### Combined Graduate Level Examination 2024 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	11/09/2024
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination Tier I

Section: General Intelligence and Reasoning

Q.1 Which two numbers (not digits) should be interchanged to make the given equation correct?

 $48 \div 3 + 12 \times 4 - 6 \times 7 + 21 = 27$ 

Ans X 1. 12 and 21

X 2. 4 and 7

X 4. 3 and 6

Question ID : **630680319373** Option 1 ID : **6306801242398** 

Option 2 ID : **6306801242400** Option 3 ID : **6306801242397** 

Option 4 ID: 6306801242399

Status : Answered

Chosen Option: 3

Q.2 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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 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.) (280, 140) (186, 93)

Ans X 1. (92, 51)

X 2. (86, 48)

**X** 3. (166, 84)

**4**. (118, 59)

Question ID: 630680338903

Option 1 ID: 6306801318204

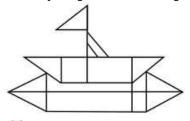
Option 2 ID : **6306801318201** 

Option 3 ID : **6306801318203** 

Option 4 ID: 6306801318202

Status : Answered

Q.3 How many triangles are there in the given figure?



Ans X 1.9

X 2. 10

X 3.8

4. 11

Question ID: 630680296584

Option 1 ID: 6306801153988 Option 2 ID: 6306801153989

Option 3 ID: 6306801153987

Option 4 ID: 6306801153990 Status : Answered

Chosen Option: 4

Q.4 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 bottles are jugs. Some bottles are flasks.

All flasks are bins.

Conclusions:

I. Some bottles are bins.

II. Some jugs are bins.

III. Some flasks are jugs.

✓ 1. All conclusions I, II and III follow

X 2. Only conclusions II and III follow

X 3. Either conclusion I or II follows

X 4. Only conclusions I and II follow

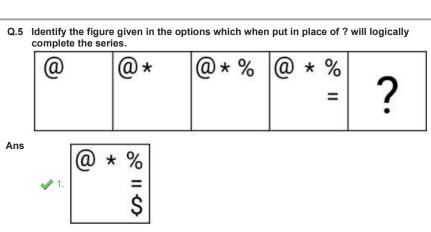
Question ID: 630680416386

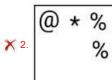
Option 1 ID: 6306801624310

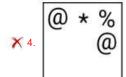
Option 2 ID: 6306801624307

Option 3 ID: 6306801624309 Option 4 ID: 6306801624308

Status: Answered







Question ID : 630680524392 Option 1 ID : 6306802049669 Option 2 ID : 6306802049668 Option 3 ID : 6306802049667 Option 4 ID : 6306802049670

Status : **Answered** Chosen Option : **1** 

Q.6 In a certain code language,

A + B means 'A is the son of B',

A - B means 'A is the wife of B',

A × B means 'A is the brother of B' and

A ÷ B means 'A is the mother of B'.

Based on the above, if 'P + Q  $\div$  R - T × M', which of the following is true?

Ans X 1. T is the brother of P.

X 2. M is the sister of T.

3. P is the brother of R.

X 4. Q is the mother of M.

Question ID: 630680284896 Option 1 ID: 6306801107583 Option 2 ID: 6306801107586 Option 3 ID: 6306801107585

Option 3 ID : **6306801107585** Option 4 ID : **6306801107584** 

Status : Answered

Chosen Option :  ${\bf 1}$ 

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. RATE: SCWI:: HIGH: IKJL:: OPEN:? X 1. PQHR 2. PRHR X 3. PRIS X 4. PSIR Question ID: 630680416283 Option 1 ID: 6306801623898 Option 2 ID: 6306801623896 Option 3 ID: 6306801623897 Option 4 ID: 6306801623895 Status: Answered Chosen Option: 2 Q.8 In a certain code language, 'CONFUSED' is coded as '7' and 'CHAIN' is coded as '4'. How will 'ADULTHOOD' be coded in that language? X 1.6 Ans **3**.8 X 4.9 Question ID: 630680172758 Option 1 ID: 630680669435 Option 2 ID: 630680669433 Option 3 ID: 630680669434 Option 4 ID: 630680669432 Status: Answered Chosen Option: 3 Q.9 The question contains pairs of words that are related to each other in a certain way. Three of the following four word pairs are alike as these have the same relationship and thus form a group. Which word pair is the one that DOES NOT belong to that aroup? (The words must be considered as meaningful English words and must not be related to each other based on the number of letters / number of consonants/vowels in the word.) Ans X 1. Eye – ophthalmologist X 2. Bone – orthopaedic 💢 3. Stomach – gastroenterologist 4. Uterus – urologist

> Question ID: 630680798748 Option 1 ID: 6306803129844 Option 2 ID: 6306803129845 Option 3 ID: 6306803129846 Option 4 ID: 6306803129847

Status : Answered

Q.10 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

Ans X 1.rpqrrprq

X 2.rpqrrqrp

🗶 4. rpqqrqrp

Question ID: 630680265665

Option 1 ID: 6306801032129

Option 2 ID: 6306801032127

Option 3 ID : 6306801032128

Option 4 ID : **6306801032130** Status : **Answered** 

Chosen Option: 3

Q.11 Which of the following numbers will replace the question mark (?) in the given series?

17, 38, 84, ?, 376, 772

Ans X 1. 150

X 2. 190

**3**. 180

**X** 4. 200

Question ID: 630680411887

Option 1 ID: 6306801606383

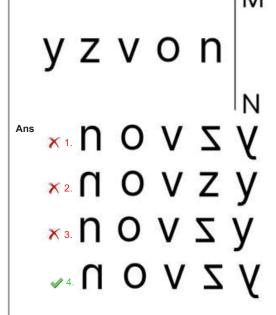
Option 2 ID: 6306801606385

Option 3 ID: 6306801606384

Option 4 ID : 6306801606386

Status : Answered

Q.12 Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



Question ID: 630680389697 Option 1 ID: 6306801519246 Option 2 ID: 6306801519247 Option 3 ID: 6306801519248 Option 4 ID: 6306801519249

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

Q.13 The same operation(s) are followed in all the given number pairs except one. Find that odd number pair.

