

Combined Graduate Level Examination 2020 Tier-I

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Venue Name	iON Digital Zone iDZ 1 Mathura Road
Exam Date	24/08/2021
Exam Time	3:00 PM - 4:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

Candidate Name **Join YouTube Channel**Section : **General Intelligence and Reasoning**

Q.1 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

CLAP, HLVP, HQVK, MQQK, ?

Ans  1. HQVK 2. MVQF 3. MLQP 4. RQLKQuestion ID : **81616112808**Status : **Answered**Chosen Option : **2**

Q.2 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

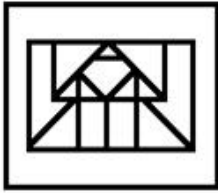
Ans  1. RVEK 2. GKPV 3. CGTZ 4. NRIPQuestion ID : **81616112810**Status : **Answered**Chosen Option : **4**

Q.3 Select the option figure in which the given figure is embedded (rotation is NOT allowed).



Ans

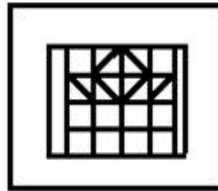
✗ 1.



✗ 2.



✓ 3.



✗ 4.



Question ID : 81616112829

Status : Answered

Chosen Option : 3

Q.4 नीचे चार शब्द दिए गए हैं जिनमें से तीन किसी संदर्भ में एक समान हैं और उनमें से एक असंगत है। उस असंगत शब्द का चयन करें।

Ans ✗ 1. दुर्व्यवहार

✗ 2. अवमानना

✓ 3. सम्मान

✗ 4. अनादर

Question ID : 81616113215

Status : Answered

Chosen Option : 3

Q.5 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 follows from the statements.

Statements:

All lemons are plums.

All plums are dates.

Some dates are mangoes.

Conclusions:

I. Some lemons are mangoes.

II. Some mangoes are plums.

III. All lemons are dates.

IV. Some mangoes are dates.

- Ans** ☒ 1. Only conclusions II and III follow
☒ 2. Only conclusions I and IV follow
☒ 3. Both conclusions III and IV follow
☒ 4. Only conclusions I and II follow

Question ID : 81616113626

Status : Answered

Chosen Option : 3

Q.6 Select the option that is related to the fourth number in the same way as the first number is related to the second number.

21 : 693 :: ? : 792

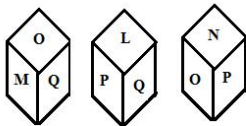
- Ans** ☒ 1. 26
☒ 2. 24
☒ 3. 36
☒ 4. 22

Question ID : 81616113628

Status : Answered

Chosen Option : 2

Q.7 Three different positions of the same dice are shown, the faces of which are marked with the letters L, M, N, O, P and Q. Select the letter that will be on the face opposite to the face having the letter 'M'.



- Ans** ☒ 1. Q
☒ 2. N
☒ 3. L
☒ 4. P

Question ID : 81616113232

Status : Answered

Chosen Option : 4

Q.8 Select the number from among the given options that can replace the question mark (?) in the following series.

68, 3, 63, 3, 57, 9, 50, 15, 42, 33, 33, ?

- Ans
- ☒ 1. 36
 - ☒ 2. 66
 - ☒ 3. 33
 - ☒ 4. 63

Question ID : 81616112819
Status : Answered
Chosen Option : 4

Q.9 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different.

- Ans
- ☒ 1. 5 : 24
 - ☒ 2. 7 : 30
 - ☒ 3. 6 : 26
 - ☒ 4. 8 : 34

Question ID : 81616113225
Status : Answered
Chosen Option : 1

Q.10 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

PROTECTION



- Ans
- ☒ 1. ЁKOLECITION
 - ☒ 2. NOITCETORYP
 - ☒ 3. ЁKOLECITON
 - ☒ 4. NOITCETORYP

Question ID : 81616112830
Status : Answered
Chosen Option : 2

Q.11 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the equation.

512 * 32 * 9 * 100 * 6 * 25 * 2

- Ans
- ☒ 1. ÷, ×, +, =, -, ×
 - ☒ 2. +, ×, ÷, =, -, ×
 - ☒ 3. ÷, ×, +, -, =, ×
 - ☒ 4. ÷, ×, -, +, =, ×

Question ID : 81616113228
Status : Answered
Chosen Option : 4

Q.12 Find the number of triangles in the given figure.



