered

Chosen Option: 3

\triangle ABC and \triangle PQR are respectively congruent. If AB = 8 = PQ, BC = 10 = QR and \angle B = 35°,

then what is the value of $\angle P + \angle C$?

Ans X 1. 160°

X 2. 120°

X 3. 130°

√ 4. 145°

Question ID: 630680378596

Option 1 ID : 6306801475431

Option 2 ID : **6306801475432**

Option 3 ID : **6306801475433**

Option 4 ID : 6306801475434

Status : Answered

Q.12 In an election between two candidates, 80% of the voters cast their votes, out of which 4% votes were declared invalid. A candidate got 15,360 votes which were 80% of the valid votes. Find the total number of votes. **X** 1. 18,000 Ans X 2. 23,000 **3**. 25,000 **X** 4. 20,000 Question ID : 630680395434 Option 1 ID: 6306801541916 Option 2 ID: 6306801541918 Option 3 ID: 6306801541919 Option 4 ID: 6306801541917 Status: Answered Chosen Option: 3 Q.13 PQ is the diameter of a circle with centre A. M is a point on the circumference of the circle. If $m \angle MAP = 110^{\circ}$, then find the value of $m \angle MQA$. X 1. 70° Ans √ 2. 55° X 3. 35° X 4. 65° Question ID: 630680200524 Option 1 ID: 630680777451 Option 2 ID: 630680777453 Option 3 ID: 630680777454 Option 4 ID: 630680777452 Status : Answered Chosen Option : 2 Q.14 The volume of a right circular cylindrical box of radius 30cm is 600cm³. Find the height of the box. √ 1. 0.21cm Ans X 2. 0.61cm X 3. 0.51cm X 4. 0.31cm Question ID: 630680101833 Option 1 ID: 630680395693 Option 2 ID: 630680395695 Option 3 ID: 630680395694 Option 4 ID: 630680395692 Status: Answered Chosen Option: 1

Q.15 Triangle XYZ is an isosceles triangle with sides XY = XZ. If the measure of angle Y is 80°, what is the measure of angle X?

Ans

X 1. 30°

× 2. 40° × 3. 50°

√ 4. 20°

Question ID: 630680421402
Option 1 ID: 6306801644072
Option 2 ID: 6306801644073
Option 3 ID: 6306801644074
Option 4 ID: 6306801644071

Status : Answered

Chosen Option : 4

Q.16 Simplify the following expression.

$$(3x + 17 - 2y)(3x - 17 - 2y)$$

Ans

$$\times$$
 1. $9x^2 + 12xy + 4y^2 - 289$

$$\times$$
 2. $9x^2 - 6xy + 4y^2 - 289$

$$\times$$
 3. $9x^2 - 12xy + 4y^2 + 289$

$$\checkmark$$
 4. $9x^2 - 12xy + 4y^2 - 289$

Question ID : 630680413541

Option 1 ID : **6306801612989** Option 2 ID : **6306801612988**

Option 3 ID : **6306801612991** Option 4 ID : **6306801612990**

Status: Answered

Chosen Option : 4

Q.17 In how much time (in years, rounded off to 2 decimal places) will ₹10,800 amount to ₹24,800 if invested at simple interest at the rate of 15.5% per annum?

Δne

X 1. 7.72

X 2. 9.54

X 3. 6.89

4. 8.36

Question ID: 630680388995

Option 1 ID: 6306801516442 Option 2 ID: 6306801516444 Option 3 ID: 6306801516443 Option 4 ID: 6306801516445

Status : Answered

Q.18 In what ratio, sugar costing ₹78 per kg be mixed with sugar costing ₹46 per kg such that by selling the mixture at ₹75 per kg there is a gain of 20%?

Ans X 1. 37 : 31

2. 33 : 31

X 3. 31 : 29

X 4. 33 : 37

Question ID: 630680518831
Option 1 ID: 6306802027799
Option 2 ID: 6306802027798
Option 3 ID: 6306802027796
Option 4 ID: 6306802027797
Status: Answered

Chosen Option : 2

Q.19 If $2 \sin^2 \theta + 3 \sin \theta - 2 = 0$, $(0 < \theta < 90^\circ)$, then the value of θ is:

Ans

√ 1. 30°

× 2. 15°

X 3. 45°

X 4. 60°

Question ID: 630680344634
Option 1 ID: 6306801340845
Option 2 ID: 6306801340847
Option 3 ID: 6306801340848
Option 4 ID: 6306801340846
Status: Answered

Chosen Option: 1

Q.20 Find the value of
$$11 - \{(3 \div 4) \text{ of } 8 - \overline{4 - 8}\}$$

Ans X 1. −1

X 2. 3

X 3. 2

4. 1

Question ID: 630680397291 Option 1 ID: 6306801549221 Option 2 ID: 6306801549223 Option 3 ID: 6306801549220

Option 4 ID : **6306801549222**Status : **Answered**

Q.21 Samreen sells a keyboard for ₹1,260 at a profit of 25%, and another keyboard for ₹1,440 at a loss of 10%. What is her total gain or loss percentage?