(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. 135 : 17

X 2. 151 : 19

3. 128 : 16

**X** 4. 103 : 13

Question ID : 630680412036

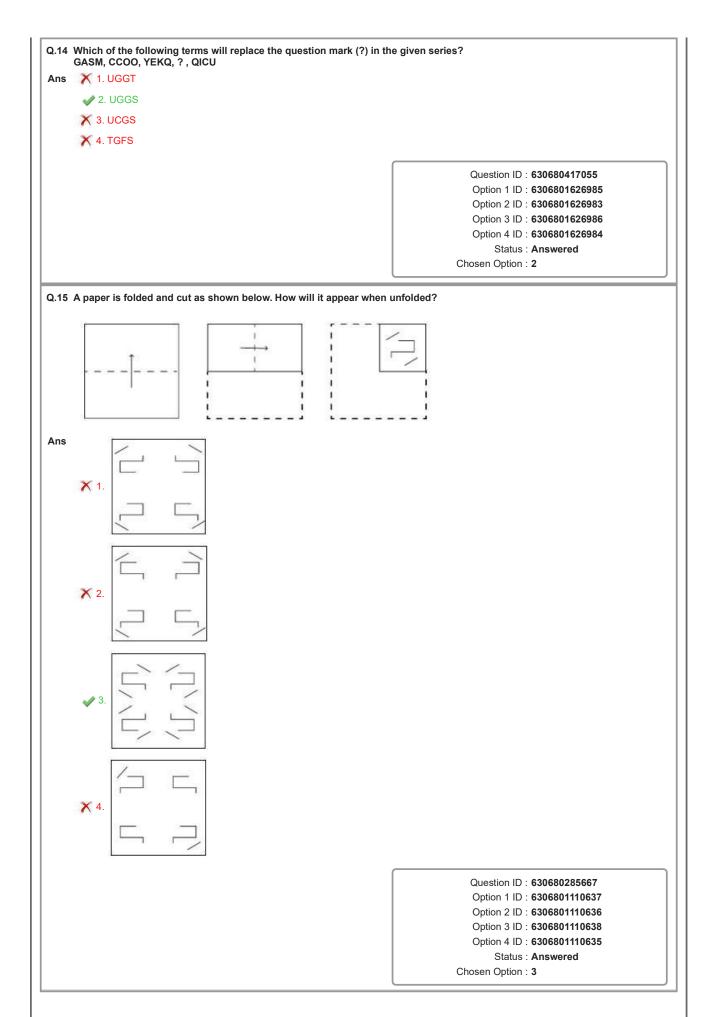
Option 1 ID: 6306801606980

Option 2 ID: 6306801606982

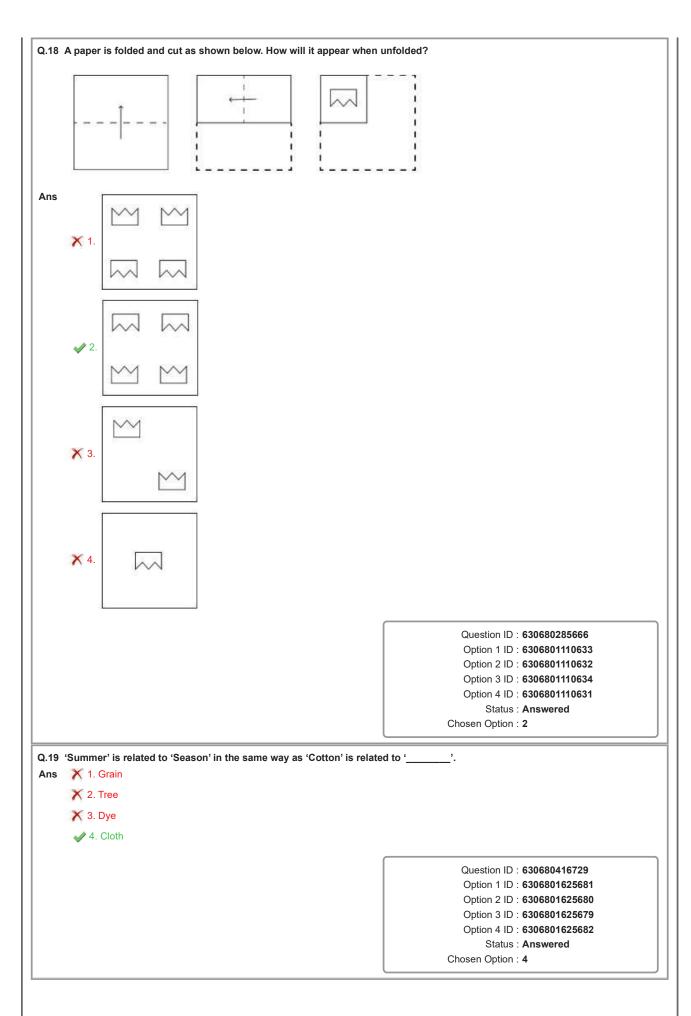
Option 3 ID : **6306801606979** 

Option 4 ID: 6306801606981

Status: Answered



Q.16 उस विकल्प का चयन करें जो तीसरे शब्द से उसी प्रकार संबंधित है जैसे दूसरा शब्द पहले शब्द से संबंधित है। (शब्दों को अर्थपूर्ण अंग्रेजी शब्दों के रूप में माना जाना चाहिए और शब्द आपस में अक्षरों की संख्या/व्यंजन/स्वरों की संख्या के आधार पर एक दूसरे से संबंधित नहीं होना चाहिए) कटुता : मानवता :: संभालना : ? Ans 💢 1. नियुक्त करना 🗶 2. निग्रह 🥒 ३. त्यागना 🗶 ४. खींचना Question ID: 630680195785 Option 1 ID: 630680759593 Option 2 ID : 630680759594 Option 3 ID: 630680759592 Option 4 ID: 630680759591 Status : Answered Chosen Option: 3 Q.17 The position(s) of how many letters will remain unchanged if all the letters in the word 'MEADOW' are arranged in English alphabetical order? 1. Two X 2. One X 3. None X 4. Three Question ID: 630680375923 Option 1 ID: 6306801464766 Option 2 ID: 6306801464765 Option 3 ID: 6306801464763 Option 4 ID: 6306801464764 Status: Answered Chosen Option : 1



Q.20 16 is related to 112 following a certain logic. Following the same logic, 26 is related to 182. To which of the following is 44 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. 310

X 2.302

**3.308** 

X 4. 312

Question ID : 630680344650 Option 1 ID : 6306801340911 Option 2 ID : 6306801340909 Option 3 ID : 6306801340910

Option 4 ID : **6306801340912** Status : **Answered** 

Chosen Option: 3

Q.21 8 is related to 512 following a certain logic. Following the same logic, 12 is related to 1728. To which of the following is 15 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 🚀 1. 3375

X 2. 2725

X 3. 3735

X 4. 2275

Question ID : 630680344657

Option 1 ID: 6306801340940

Option 2 ID: 6306801340938

Option 3 ID: 6306801340939

Option 4 ID : **6306801340937** Status : **Answered** 

Chosen Option : 1

Q.22 What will come in place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

14014 × 14 – 10 ÷ 8 + 14 = ?