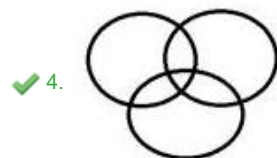
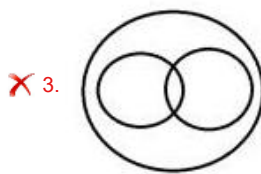
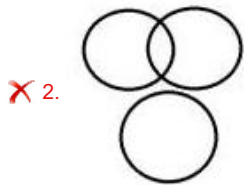
- Ans
- ☒ 1. 15
 - ☒ 2. 19
 - ☒ 3. 13
 - ☒ 4. 17

Question ID : 81616113231
Status : Answered
Chosen Option : 2

Q.13 Select the Venn diagram that best illustrates the relationship between the following classes.

Men, Lyricists, Extroverts

Ans



Question ID : 81616113640
Status : Answered
Chosen Option : 4

Q.14 Pointing to a girl in a college poster, Deepika said, "She is my mother-in-law's only son's niece". How is that girl's mother related to Deepika?

- Ans** ☐ 1. Daughter-in-law
☐ 2. Sister
☐ 3. Cousin
☒ 4. Sister-in-law

Question ID : **81616112817**
Status : **Answered**
Chosen Option : **4**

Q.15 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

45 9 3
122 10 12
116 6 ?

- Ans** ☐ 1. 16
☐ 2. 12
☒ 3. 14
☐ 4. 10

Question ID : **81616113630**
Status : **Not Answered**
Chosen Option : **--**

Q.16 In a certain code language, 'MONTHLY' is written as 'DGMOSJR'. How will 'HEADING' be written in that language?

- Ans** ☐ 1. LIYNZFM
☐ 2. MJNZEXN
☒ 3. LINYFZM
☐ 4. MNJEZNX

Question ID : **81616113622**
Status : **Answered**
Chosen Option : **3**

Q.17 In a certain code language, 'LABOUR' is coded as '279', and 'EXHALE' is coded as '321'. How will 'CAUTIOUS' be coded in that language?

- Ans** ☐ 1. 525
☐ 2. 553
☒ 3. 535
☐ 4. 552

Question ID : **81616113219**
Status : **Not Answered**
Chosen Option : **--**

Q.18 The income of three playback singers Aswath, Sunita and Ramdin are in the ratio of 12 : 9 : 7 and their expenditures are in the ratio 15 : 9 : 8. If Aswath saves 25% of his income, what is the ratio of the savings of Aswath, Sunita and Ramdin?

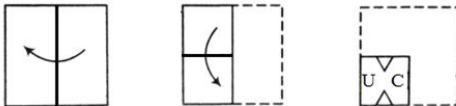
- Ans**
- ☒ 1. 25 : 16 : 13
 - ☒ 2. 23 : 18 : 11
 - ☒ 3. 15 : 18 : 11
 - ☒ 4. 5 : 8 : 7

Question ID : 81616112825

Status : **Answered**

Chosen Option : 3

Q.19 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 81616112831

Status : **Marked For Review**

Chosen Option : 1

Q.20 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

dq_pln_qt_lnd_tpl_dq_p_n

- Ans**
- ☒ 1. t, p, d, q, l, n, t
 - ☒ 2. t, t, q, p, n, l, d
 - ☒ 3. d, l, n, p, q, t, t
 - ☒ 4. t, d, p, q, n, t, l

Question ID : **81616112816**
Status : **Answered**
Chosen Option : **4**

Q.21 Select the option that is related to the third word in the same way as the second word is related to the first word.

Libya : Tripoli : : Ireland : ?

- Ans**
- ☒ 1. Dublin
 - ☒ 2. Madrid
 - ☒ 3. Oslo
 - ☒ 4. Moscow

Question ID : **81616112812**
Status : **Answered**
Chosen Option : **1**

Q.22 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

23 32 16
3 4 5
72 132 ?

- Ans**
- ☒ 1. 85
 - ☒ 2. 80
 - ☒ 3. 88
 - ☒ 4. 162

Question ID : **81616113227**
Status : **Answered**
Chosen Option : **1**

Q.23 Select the option in which the words share the same relationship as that shared by the given pair of words.