- \times 1. $3\frac{11}{27}\%$ Loss
- \times 2. $3\frac{86}{163}\%$ Loss
- $\sqrt{3}$ 3 $\frac{86}{163}$ % Gain
- \times 4. $3\frac{11}{27}\%$ Gain

Question ID: 630680429060 Option 1 ID: 6306801674286 Option 2 ID: 6306801674284 Option 3 ID: 6306801674285

Option 4 ID: 6306801674287 Status: Marked For Review

Chosen Option: 3

Q.22 If $\sin 3A = \cos(A - 26^{\circ})$, then A = _____, where 3A is an acute angle.

- Ans X 1. 78 0
 - × 2. 26°
 - **√** 3. 29 °
 - X 4. 52 0

Question ID : 630680402553

Option 1 ID: 6306801569778 Option 2 ID: 6306801569775 Option 3 ID: 6306801569777

Option 4 ID: 6306801569776

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.23 A thief is spotted by a policeman from a distance of 100 m. The thief starts running and the policeman chases him. If the speed of thief and policeman are 21 km/h and 23 km/h, respectively, then how far will the thief have to run before he is over taken?

Ans

- X 1. 1090 m
- ✓ 2. 1050 m
- X 3. 1080 m
- X 4. 1020 m

Question ID: 630680428675

Option 1 ID: 6306801672747

Option 2 ID: 6306801672745

Option 3 ID: 6306801672744

Option 4 ID: 6306801672746

Status: Answered

Q.24 A, B and C invested money in a business such that 2 times A's share, 4 times B's share and 6 times C's share are all equal. If they earned ₹44,000, find the share of A.

Ans

- **X** 1. ₹12,000
- X 2. ₹22,000
- **√** 3. ₹24,000
- X 4. ₹20,000

Question ID: 630680455663 Option 1 ID: 6306801779604 Option 2 ID: 6306801779602 Option 3 ID: 6306801779603 Option 4 ID: 6306801779601 Status : Answered

Chosen Option: 3

Q.25 Amit's father is aged five times more than Amit. After 6 years, he would be three and a half times of Amit's age. After further 9 years, how many times of Amit's age would he

Ans

- \times 1. $2\frac{1}{4}$ times
- ✓ 2. $2\frac{3}{7}$ times × 3. $2\frac{3}{4}$ times × 4. $3\frac{2}{7}$ times

Question ID: 630680296757

Option 1 ID: 6306801154679 Option 2 ID: 6306801154680 Option 3 ID: 6306801154682

Option 4 ID: 6306801154681 Status: Not Answered

Chosen Option: --

Section: English Comprehension

Q.1 Select the most appropriate phrasal verb to fill in the blank.

We need to _ __ a solution to this problem before it gets worse.

X 1. cut down on

X 2. break down

3. come up with

X 4. break up

Question ID: 630680514350

Option 1 ID: 6306802010026

Option 2 ID: 6306802010027

Option 3 ID: 6306802010025 Option 4 ID: 6306802010028

Status: Answered

Q.2 Select the most appropriate idiom for the given group of words. A time when money might unexpectedly be needed X 1. A rash of something Ans X 2. A raw deal X 3. A rap over the knuckles 4. A rainy day Question ID: 630680360082 Option 1 ID: 6306801402274 Option 2 ID: 6306801402275 Option 3 ID: 6306801402273 Option 4 ID: 6306801402276 Status: Marked For Review Chosen Option: 3 Q.3 Select the most appropriate option that can substitute the underlined segment in the Mr. Adhil called back but he wasn't able to find the scooter part he needed. X 1. called down but he wasn't able to Ans X 2. called up to but he wasn't able to X 3. called off but he wasn't able to ✓ 4. called around but he wasn't able to

Question ID : 630680184897 Option 1 ID : 630680716551 Option 2 ID : 630680716552 Option 3 ID : 630680716550 Option 4 ID : 630680716549 Status : Marked For Review

Chosen Option : 4

Q.4 Select the most appropriate ANTONYM of the given word from the following sentence.