Ans X 1. 1062

X 2. 1063

**3**. 1067

X 4. 1064

Question ID: 630680411731

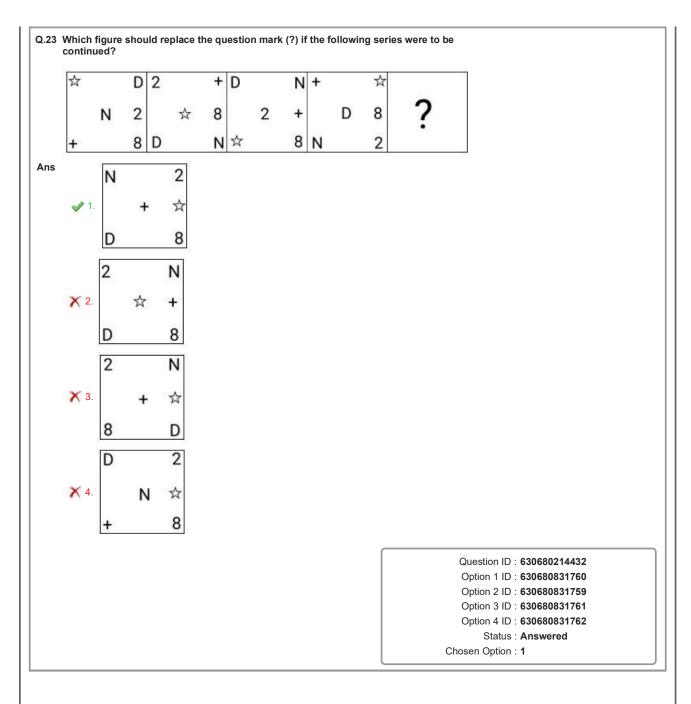
Option 1 ID: 6306801605759

Option 2 ID: 6306801605760

Option 3 ID: 6306801605762

Option 4 ID: 6306801605761

Status : Answered



# Q.24 Figure X is followed by four figures numbered (1), (2), (3), (4). Identify the figure among the four in which figure X is embedded (i.e. contains figure X in the same form).













.....

Ans

1. 2

X 2.3

X 3.4

X 4. 1

Question ID: 630680388184

Option 1 ID : **6306801513299** 

Option 2 ID : 6306801513300

Option 3 ID : **6306801513301** Option 4 ID : **6306801513298** 

Status : Answered

Chosen Option : 1

# Q.25 In a certain code language, 'DEMAND' is written as '410132144' and 'SUPPLY' is written as '194216161225'.How will 'PRODUCT' be written in that language?

Ans X 1. 161815421320

2. 161830442320

X 3. 323615821640

X 4. 161542320

Question ID: 630680416226

Option 1 ID: 6306801623669

Option 2 ID : **6306801623670** Option 3 ID : **6306801623667** 

Option 4 ID : **6306801623668** 

Status : Answered

Chosen Option: 2

#### Section: General Awareness

- Q.1 Consider the following statements associated with the India Infrastructure Project Development Fund (IIPDF).
  - 1. IIPDF was set up in 2017.
  - 2. The funds for IIPDF are provided by the Central Government'?
  - 3. This scheme is notified under the Department of Economic Affairs.

Which of the above statements is/are INCORRECT?

Ans X 1. Only 1 and 2

2. Only 1

X 3. Only 2 and 3

X 4. Only 3

Question ID: 630680319748

Option 1 ID : 6306801243898

Option 2 ID: 6306801243900

Option 3 ID: 6306801243899

Option 4 ID: 6306801243897

Status: Marked For Review

## Q.2 Which party formed the government in Britain in the year 1945? 1. Labour Party Ans X 2. Socialist Party X 3. Democratic Party X 4. Liberal Party Question ID: 630680511553 Option 1 ID: 6306801999337 Option 2 ID: 6306801999335 Option 3 ID: 6306801999334 Option 4 ID: 6306801999336 Status: Answered Chosen Option: 1 Q.3 Which type of radiation has very short (<10<sup>-3</sup> nm) wavelengths, produced by nuclear explosions, lightning and less dramatic activity of radioactive decay? Ans X 1. Microwave X 2. Infra-red X 3. Ultraviolet 4. Gamma Question ID: 630680302889 Option 1 ID: 6306801178221 Option 2 ID: 6306801178218 Option 3 ID: 6306801178219 Option 4 ID: 6306801178220 Status: Answered Chosen Option: 4 Q.4 Bharatanatyam dance style is associated with which of the following states? X 1. Karnataka 2. Tamil Nadu X 3. Bihar X 4. Manipur Question ID: 630680402014 Option 1 ID: 6306801567768 Option 2 ID: 6306801567766 Option 3 ID: 6306801567767 Option 4 ID: 6306801567769 Status: Answered Chosen Option: 2 Q.5 Which Indian marathon event is considered the largest marathon in Asia? Ans X 1. Kaveri Trail Marathon 2. Mumbai Marathon X 3. Delhi Half Marathon X 4. Pinkathon

Question ID: 630680510759
Option 1 ID: 6306801996167
Option 2 ID: 6306801996166
Option 3 ID: 6306801996168
Option 4 ID: 6306801996169
Status: Not Answered

Chosen Option : --

Q.6 Which of the following organisations, divided into two branches, was established by Lokmanya Bal Gangadhar Tilak and Annie Besant?

Ans X 1. Theosophical society

2. Home Rule League

X 3. East Indian Association

X 4. Indian Association

Question ID : 630680412384 Option 1 ID : 6306801608362 Option 2 ID : 6306801608359 Option 3 ID : 6306801608360 Option 4 ID : 6306801608361 Status : Answered

Chosen Option: 2

- Q.7 Consider the following statements and choose the correct statement(s) from the following:
  - 1. The UDAN scheme has completed five years since its implementation in 2017.
  - 2. It is the flagship scheme of the Ministry of Science and Technology.
  - 3. The Airports Authority of India is the implementing agency of this scheme.

Ans X 1. Only statement 2

2. Only statements 1 and 3

X 3. Only statements 2 and 3

X 4. Only statement 3

Question ID: 630680195343
Option 1 ID: 630680757844
Option 2 ID: 630680757842
Option 3 ID: 630680757841
Option 4 ID: 630680757843
Status: Not Answered

Chosen Option: --

Q.8 In which of the following years did India NOT host the ICC Cricket World Cup Tournament?

Ans X 1. 1996

**2**. 1983

**X** 3. 1987

**X** 4. 2011

Question ID: 630680510794 Option 1 ID: 6306801996308 Option 2 ID: 6306801996306

Option 3 ID: **6306801996307** Option 4 ID: **6306801996309** 

Status: Answered

### Q.9 Ebony and Mahogany trees are found in which type of forests? Ans X 1. Montane forests

X 2. Mangrove forests

3. Tropical evergreen forests

¥ 4. Tropical deciduous forests

Question ID: 630680328136 Option 1 ID: 6306801276514 Option 2 ID: 6306801276513 Option 3 ID: 6306801276515 Option 4 ID: 6306801276516 Status: Answered

Chosen Option: 3

#### Q.10 Who among the following was one of the Navratnas of Akbar?

X 1. Amir Khusro

X 2. Purandar Das

X 3. Swami Haridas

4. Tansen

Question ID: 630680512249 Option 1 ID: 6306802001967 Option 2 ID: 6306802001968 Option 3 ID: 6306802001969 Option 4 ID: 6306802001966

Status: Answered Chosen Option: 4

#### Q.11 In which year was the PM Ayushman Bharat Health Infrastructure Mission launched?

Ans X 1. 2022

X 2. 2020

X 3. 2023

4. 2021

Question ID: 630680394654 Option 1 ID: 6306801538904 Option 2 ID: 6306801538902 Option 3 ID: 6306801538905 Option 4 ID: 6306801538903

Status: Answered

Chosen Option: 3

#### Q.12 When was the Duty-Free Tariff Preference (DFTP) Scheme for Least Developed Countries (LDCs) announced by India?