Golf : Course

- Ans**
- ☒ 1. Judo : Arena
 - ☒ 2. Baseball : Rink
 - ☒ 3. Cycling : Velodrome
 - ☒ 4. Ring : Boxing

Question ID : **81616112813**
Status : **Answered**
Chosen Option : **3**

Q.24 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans

✓ 1.



✗ 2.



✗ 3.



✗ 4.



Question ID : 81616112826

Status : Not Answered

Chosen Option : --

Q.25 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Publicity
2. Precision
3. Puberty
4. Pneumonia
5. Perturb

Ans ✗ 1. 5, 2, 4, 1, 3

✗ 2. 5, 3, 2, 4, 1

✗ 3. 5, 4, 2, 1, 3

✓ 4. 5, 4, 2, 3, 1

Question ID : 81616112809

Status : Answered

Chosen Option : 4

Section : General Awareness

Q.1 Who among the following was appointed as the Managing Director of Life Insurance Corporation in February 2021?

Ans ✗ 1. Rajeev Arora

✗ 2. Pankaj Jain

✗ 3. TC Susheel Kumar

✓ 4. Siddhartha Mohanty

Question ID : 81616113240

Status : Answered

Chosen Option : 4

Q.2 On which of the following dates has the Government of India decided to commemorate the birth anniversary of Subash Chandra Bose as 'Parakram Diwas'?

- Ans** ☒ 1. 5 May
☒ 2. 23 January
☒ 3. 7 June
☒ 4. 12 March

Question ID : **81616112857**
Status : **Answered**
Chosen Option : **2**

Q.3 Who among the following cricketers is the brand ambassador of Jindal South West (JSW) Steel as of January 2021?

- Ans** ☒ 1. Virat Kohli
☒ 2. MS Dhoni
☒ 3. Rishabh Pant
☒ 4. Rohit Sharma

Question ID : **81616112853**
Status : **Answered**
Chosen Option : **3**

Q.4 The Periodic Law as we know it today owes its development to:

- Ans** ☒ 1. Niels Bohr
☒ 2. Ernest Rutherford
☒ 3. Dmitri Mendeleev
☒ 4. JJ Thomson

Question ID : **81616113648**
Status : **Answered**
Chosen Option : **3**

Q.5 Who among the following was appointed as the first woman Chairperson of BCCC (Broadcasting Content Complaints Council) by IBF (Indian Broadcasting Foundation)?

- Ans** ☒ 1. Indra Nooyi
☒ 2. Gita Mittal
☒ 3. Chitra Ramakrishna
☒ 4. Kiran Mazumdar

Question ID : **81616112850**
Status : **Answered**
Chosen Option : **2**

Q.6 In which of the following years was the first rocket launched in India?

- Ans** ☒ 1. 1973
☒ 2. 1948
☒ 3. 1977
☒ 4. 1963

Question ID : **81616113243**
Status : **Answered**
Chosen Option : **1**

Q.7 Terrace farming is done on which of the following types of land?

- Ans** ☒ 1. Forests
☒ 2. Plains
☒ 3. Deserts
☒ 4. Hills

Question ID : **81616112844**
Status : **Answered**
Chosen Option : **4**

Q.8 Who authored 'Akbarnama'?

- Ans** ☒ 1. Abdul Latif
☒ 2. Abdus Samad
☒ 3. Faizi
☒ 4. Abul Fazl

Question ID : **81616113653**
Status : **Answered**
Chosen Option : **4**

Q.9 In which year was 'Target Olympic Podium Scheme' ('TOPS') formulated by the Ministry of Youth Affairs and Sports?

- Ans** ☒ 1. 2014
☒ 2. 2015
☒ 3. 2016
☒ 4. 2013

Question ID : **81616113662**
Status : **Not Answered**
Chosen Option : **--**

Q.10 Which phenomenon deals with the scattering of light by molecules of a medium when they are excited to vibrational energy levels?

- Ans** ☒ 1. Huygens Effect
☒ 2. Rayleigh Effect
☒ 3. Raman Effect
☒ 4. Maxwell Effect

Question ID : **81616113645**
Status : **Answered**
Chosen Option : **3**

Q.11 Who among the following was appointed as the Chairman of Telecom Equipment and Services Export Promotion Council (TEPC) in January 2021?