Barren

"Can you believe how much traffic there is today?", grumbled Tom, glancing at the congested road ahead.

Ans X 1. Grumbled

X 2. Glancing

X 3. Believe

4. Congested

Question ID: 630680517402
Option 1 ID: 6306802022005
Option 2 ID: 6306802022006
Option 3 ID: 6306802022004
Option 4 ID: 6306802022007

Status : **Answered** Chosen Option : **4**

Q.5 Select the most appropriate ANTONYM of the underlined word in the following sentence. It was difficult to accommodate the $\underline{avariciousness}$ of the people. X 1. Criticism X 2. Envy X 3. Hatred 4. Generosity Question ID: 630680166618 Option 1 ID: 630680645385 Option 2 ID: 630680645384 Option 3 ID: 630680645387 Option 4 ID: 630680645386 Status: Answered Chosen Option: 4 Q.6 Select the INCORRECTLY spelt word.. X 1. Confidential 2. Measerement X 3. Region X 4. Strengths Question ID: 630680378004 Option 1 ID: 6306801473078 Option 2 ID: 6306801473076 Option 3 ID: 6306801473075 Option 4 ID: 6306801473077 Status: Answered Chosen Option : 2 Q.7 Select the most appropriate option to substitute the underlined word segment in the given sentence. A herd of cattle consists of related females, cubs, and a small number of adult males. ✓ 1. pride of lions Ans X 2. school of fish X 3. flock of birds X 4. pack of wolves Question ID: 630680168514 Option 1 ID: 630680652669 Option 2 ID: 630680652668 Option 3 ID: 630680652670 Option 4 ID: 630680652671 Status: Answered Chosen Option: 1

Q.8 Select the most appropriate synonym of the given word. Maverick Ans X 1. Conformist 2. Bohemian X 3. Orthodox X 4. Follower Question ID: 630680132477 Option 1 ID: 630680513045 Option 2 ID : **630680513044** Option 3 ID: 630680513042 Option 4 ID: 630680513043 Status : Not Attempted and Marked For Review Chosen Option: --Q.9 Identify the error in the given sentence. Camels tend to move slowly than other domestic animals in the plains. X 1. domestic animals in the plains. Ans 2. move slowly X 3. Camels tend to X 4. than other Question ID: 630680402693 Option 1 ID: 6306801570376 Option 2 ID: 6306801570374 Option 3 ID: 6306801570373 Option 4 ID: 6306801570375 Status : Answered Chosen Option: 2 Q.10 Select the option that can be used as a one-word substitute for the given group of words. A person who does not believe in God 1. Atheist Ans X 2. Amateur X 3. Anarchy X 4. Autocrat Question ID : 630680295230 Option 1 ID: 6306801148646 Option 2 ID: 6306801148647 Option 3 ID: 6306801148645 Option 4 ID: 6306801148644 Status: Answered Chosen Option: 1

given sentence. I saw a shabby looking man living in the cavity of a mountain. X 1. height X 2. elevation X 3. mound 4. hole Question ID : 630680145482 Option 1 ID: 630680562905 Option 2 ID: 630680562903 Option 3 ID: 630680562904 Option 4 ID: 630680562902 Status: Answered Chosen Option: 4 Q.12 Select the most appropriate synonym of the underlined word in the given sentence. This is a clear example of conflict of egos. X 1. mingling Ans X 2. infliction √ 3. clash X 4. crash Question ID: 630680206674 Option 1 ID: 630680801298 Option 2 ID: 630680801297 Option 3 ID: 630680801296 Option 4 ID: 630680801295 Status : Answered Chosen Option: 3 Q.13 Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence. P) her face Q) I have R) for a year S) not seen Ans X 1. SPQR X 2. PQRS X 4. PSQR Question ID: 630680377247 Option 1 ID: 6306801470053 Option 2 ID: 6306801470051 Option 3 ID: 6306801470052 Option 4 ID: 6306801470054 Status: Answered Chosen Option: 3

Q.11 Select the most appropriate option that can substitute the underlined word in the

Q.14 Select the most appropriate meaning of the underlined idiom in the following sentence.
 Instead of confusing others, let us <u>call a spade a spade</u> in front of the audience.
 Ans 1. Be at strife

X 3. Pretend superiority

X 2. Remain silent

4. Speak truthfully

Question ID: 630680317820
Option 1 ID: 6306801236375
Option 2 ID: 6306801236374
Option 3 ID: 6306801236373
Option 4 ID: 6306801236376
Status: Answered

Chosen Option: 4

Q.15 Select the INCORRECTLY spelt word.