Ans X 1. 2006

X 2. 2009

X 3. 2010

**4**. 2008

Question ID: 6306801048056 Option 1 ID: 6306804114270

Option 2 ID: 6306804114271 Option 3 ID: 6306804114272

Option 4 ID: 6306804114273 Status: Not Answered

#### Q.13 Which of the following options is mostly caused by overpopulation?

Ans X 1. Reduction in the scarcity of water

2. Land and other renewable resources are under pressure

X 3. Increase in the area covered by forests

X 4. Adequate natural resource storage

Question ID: 630680314144 Option 1 ID: 6306801222381 Option 2 ID: 6306801222384 Option 3 ID: 6306801222382 Option 4 ID: 6306801222383 Status: Answered

Chosen Option: 2

#### Q.14 On which of the following dates does India celebrate its Constitution Day?

Ans X 1. 15<sup>th</sup> August

X 2. 2<sup>th</sup> October

3. 26<sup>th</sup> November

X 4. 26<sup>th</sup> January

Question ID: 630680329439 Option 1 ID: 6306801281497 Option 2 ID: 6306801281500 Option 3 ID: 6306801281499 Option 4 ID: 6306801281498 Status: Answered

Chosen Option: 3

#### Q.15 Match the following books with their respective authors.

Book

a) Tajul Ma'asir

b) Khazain-ul Futuh

c) Tarikh-i-Firuzshahi

d) Tarikh-i-Mubarakshahi

ii) Hasan Nizami iii) Ziauddin Barani

Yahya bin Ahmad Sirhimdi

iv) Amir Khusrav

Author

Ans X 1. a-i; b-iii; c-ii; d-iv

X 2. a-iii; b-i; c-iv; d-ii

√ 3. a-ii; b-iv; c-iii; d-i

X 4. a-iv; b-iii; c-i; d-ii

Question ID : 630680412338

Option 1 ID: 6306801608175

Option 2 ID: 6306801608178

Option 3 ID: 6306801608176 Option 4 ID: 6306801608177

Status: Answered

#### Q.16 Which of the following pairs do NOT share any borders?

Ans X 1. Bhutan and West Bengal

2. Bhutan and Meghalaya

X 3. Bhutan and Arunachal Pradesh

X 4. Bhutan and Assam

Question ID : 630680409600 Option 1 ID : 6306801597229 Option 2 ID : 6306801597231 Option 3 ID : 6306801597232 Option 4 ID : 6306801597230 Status : Answered

Chosen Option: 3

#### Q.17 Palladium on barium sulphate (Pd/BaSO<sub>4</sub>) is also known as:

Ans X 1. an aldol reaction catalyst

X 2. a Cannizzaro reaction catalyst

3. the Rosenmund catalyst

X 4. a Hillman reaction catalyst

Question ID: 630680199619
Option 1 ID: 630680774086
Option 2 ID: 630680774084
Option 3 ID: 630680774083
Option 4 ID: 630680774085
Status: Not Answered

Chosen Option: --

## Q.18 Which of the following types of direct tax collection increased as of 10 February 2023 budget?

Ans X 1. Octroi duties

2. Personal income tax

X 3. Commercial tax

X 4. Corporate tax

Question ID: 630680314402 Option 1 ID: 6306801223411 Option 2 ID: 6306801223410 Option 3 ID: 6306801223412 Option 4 ID: 6306801223409

Status: Answered

Chosen Option: 4

#### Q.19 Which Ghazal singer was conferred with the prestigious Deenanath Mangeshkar Award in April 2023?

Ans X 1. Ghazal Srinivas

2. Pankaj Udhas

X 3. Bhupinder Singh

💢 4. Talat Aziz

Question ID: 630680511804 Option 1 ID: 6306802000189 Option 2 ID: 6306802000186 Option 3 ID: 6306802000188 Option 4 ID: 6306802000187 Status: Answered

## Q.20 What kind of radiation is absorbed by the ozone layer? Ans X 1. Infrared radiation X 2. Visible radiation X 3. Green radiation 4. Ultraviolet radiation Question ID: 630680303274 Option 1 ID: 6306801179750 Option 2 ID: 6306801179753 Option 3 ID: 6306801179752 Option 4 ID: 6306801179751 Status: Answered Chosen Option: 4 Q.21 The organisation that Comptroller and Auditor General heads is known as Ans X 1. Indian Civil Accounts Organisation 2. Indian Audit and Accounts Department X 3. Controller General of Accounts X 4. Institute of Chartered Accountants of India Question ID: 630680161104 Option 1 ID: 630680623781 Option 2 ID: 630680623782 Option 3 ID: 630680623783 Option 4 ID: 630680623780 Status: Answered Chosen Option: 2 Q.22 Which of the following categories does Gonyaulax belong to? Ans X 1. Chrysophytes 2. Dinoflagellates X 3. Euglenoids X 4. Protozoans Question ID: 63068099109 Option 1 ID: 630680385140 Option 2 ID: 630680385143 Option 3 ID: 630680385141 Option 4 ID: 630680385142 Status: Not Answered Chosen Option: --Q.23 Valabhi, a city of ancient India was the capital of the \_\_\_\_\_ dynasty from the 5th to 8th Century CE. Ans X 1. Chalukya 2. Maitraka X 3. Vakataka X 4. Pallava Question ID: 630680412475 Option 1 ID: 6306801608726 Option 2 ID: 6306801608725 Option 3 ID: 6306801608724 Option 4 ID: 6306801608723

Status: Answered

## Q.24 Who has written the book 'Fearless Governance', published in January 2021, describing her stint as Governor? X 1. Draupadi Murmu Ans 🥒 2. Kiran Bedi X 3. Anandi ben Patel X 4. Baby Rani Maurya Question ID: 630680394951 Option 1 ID: 6306801540073 Option 2 ID: 6306801540072 Option 3 ID: 6306801540075 Option 4 ID: 6306801540074 Status : Answered Chosen Option: 2 Q.25 Shab-e-Barat is celebrated by which religious group? Ans X 1. Buddhist 2. Muslim X 3. Jain X 4. Parsi Question ID: 630680158769 Option 1 ID: 630680614568 Option 2 ID: 630680614571 Option 3 ID: 630680614570 Option 4 ID: 630680614569 Status: Answered Chosen Option: 2 Section: Quantitative Aptitude Q.1 In a rhombus ABCD, O is any interior point such that OA = OC. What is five-ninths of the degree measure of ∠DOB? Ans X 1. 150° √ 2. 100° X 3.90° X 4. 120° Question ID: 630680387087 Option 1 ID: 6306801509060 Option 2 ID: 6306801509058 Option 3 ID: 6306801509059 Option 4 ID: 6306801509061 Status: Answered Chosen Option : 2