- Ans** ☒ 1. Sandeep Aggarwal
☐ 2. Sukhbir Singh Sandhu
☐ 3. S Muralidhar
☐ 4. Shyamal Ghosh

Question ID : **81616112855**
Status : **Not Answered**
Chosen Option : --

Q.12 Which of the following gases is naturally formed via the anaerobic decay of phosphorus containing organic matter?

- Ans** ☐ 1. Phosgene
☐ 2. Perchloryl fluoride
☒ 3. Phosphine
☐ 4. Phosphorus pentafluoride

Question ID : **81616112841**
Status : **Not Answered**
Chosen Option : --

Q.13 Which of the following is the only floating national park in India and the world?

- Ans** ☐ 1. Balpakram National Park
☒ 2. Keibul Lamjao National Park
☐ 3. Gugamal National Park
☐ 4. Nagarhole National Park

Question ID : **81616113246**
Status : **Answered**
Chosen Option : **2**

Q.14 Which of the following Articles of the Constitution of India states that there would be no tax levied or collected EXCEPT by the authority of law?

- Ans** ☐ 1. Article 107
☒ 2. Article 265
☐ 3. Article 123
☐ 4. Article 301

Question ID : **81616113255**
Status : **Answered**
Chosen Option : **2**

Q.15 In which of the following years did the Kakori Conspiracy case take place?

- Ans** ☒ 1. 1909
☒ 2. 1932
☒ 3. 1925
☒ 4. 1919

Question ID : **81616113250**
Status : **Not Answered**
Chosen Option : --

Q.16 Who among the following authored 'Poverty and Un-British Rule in India'?

- Ans** ☒ 1. Mahatma Gandhi
☒ 2. Dadabhai Naoroji
☒ 3. Rabindranath Tagore
☒ 4. Jawaharlal Nehru

Question ID : **81616112847**
Status : **Answered**
Chosen Option : 2

Q.17 Who among the following wrote the non-fiction 'The Paradoxical Prime Minister: Narendra Modi and His India'?

- Ans** ☒ 1. Salman Rushdie
☒ 2. Shashi Tharoor
☒ 3. Arundhati Roy
☒ 4. Chetan Bhagat

Question ID : **81616112849**
Status : **Answered**
Chosen Option : 1

Q.18 According to which of the following Articles of the Constitution of India can the Parliament amend the Constitution?

- Ans** ☒ 1. Article 368
☒ 2. Article 129
☒ 3. Article 234
☒ 4. Article 103

Question ID : **81616112852**
Status : **Answered**
Chosen Option : 1

Q.19 The 'Hemis Festival' is celebrated in Ladakh on the 10th day of the Tibetan Lunar month. To which of the following lords is the festival dedicated?

- Ans**
- ☐ 1. Lord Vishnu
 - ☐ 2. Lord Ganesha
 - ☒ 3. Lord Padmasambhava
 - ☐ 4. Lord Shiva

Question ID : **81616113238**
Status : **Answered**
Chosen Option : **4**

Q.20 The scientific study of dreams is called _____.

- Ans**
- ☐ 1. kalology
 - ☐ 2. entomology
 - ☒ 3. oneirology
 - ☐ 4. morphology

Question ID : **81616112838**
Status : **Answered**
Chosen Option : **3**

Q.21 In how many districts across all the states of India was the third phase of 'Pradhan Mantri Kaushal Vikas Yojana' launched in January 2021?

- Ans**
- ☐ 1. 189
 - ☐ 2. 409
 - ☐ 3. 567
 - ☒ 4. 600

Question ID : **81616112856**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Who wrote Samudragupta's prashasti (a eulogy written in the form of poetry or prose, usually by court poets) at Allahabad?

- Ans**
- ☐ 1. Kalidasa
 - ☒ 2. Harishena
 - ☐ 3. Vagabhatta
 - ☐ 4. Amarsimha

Question ID : **81616113656**
Status : **Answered**
Chosen Option : **2**

Q.23 Which of the following pairs of cities became a part of UNESCO's Creative Cities Network in 2019?