Ans X 1. Connoisseur

X 2. Privilege

3. Neccessary

X 4. Dilemma

Question ID: 630680409925
Option 1 ID: 6306801598532
Option 2 ID: 6306801598530
Option 3 ID: 6306801598529
Option 4 ID: 6306801598531
Status: Answered

Chosen Option: 3

Q.16 Select the most appropriate option that can substitute the underlined segment in the given sentence.

It is nothing else your pride which makes you say such a thing.

Ans X 1. else but your pride which make

X 2. else your pride that makes

3. else but your pride which makes

X 4. else your pride which make

Question ID : 630680156312 Option 1 ID : 630680604939 Option 2 ID : 630680604937 Option 3 ID : 630680604938 Option 4 ID : 630680604936

Status : **Answered** Chosen Option : **3**

Q.17 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 door of the flat was ajar.

B.The taxi stopped.

C.Mr. Satterthwaite flung himself out and raced up the stone stairs to the second floor like a young athlete.

D.He pushed it open, and the great voice welcomed him.

Ans X 1. ABCD

2. BCAD

X 3. DCBA

X 4. BACD

Question ID: 630680375513
Option 1 ID: 6306801463207
Option 2 ID: 6306801463210
Option 3 ID: 6306801463208
Option 4 ID: 6306801463209

Status : **Answered** Chosen Option : **2**

Q.18 Select the option that expresses the given sentence in passive voice.

He has written a best-selling novel.

Ans 1. A best-selling novel has been written by him.

X 2. A best-selling novel was written by him.

X 3. A best-selling novel was being written by him

X 4. A best-selling novel would have been written by him.

Question ID: 630680415188

Option 1 ID: 6306801619502

Option 2 ID: 6306801619499

Option 3 ID: 6306801619501

Option 4 ID: 6306801619500

Status: Answered

Chosen Option : 1

Q.19 Select the option that expresses the given sentence in passive voice.

He wrote an inspiring speech for the event.

Ans 1. An inspiring speech was written by him for the event.

X 2. An inspiring speech was being written by him for the event.

X 3. An inspiring speech has been written by him for the event.

X 4. An inspiring speech is written by him for the event.

Question ID: 630680415201 Option 1 ID: 6306801619551 Option 2 ID: 6306801619554 Option 3 ID: 6306801619552 Option 4 ID: 6306801619553

Status : Answered

Q.20	Select the most appropriate meaning of the underlined word in the This building is colossal and it can hold a village's population in it					
Ans	★ 1. very beautiful					
	✓ 2. very huge					
	X 3. puny					
	X 4. temporary					
		Question ID : 630680129838				
		Option 1 ID : 630680502942				
		Option 2 ID : 630680502943 Option 3 ID : 630680502944				
		Option 4 ID : 630680502945				
		Status : Answered				
		Chosen Option : 2				
	Comprehension:					
	In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.					
	school in Bogotá neard of the school. To did well. One of his s audience to a herd ents, without telling ne. He went on to do with his own (4) in the minority in the spaces. No one had					
	tried to explicitly (5) him, yet he felt alone. In math, co opens up new kinds of learning and thinking. But in his nine years at MI others only twice.					
	SubQuestion No : 21					
Q.21	21 Select the most appropriate option to fill in blank no. 1					
Ans						
	X 2. apprehensive					
	X 3. apologetic					
	× 4. excellent					
	A. OXCONOTE					
		Question ID : 630680147462				
		Option 1 ID : 630680570625				
		Option 2 ID : 630680570623				
		Option 3 ID : 630680570624				
		Option 4 ID : 630680570622				
		Status : Answered				
		Chosen Option : 1				

Comprehension: In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The mathematician Federico Ardila-Mantilla grew up in Colombia, an (1) student but gifted in math. He was failing most of his classes at his high school in Bogotá when someone (2) him to apply to MIT. He had not heard of the school. To his surprise, he got in, and he went on scholarship. Mathematically, he did well. One of his professors, an acid-tongued theoretician known to (3) his audience to a herd of cows, routinely tucked 'open' math problems into homework assignments, without telling the students. These had never been solved by anyone. Ardila solved one. He went on to receive his bachelor's and Ph.D. in math from MIT. But his academic experience was also one of isolation. Part of it had to do with his own (4) Part of it was cultural. As a Latino, he was very much in the minority in the department, and he did not feel comfortable in American mathematical spaces. No one had tried to explicitly (5) him, yet he felt alone. In math, collaborating with others opens up new kinds of learning and thinking. But in his nine years at MIT, Ardila worked with others only twice. SubQuestion No: 22 Q.22 Select the most appropriate option to fill in blank no. 2 X 1. dissuaded 2. suggested X 3. dispirited X 4. removed Question ID: 630680147463 Option 1 ID: 630680570626 Option 2 ID: 630680570627 Option 3 ID: 630680570628 Option 4 ID: 630680570629 Chosen Option: 2 Comprehension: In the following passage, some words have been deleted. Read the passage carefully and

select the most appropriate option to fill in each blank.