Q.2 A group of 30 students appeared in a test. The average score of 12 students is 62, and that of the rest is 62. What is the average score of the group? Ans X 1.60 X 2.63 **3**. 62 X 4. 61 Question ID: 630680566256 Option 1 ID: 6306802214015 Option 2 ID: 6306802214014 Option 3 ID: 6306802214012 Option 4 ID: 6306802214013 Status: Answered Chosen Option: 3 Q.3 A dishonest merchant sells his grocery using weights that are 12% less than the true weights and makes a profit of 10%. Find his total gain percentage. Ans X 1. 15% × 2. 20% × 3. 10% 4. 25%

Question ID: 630680429072 Option 1 ID: 6306801674333 Option 2 ID: 6306801674334 Option 3 ID: 6306801674332 Option 4 ID: 6306801674335 Status: Answered

Chosen Option: 4

Q.4 If the perimeter of an equilateral triangle is 36 units, then its area is (in square units):

Ans

 $\times$  1. 144 $\sqrt{2}$ 

**✓** 2. 36√3

**×** 3. 36√2

× 4. 144√3

Question ID: 630680421359
Option 1 ID: 6306801643900
Option 2 ID: 6306801643901
Option 3 ID: 6306801643902
Option 4 ID: 6306801643899
Status: Answered

Q.5

Find the value of  $\frac{\sec 35^{\circ}}{cosec} = \frac{\cos 25^{\circ}}{\sin 65^{\circ}}$ .

Ans

X 1. 2

- √ 2. 0
- X 3. 1
- $\times$  4.  $\frac{1}{2}$

Question ID: 630680526445

Option 1 ID: 6306802057849

Option 2 ID: 6306802057848

Option 3 ID: 6306802057847

Option 4 ID: 6306802057846

Status: Answered

Chosen Option: 2

If  $x + \frac{1}{x} = 2\sqrt{10}$ , where x > 1, then the value of  $\left(x^3 - \frac{1}{x^3}\right)$  is:

- Ans X 1. 198
  - **2**. 234
  - X 3. 216
  - X 4. 221

Question ID: 630680413505

Option 1 ID: 6306801612846

Option 2 ID: 6306801612844

Option 3 ID: 6306801612847

Option 4 ID: 6306801612845 Status: Answered

Chosen Option: 2

Q.7 If  $a\sin^3 X + b\cos^3 X = \sin X \cos X$  and  $a\sin X = b\cos X$ , then find the value of  $a^2 + b^2$ , provided that x is neither 0° nor 90°.

- Ans  $\times$  1.  $a^2 b^2$ 
  - **2**. 1
  - **X** 3.0
  - $\times$  4.  $a^2 + b^2$

Question ID: 630680354950

Option 1 ID: 6306801381876

Option 2 ID: 6306801381874

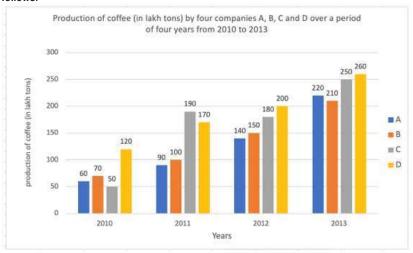
Option 3 ID: 6306801381873

Option 4 ID: 6306801381875

Status: Answered

Q.8 Find the smallest number to be added to 999, so that 99 divides the sum exactly. Ans **1**. 90 **X** 2. 0 X 3.9 X 4.99 Question ID: 630680108185 Option 1 ID: 630680419806 Option 2 ID: 630680419807 Option 3 ID: 630680419804 Option 4 ID: 630680419805 Status: Answered Chosen Option : 1 Q.9 The interest accrued on a sum of ₹16,000 lent at a simple interest rate of 14% p.a. for the time in those many years, which gives a simple interest of three-fifths of a certain sum at 10% p.a., is: **√** 1. ₹13,440 Ans X 2. ₹15,360 **X** 3. ₹14,280 **X** 4. ₹12,970 Question ID: 630680392970 Option 1 ID: 6306801532215 Option 2 ID: 6306801532214 Option 3 ID: 6306801532217 Option 4 ID: 6306801532216 Status : Answered Chosen Option: 1

Q.10 The bar graph below shows the production of coffee (in lakh tons) by four companies A, B, C and D over a period of four years from 2010 to 2013. Study the graph and answer the question that follows.



The combined average production for four years of companies A and C is what percentage (rounded off to 2 decimal places) more/less than the combined average production for four years of companies B and D?

Ans

X 1. More, 10.51%

X 2. Less, 10.51%

X 3. More, 7.81%

Question ID : 630680387062

Option 1 ID: 6306801508958

Option 2 ID: 6306801508961

Option 3 ID : **6306801508960** Option 4 ID : **6306801508959** 

Status : Not Attempted and

S : Marked For Review

Chosen Option : --

Q.11 In a circle, two chords MN and PQ intersect at O. If MO = 9 cm, ON = 5 cm and OQ = 6 cm, then the value of OP (in cm) is:

Ans X 1.6.5

**X** 2.6

**X** 3. 7

**4**. 7.5

Question ID: 630680397551

Option 1 ID : 6306801550123

Option 2 ID: 6306801550122

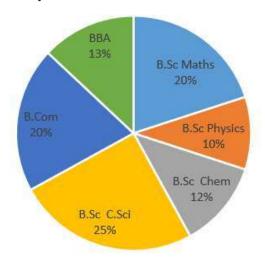
Option 3 ID: 6306801550124

Option 4 ID: 6306801550125

Status: Answered

Q.12 A rectangular courtyard is 4m 95cm long and 16m 65cm broad. It is to be paved with the square tiles of the same size. Find the least number of such square tiles required to pave the rectangular courtyard. **1.** 407 Ans X 2.388 **X** 3.877 **X** 4. 944 Question ID: 630680421536 Option 1 ID: 6306801644608 Option 2 ID: 6306801644607 Option 3 ID: 6306801644609 Option 4 ID: 6306801644610 Status: Answered Chosen Option: 4 Q.13 In an election between two candidates P and Q, P got 78% of the total valid votes. If the total votes of the electorate were 75,60,000, then what was the number of valid votes that Q got if 10% of the voters did not cast their vote and 15% of the votes polled were declared invalid? Ans **1**. 12,72,348 **X** 2. 1,47,312 **X** 3. 1,41,732 X 4. 1,41,372 Question ID: 630680427952 Option 1 ID: 6306801669854 Option 2 ID: 6306801669852 Option 3 ID: 6306801669855 Option 4 ID: 6306801669853 Status: Answered Chosen Option: 1

Q.14 The following pie chart shows the distribution of the percentage of students in various courses at the university. The total number of students (boys and girls only) in the



In B.Com, there are 60% girls and in B.Sc. C.Sci, there are 40% boys. The total number of girls who took admission in B.Sc C.Sci and B.Com courses is what percentage of the total students admitted to the university?