- Ans** ☒ 1. Kolkata and Ujjain
☒ 2. Mumbai and Hyderabad
☒ 3. Jaipur and Delhi
☒ 4. Chennai and Varanasi

Question ID : **81616113641**
Status : **Answered**
Chosen Option : **4**

Q.24 All monetary transfers or kinds sent by migrants to their place of origin are called _____.

- Ans** ☒ 1. payments
☒ 2. bills
☒ 3. remittances
☒ 4. drafts

Question ID : **81616112835**
Status : **Answered**
Chosen Option : **3**

Q.25 नहर का वह चैनल जहां पानी का बहाव गुरुत्वाकर्षण के प्रभाव से होता है, _____ कहलाता है।

- Ans** ☒ 1. लिफ्ट चैनल
☒ 2. प्रवाह चैनल
☒ 3. वारबंदी प्रणाली
☒ 4. कमान क्षेत्र

Question ID : **81616112843**
Status : **Answered**
Chosen Option : **2**

Section : **Quantitative Aptitude**

Q.1 Study the following table and answer the question:

Percentage of marks obtained by six students A, B, C, D, E and F in five subjects.

Subjects Students	English (Out of 50)	Math (Out of 150)	Science (Out of 80)	Hindi (Out of 75)	Social Studies (Out of 100)
A	70	90	65	64	88
B	84	92	75	68	49
C	66	80	85	80	84
D	62	74	75	88	60
E	54	64	55	72	85
F	72	84	65	60	65

Total marks obtained by student E in all the five subjects are ?

- Ans**
- ☒ 1. 340
 - ☒ 2. 316
 - ☒ 3. 330
 - ☒ 4. 306

Question ID : **81616113789**
 Status : **Answered**
 Chosen Option : **4**

Q.2 Triangle ABC is right angled at B and D is a point of BC such that BD = 5 cm, AD = 13 cm and AC = 37 cm, then find the length of DC in cm.

- Ans**
- ☒ 1. 5
 - ☒ 2. 30
 - ☒ 3. 25
 - ☒ 4. 35

Question ID : **81616112874**
 Status : **Answered**
 Chosen Option : **2**

Q.3 A certain sum is divided among A, B, C and D such that the ratio of the shares is A : B : C : D = 4 : 12 : 30 : 45. If the difference between the shares of A and D is ₹5,535, then the total sum (in ₹) is:

- Ans**
- ☒ 1. 12285
 - ☒ 2. 12785
 - ☒ 3. 11000
 - ☒ 4. 13550

Question ID : **81616113672**
 Status : **Answered**
 Chosen Option : **1**

Q.4 A tank is filled in 4 hours by three pipes A, B and C. The pipe C is $1\frac{1}{2}$ times as fast as B and B is 3 times as fast as A. How many hours will pipe A alone take to fill the tank?

- Ans**
- ☒ 1. 15
 - ☒ 2. 34
 - ☒ 3. 17
 - ☒ 4. 30

Question ID : **81616113270**
 Status : **Answered**
 Chosen Option : **2**

Q.5 The speed of a motorboat in still water is 20 km/h. It travels 150 km downstream and then returns to the starting point. If the round trip takes a total of 16 hours, what is the speed (in km/h) of the flow of river?

- Ans**
- ☒ 1. 6
 - ☒ 2. 8
 - ☒ 3. 4
 - ☒ 4. 5

Question ID : **81616113675**
 Status : **Answered**
 Chosen Option : **4**

Q.6 A shopkeeper marks an article at a price such that after giving a discount of $x\%$, he gains 20%. If the cost price and the marked price of the article are ₹920 and ₹1472 respectively, then what is the value of x ?

- Ans**
- ☒ 1. 20
 - ☒ 2. 30
 - ☒ 3. 25
 - ☒ 4. 18

Question ID : **81616113669**
 Status : **Answered**
 Chosen Option : **3**

Q.7 Simplify the following expression:

$$\left(\frac{3}{4} - \frac{1}{4} \div \frac{1}{4} \text{ of } \frac{2}{5}\right) \div \left(\frac{3}{4} \div \frac{2}{3} \text{ of } \frac{3}{5}\right)$$

- Ans**
- ☒ 1. $\frac{32}{75}$
 - ☒ 2. $-\frac{14}{15}$
 - ☒ 3. $-\frac{70}{27}$
 - ☒ 4. $\frac{14}{75}$

Question ID : **81616112859**
 Status : **Answered**
 Chosen Option : **2**

Q.8 By mistake, the reciprocal of a positive fraction got typed in place of itself, and thereby its value got reduced by $\frac{175}{4}\%$. What was the value of the fraction?