The mathematician Federico Ardila-Mantilla grew up in Colombia, an (1) student but gifted in math. He was failing most of his classes at his high school in Bogotá when someone (2) him to apply to MIT. He had not heard of the school. To his surprise, he got in, and he went on scholarship. Mathematically, he did well. One of his professors, an acid-tongued theoretician known to (3) _ his audience to a herd of cows, routinely tucked 'open' math problems into homework assignments, without telling the students. These had never been solved by anyone. Ardila solved one. He went on to receive his bachelor's and Ph.D. in math from MIT.

But his academic experience was also one of isolation. Part of it had to do with his own (4) Part of it was cultural. As a Latino, he was very much in the minority in the department, and he did not feel comfortable in American mathematical spaces. No one had him, yet he felt alone. In math, collaborating with others tried to explicitly (5) opens up new kinds of learning and thinking. But in his nine years at MIT, Ardila worked with others only twice.

SubQuestion No: 23

Q.23 Select the most appropriate option to fill in blank no. 3

Ans

1. compare

X 2. differentiate

X 3. strangulate

X 4. malign

Question ID: 630680147464 Option 1 ID: 630680570630 Option 2 ID: 630680570631 Option 3 ID: 630680570633 Option 4 ID: 630680570632 Status: Answered

Status : Answered

Comprehension: In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. The mathematician Federico Ardila-Mantilla grew up in Colombia, an (1) student but gifted in math. He was failing most of his classes at his high school in Bogotá when someone (2) him to apply to MIT. He had not heard of the school. To his surprise, he got in, and he went on scholarship. Mathematically, he did well. One of his professors, an acid-tongued theoretician known to (3) _ his audience to a herd of cows, routinely tucked 'open' math problems into homework assignments, without telling the students. These had never been solved by anyone. Ardila solved one. He went on to receive his bachelor's and Ph.D. in math from MIT. But his academic experience was also one of isolation. Part of it had to do with his own (4) Part of it was cultural. As a Latino, he was very much in the minority in the department, and he did not feel comfortable in American mathematical spaces. No one had tried to explicitly (5) him, yet he felt alone. In math, collaborating with others opens up new kinds of learning and thinking. But in his nine years at MIT, Ardila worked with others only twice. SubQuestion No: 24 Q.24 Select the most appropriate option to fill in blank no. 4. X 1. quantification 2. introversion X 3. interrogation X 4. molestation Question ID: 630680147465 Option 1 ID: 630680570637 Option 2 ID: 630680570635 Option 3 ID: 630680570634 Option 4 ID: 630680570636 Chosen Option: 3 Comprehension: In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The mathematician Federico Ardila-Mantilla grew up in Colombia, an (1) student but gifted in math. He was failing most of his classes at his high school in Bogotá him to apply to MIT. He had not heard of the school. To when someone (2) his surprise, he got in, and he went on scholarship. Mathematically, he did well. One of his professors, an acid-tongued theoretician known to (3) _ his audience to a herd of cows, routinely tucked 'open' math problems into homework assignments, without telling the students. These had never been solved by anyone. Ardila solved one. He went on to receive his bachelor's and Ph.D. in math from MIT. But his academic experience was also one of isolation. Part of it had to do with his own (4)

Part of it was cultural. As a Latino, he was very much in the minority in the department, and he did not feel comfortable in American mathematical spaces. No one had him, yet he felt alone. In math, collaborating with others tried to explicitly (5) opens up new kinds of learning and thinking. But in his nine years at MIT, Ardila worked with others only twice.

SubQuestion No: 25

Q.25 Select the most appropriate option to fill in blank no. 5.

X 1. fabricate

2. exclude

X 3. incorporate

X 4. stratify

Question ID: 630680147466 Option 1 ID: 630680570641 Option 2 ID: 630680570638 Option 3 ID: 630680570640 Option 4 ID: 630680570639

Status : Not Attempted and Marked For Review

Status: Marked For Review