X 1. 25%

**2**. 27%

X 3. 29%

X 4. 23%

Question ID: 630680422123

Option 1 ID: 6306801646928

Option 2 ID: 6306801646929

Option 3 ID: 6306801646930 Option 4 ID: 6306801646927

Status: Answered

Chosen Option: 2

<sup>Q</sup>In a  $\triangle$  ABC right – angled at C, if tan A =  $\sqrt{3}$ , then the value of sinA cosB cot(A + B) is:

A X 1. 1 n

Question ID: 630680396995

Option 1 ID: 6306801548037

Option 2 ID: 6306801548039

Option 3 ID: 6306801548036 Option 4 ID: 6306801548038

Status: Answered

Q.16 Solve the given set of three equations to get the value of the unknowns:

$$x + 2z = 3$$
$$x + 2y + 3z = 5$$

3x - 5z = -13

**Ans**  $\times$  1. x = 0,y = -1,z = 2

$$\times$$
 2. x = 2,y = 0,z = -1

$$\sqrt{3}$$
 3.  $x = -1, y = 0, z = 2$ 

$$\times$$
 4. x = -1,y = 2,z = 0

Question ID: 630680285560 Option 1 ID: 6306801110209 Option 2 ID: 6306801110207 Option 3 ID: 6306801110208 Option 4 ID: 6306801110210

Status : Answered

Chosen Option: 3

Q.17 There are two pipes to fill a tank. Together, they can fill the tank in 15 minutes. If one pipe can fill the tank in one and a half times as fast as the other, the faster pipe alone can fill the tank in:

Ans

X 1. 10 minutes

X 2. 20 minutes

√ 3. 25 minutes

 $\times$  4.  $32\frac{1}{2}$  minutes

Question ID: 6306801047985

Option 1 ID : **6306804113982** Option 2 ID : **6306804113983** 

Option 3 ID : **6306804113984** Option 4 ID : **6306804113985** 

Status: Not Answered

Chosen Option: --

Q.18 A shopkeeper, on the eve of Diwali, allowed a series of discounts on television sets. Find the selling price of a television set, if the marked price of television is ₹1,200 and successive discounts are 15% and 10%.

Ans X 1. ₹945

X 2. ₹975

**3**. ₹918

X 4. ₹965

Question ID: 630680178722

Option 1 ID: 630680692981

Option 2 ID : 630680692983

Option 3 ID : **630680692980** 

Option 4 ID: 630680692982

Status : Answered

Q.19 Study the given table and answer the question that follows.

The given table shows the number of candidates who appeared (both male and female) in a Public Examination and the percentage of those who qualified in the examination from two states X and Z. Few values are missing in the table (indicated by -----). You will be required to fill them up according to the question.

Year	State X		State Z	
	Number of appeared candidates	Percentage of qualified candidates	Number of appeared candidates	Percentage of qualified candidates
2008	480	70%	V	70%
2009	560	75%	500	80%
2010		60%	650	50%
2011	450	89%	720	72%
2012	790		660	

Out of the number of qualified candidates from State X in 2010, the ratio of male to female candidates is 5:7. If the number of female qualified candidates from State X in 2010 is 168, what is the number of appeared candidates (both male and female) from State X in 2010?

Ans

**1.480** 

X 2.640

X 3.540

X 4. 360

Question ID: 630680523743 Option 1 ID: 6306802047125 Option 2 ID: 6306802047124 Option 3 ID: 6306802047123 Option 4 ID: 6306802047126

Status: Not Answered

Chosen Option: --

Q.20 Mrudula starts her job with a certain monthly salary and earns a fixed increment every year. If her salary was ₹28,400 after six years of service and ₹52,997 after fifteen years, find her annual increment.

Ans X 1. ₹1,824

X 2. ₹12,002

X 3. ₹1,200

**√** 4. ₹2,733

Question ID: 630680382687 Option 1 ID: 6306801491666 Option 2 ID: 6306801491663 Option 3 ID: 6306801491664

Option 4 ID: 6306801491665 Status: Answered

Q.21 The below table gives the marks out of 100 obtained by five students in four different subjects in an examination. Study the table and answer the question that follows.

Student/subject	Mathematics	Physics	Biology	English
Suresh	70	80	65	60
Ramesh	85	70	70	55
Ankith	90	80	60	65
Ranjith	95	70	65	60
Aryan	75	65	65	70

What are the average marks obtained by all five students in Mathematics?

Ans X 1.85

**2**. 83

**X** 3.84

X 4.80

Question ID: 630680428116 Option 1 ID: 6306801670509 Option 2 ID: 6306801670508 Option 3 ID: 6306801670511 Option 4 ID: 6306801670510

Status : Answered

Chosen Option: 2

Q.22 The inner and outer radii of a circular track are 28 m and 25 m, respectively. The cost (in ₹) of levelling the track at ₹28 per m² is:

[Use  $\pi = \frac{22}{7}$ ]

Ans X 1. 17,355

**2**. 13,992

X 3. 15,421

**X** 4. 11,229

Question ID: 630680358045 Option 1 ID: 6306801394169 Option 2 ID: 6306801394171

Option 3 ID : **6306801394170** Option 4 ID : **6306801394172** 

Status : Answered

Chosen Option: 2

Q.23 In a division problem, the divisor is 4 times the quotient and 2 times the remainder. If the remainder is 32, then find the dividend.

Ans X 1. 1065

X 2. 3240

X 3. 1650

**4**. 1056

Question ID: 630680108754

Option 1 ID : **630680421929** Option 2 ID : **630680421930** 

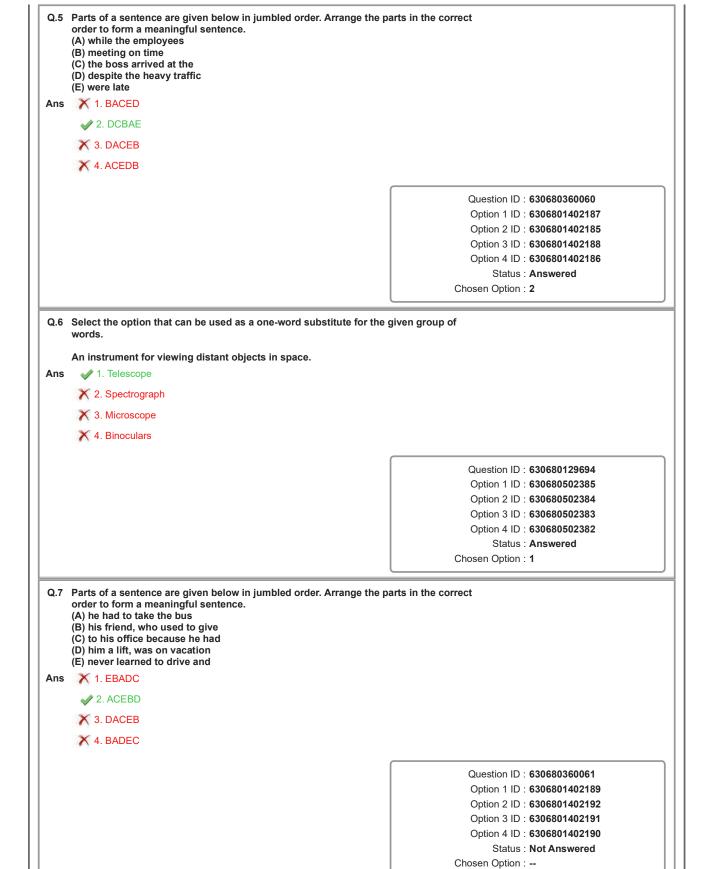
Option 3 ID : **630680421931** Option 4 ID : **630680421928** 

Status : Answered

Q.24 Atul gives Vishu a head-start of 20 seconds in a 900 m race and beats him by 135 m. While running the same race again Atul gives a start of 189 m and beats him by 8 seconds. In how much time can Vishu complete the full race of 900 m? Ans X 1. 2 minutes 50 seconds 2. 3 minutes 20 seconds X 3. 3 minutes 10 seconds X 4. 3 minutes 30 seconds Question ID: 630680428186 Option 1 ID: 6306801670788 Option 2 ID: 6306801670790 Option 3 ID: 6306801670789 Option 4 ID: 6306801670791 Status: Not Answered Chosen Option: --Q.25 A sum of money is divided among P, Q, R and S in the proportion of 4:9:2:3. If Q gets ₹560 more than R, then the share of S is: X 1. ₹140 X 2. ₹340 **X** 3. ₹440 4. ₹240 Question ID: 630680455637 Option 1 ID: 6306801779462 Option 2 ID: 6306801779464 Option 3 ID: 6306801779465 Option 4 ID: 6306801779463 Status: Answered Chosen Option: 4 Section: English Comprehension Q.1 Select the option that correctly expresses the given sentence in passive voice. The teachers of our school have already taken this training. Ans √ 1. This training has already been taken by the teachers of our school. 2. This training has already been taken by the our school teachers. 3. This training was already taken by the teachers of our school. 4. This training has been taken by the teachers of our school. Question ID: 630680317877 Option 1 ID: 6306801236600 Option 2 ID: 6306801236599 Option 3 ID: 6306801236598 Option 4 ID: 6306801236597 Status: Answered Chosen Option: 1

words. Awkward in movement or manner Ans X 1. Clownish X 2. Alert X 3. Imbalanced 4. Clumsy Question ID: 630680158478 Option 1 ID: 630680613438 Option 2 ID: 630680613436 Option 3 ID: 630680613439 Option 4 ID: 630680613437 Status: Answered Chosen Option: 4 Q.3 Select the most appropriate ANTONYM of the underlined word. He was very <u>cruel</u> in dealing with the students. Ans X 1. Skittish X 2. Malevolent 3. Kind X 4. Kingly Question ID: 630680517533 Option 1 ID: 6306802022530 Option 2 ID: 6306802022528 Option 3 ID: 6306802022529 Option 4 ID: 6306802022531 Status: Answered Chosen Option: 3 Q.4 The following sentence contains a word with a spelling error. Rectify the sentence by selecting the correct spelling of the identified word from the given options. I was upstaires when somebody rang the doorbell. Ans X 1. Upstares 2. Upstairs X 3. upsatires X 4. Upstaire Question ID: 630680360840 Option 1 ID: 6306801405236 Option 2 ID: 6306801405233 Option 3 ID: 6306801405235 Option 4 ID: 6306801405234 Status: Answered Chosen Option: 2

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



Q.8 Select the most appropriate synonym of the underlined word. She was overstrung before her dance performance. Ans X 1. Placid X 2. Calm X 3. Cheerful 4. Nervous Question ID: 630680204387 Option 1 ID: 630680792631 Option 2 ID: 630680792633 Option 3 ID: 630680792634 Option 4 ID: 630680792632 Status: Answered Chosen Option: 4 Q.9 Select the most appropriate ANTONYM of the following word. Forbid Ans X 1. Call 2. Allow X 3. Prohibit X 4. Forsake Question ID: 630680396792 Option 1 ID: 6306801547255 Option 2 ID: 6306801547253 Option 3 ID: 6306801547252 Option 4 ID: 6306801547254 Status: Answered Chosen Option: 2 Q.10 Substitute the underlined word-segment with most appropriate idiom. The doctors tried very hard to save his mother but they were unsuccessful. Ans X 1. faced the music X 2. drew the line 3. moved heaven and earth X 4. ran like clockwork Question ID: 630680123853 Option 1 ID: 630680480282 Option 2 ID: 630680480284 Option 3 ID: 630680480283 Option 4 ID: 630680480285 Status: Answered Chosen Option: 3

Q.11 Select the option that expresses the following sentence in passive voice. Ravi will play the match. Ans X 1. The match is played by Ravi. X 2. The match will have been played by Ravi. X 3. The match will be playing by Ravi. 4. The match will be played by Ravi. Question ID: 630680415246 Option 1 ID: 6306801619732 Option 2 ID: 6306801619734 Option 3 ID: 6306801619733 Option 4 ID: 6306801619731 Status: Answered Chosen Option: 4 Q.12 Parts of the following sentence have been given as options. Select the option that contains an error. It is he who work for the company for more than a decade. Ans X 1. for the company X 2. for more than a decade X 3. It is he 4. who work Question ID: 630680514366 Option 1 ID: 6306802010091 Option 2 ID: 6306802010092 Option 3 ID: 6306802010089 Option 4 ID: 6306802010090 Status: Answered Chosen Option: 3 Q.13 Identify the correct synonym of the word given below. **FATIGUE** X 1. Mission

X 2. Obese

X 3. Vigour

4. Tiredness

Question ID: 630680294226 Option 1 ID: 6306801144653 Option 2 ID: 6306801144652 Option 3 ID: 6306801144655 Option 4 ID: 6306801144654 Status: Answered

Q.14 The following sentence has been split into four segments. Identify the segment that contains a grammatical error. The windows / violent banged / during the / storm yesterday. Ans X 1. The windows X 2. storm yesterday. X 3. during the 4. violent banged Question ID: 630680381369 Option 1 ID: 6306801486427 Option 2 ID: 6306801486430 Option 3 ID: 6306801486429 Option 4 ID: 6306801486428 Status: Answered Chosen Option: 4 Q.15 Select the most appropriate synonym of the given word. Adversity Ans X 1. Pleasure 2. Misfortune X 3. Success X 4. Advantage Question ID: 630680158914 Option 1 ID: 630680615127 Option 2 ID: 630680615126 Option 3 ID: 630680615125 Option 4 ID: 630680615124 Status: Answered Chosen Option: 2 Q.16 Select the most appropriate option that can substitute the underlined word in the given sentence. Our legal system must frame proper legal rules for <u>juvenile</u> criminals. 1. young Ans X 2. dotage X 3. senile X 4. old Question ID: 630680145481 Option 1 ID: 630680562901 Option 2 ID: 630680562898 Option 3 ID: 630680562899 Option 4 ID: 630680562900 Status: Answered Chosen Option: 1

Q.17 Select the option that can be used as a one-word substitute for the underlined group of words in the following sentence.

Despite recent superficial moves toward political reconciliation, Libya remains in the grip of a bloodstained corrupt military <u>exclusive circle of people with a common purpose</u>.

Ans X 1. oblique

X 2. pique

X 3. antique

4. clique

Question ID : 630680310039 Option 1 ID : 6306801206304 Option 2 ID : 6306801206301 Option 3 ID : 6306801206303 Option 4 ID : 6306801206302

Status: Answered

Chosen Option: 4

Q.18 Identify the INCORRECTLY spelt word in the following sentence and select its correct spelling from the given options.

His acquiantance with the author led to many fruitful collaborations.

Ans X 1. acuiantance

2. acquaintance

X 3. aquaintance

X 4. acquaintence

Question ID: 630680409941 Option 1 ID: 6306801598593 Option 2 ID: 6306801598596 Option 3 ID: 6306801598594 Option 4 ID: 6306801598595

Status: Answered

Chosen Option : 2

Q.19 Select the most appropriate option to substitute the underlined segment in the given sentence.

Charles Darwin is renowned for his book on evolution, 'On the Origin of Species', which <u>laid down a treasure of substantiation</u> that evolution occurs, and projected a mechanism, that is, natural selection, for how it does so.

Ans X 1. laid away a treasure of substantiation

2. laid about a treasure of substantiation

3. laid out a treasure of substantiation

X 4. laid into a treasure of substantiation

Question ID : 630680176811

Option 1 ID: 630680685456 Option 2 ID: 630680685459 Option 3 ID: 630680685457 Option 4 ID: 630680685458

Status : Answered

Q.20 Select the most appropriate meaning of the given idiom. Hit the nail on the head Ans X 1. They hit a nail with a hammer. 2. They are experiencing a headache. 3. They're uncertain about a decision. 4. They have accurately identified or explained something. Question ID: 630680374408 Option 1 ID: 6306801458815 Option 2 ID: 6306801458818 Option 3 ID: 6306801458816 Option 4 ID: 6306801458817 Status: Answered Chosen Option: 4 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. Azadi Ka Amrit Mahotsav is an (1) \_\_\_\_\_\_ by the Government of India to celebrate a remember 75 years of independence and the beautiful history of its people, culture and by the Government of India to celebrate and achievements. This Mahotsav is (2) \_\_\_ to the people of India, who have not only been instrumental in bringing India this far in its evolutionary journey but also (3) \_ the power and potential to realise Prime Minister, Narendra Modi's (4) \_ activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. The formal journey of Azadi Ka Amrit Mahotsav began on 12 March 2021, beginning a (5)\_ \_ to our 75th anniversary of independence and will finish a year later on 15 August 2023. SubQuestion No: 21 Q.21 Select the most appropriate answer for blank number 1.% Ans X 1. associate X 2. obligation 3. initiative X 4. occult Question ID: 630680147713 Option 1 ID: 630680571585

Question ID: 630680147713
Option 1 ID: 630680571585
Option 2 ID: 630680571583
Option 3 ID: 630680571584
Option 4 ID: 630680571582
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. Azadi Ka Amrit Mahotsav is an (1) \_\_\_ by the Government of India to celebrate and remember 75 years of independence and the beautiful history of its people, culture and to the people of India, who have not only achievements. This Mahotsav is (2) been instrumental in bringing India this far in its evolutionary journey but also (3) \_ the power and potential to realise Prime Minister, Narendra Modi's (4) activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. The formal journey of Azadi Ka Amrit Mahotsav began on 12 March 2021, beginning a (5)\_ to our 75th anniversary of independence and will finish a year later on 15 August 2023. SubQuestion No : 22 Q.22 Select the most appropriate answer for blank number 2.% Ans X 1. refused 2. dedicated X 3. withhold X 4. alienated Question ID: 630680147714 Option 1 ID: 630680571587 Option 2 ID: 630680571586 Option 3 ID: 630680571589 Option 4 ID: 630680571588 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. by the Government of India to celebrate and Azadi Ka Amrit Mahotsav is an (1) \_\_\_ remember 75 years of independence and the beautiful history of its people, culture and achievements. This Mahotsav is (2) to the people of India, who have not only been instrumental in bringing India this far in its evolutionary journey but also (3) \_ the power and potential to realise Prime Minister, Narendra Modi's (4) \_ activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. The formal journey of Azadi to our 75th anniversary Ka Amrit Mahotsav began on 12 March 2021, beginning a (5) of independence and will finish a year later on 15 August 2023.

#### SubQuestion No: 23

#### Q.23 Select the most appropriate answer for blank number 3.%

X 1. concludes

2. possess

X 3. clarifies

X 4. obtains

Question ID: 630680147715 Option 1 ID: 630680571590 Option 2 ID: 630680571592 Option 3 ID: 630680571591 Option 4 ID: 630680571593

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.  Azadi Ka Amrit Mahotsav is an (1) by the Government of India to celebrate and remember 75 years of independence and the beautiful history of its people, culture and achievements. This Mahotsav is (2) to the people of India, who have not only been instrumental in bringing India this far in its evolutionary journey but also (3) the power and potential to realise Prime Minister, Narendra Modi's (4) of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. The formal journey of Azadi Ka Amrit Mahotsav began on 12 March 2021, beginning a (5) to our 75th anniversary of independence and will finish a year later on 15 August 2023.					
	SubQuestion No : 24					
Q.24	Select the most appropriate answer for blank number 4.%					
Ans	ns 🚀 1. vision					
	X 2. design					
	X 3. control					
	X 4. graphics					
		Question ID : 630680147716				
		Option 1 ID : 630680571595				
		Option 2 ID: 630680571596				
		Option 3 ID : 630680571597				
		Option 4 ID : <b>630680571594</b>				
		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. Azadi Ka Amrit Mahotsav is an (1) \_\_\_\_\_ by the Government of India to celebrate remember 75 years of independence and the beautiful history of its people, culture and by the Government of India to celebrate and achievements. This Mahotsav is (2) \_\_\_\_\_ to the people of India, who have not only been instrumental in bringing India this far in its evolutionary journey but also (3) \_\_\_\_ the power and potential to realise Prime Minister, Narendra Modi's (4) activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. The formal journey of Azadi Ka Amrit Mahotsav began on 12 March 2021, beginning a (5)\_ to our 75th anniversary of independence and will finish a year later on 15 August 2023.

#### SubQuestion No: 25

#### Q.25 Select the most appropriate answer for blank number 5.%

Ans X 1. allocation

X 2. breakdown

3. countdown

X 4. custom

Question ID: 630680147717 Option 1 ID: 630680571598 Option 2 ID: 630680571600 Option 3 ID: 630680571601 Option 4 ID: 630680571599

Status: Answered Chosen Option: 2