- Ans**
- ☒ 1. $\frac{3}{4}$
 - ☒ 2. $\frac{1}{4}$
 - ☒ 3. $\frac{4}{3}$
 - ☒ 4. $\frac{1}{2}$

Question ID : **81616113266**
 Status : **Answered**
 Chosen Option : **3**

Q.9

Simplify: $\frac{(\sin \theta + \sec \theta)^2 + (\cos \theta + \operatorname{cosec} \theta)^2}{(1 + \sec \theta \operatorname{cosec} \theta)^2}, 0^\circ < \theta < 90^\circ$

- Ans**
- ☒ 1. -1
 - ☒ 2. 2
 - ☒ 3. 1
 - ☒ 4. 0

Question ID : **81616112574**
 Status : **Answered**
 Chosen Option : **3**

Q.10 If $x^4 - 62x^2 + 1 = 0$, where $x > 0$, then the value of $x^3 + x^{-3}$ is:

- Ans**
- ☒ 1. 512
 - ☒ 2. 500
 - ☒ 3. 364
 - ☒ 4. 488

Question ID : **81616113678**
 Status : **Answered**
 Chosen Option : **4**

Q.11 The surface area of a cube is 13.5 m^2 . What is the length (in m) of its diagonal?

- Ans**
- ☒ 1. $2\sqrt{3}$
 - ☒ 2. $1.5\sqrt{3}$
 - ☒ 3. 2
 - ☒ 4. 1.5

Question ID : **81616112868**
 Status : **Answered**
 Chosen Option : **2**

Q.12 Given that $x^8 - 34x^4 + 1 = 0$, $x > 0$. What is the value of $(x^3 - x^{-3})$?

- Ans**
- ✓ 1. 14
 - ✗ 2. 16
 - ✗ 3. 12
 - ✗ 4. 18

Question ID : 81616113275
Status : Answered
Chosen Option : 1

Q.13 In a circle with centre O, points A, B, C and D in this order are concyclic such that BD is a diameter of the circle. If $\angle BAC = 22^\circ$, then find the measure (in degrees) of $\angle COD$.

- Ans**
- ✗ 1. 158
 - ✗ 2. 79
 - ✗ 3. 68
 - ✓ 4. 136

Question ID : 81616112872
Status : Answered
Chosen Option : 4

Q.14 What is the average of numbers from 1 to 50 which are multiples of 2 or 5? (correct to one decimal place)

- Ans**
- ✗ 1. 26.4
 - ✗ 2. 25.9
 - ✓ 3. 25.8
 - ✗ 4. 25.4

Question ID : 81616112860
Status : Answered
Chosen Option : 3

Q.15 If $\frac{\sin \theta + \cos \theta}{\sin \theta - \cos \theta} = 5$, then the value of $\frac{4 \sin^2 \theta + 3}{2 \cos^2 \theta + 2}$ is:

- Ans**
- ✗ 1. $\frac{75}{17}$
 - ✗ 2. $\frac{1}{2}$
 - ✗ 3. $\frac{3}{2}$
 - ✓ 4. $\frac{75}{34}$

Question ID : 81616113585
Status : Answered
Chosen Option : 4

Q.16 Triangle ABC is right angled at B. BD is an altitude intersecting AC at D. If AC = 9 cm and CD = 3 cm, then find the measure of AB (in cm).

- Ans**
- ☒ 1. $6\sqrt{3}$
 - ☒ 2. $3\sqrt{6}$
 - ☐ 3. 6
 - ☐ 4. 3

Question ID : **81616112875**
 Status : **Answered**
 Chosen Option : **2**

Q.17 If $\sec 31^\circ = x$, then $\sin^2 59^\circ + \frac{1}{\sec^2 31^\circ} - \frac{1}{\sin^2 59^\circ \csc^2 59^\circ}$ is equal to:

- Ans**
- ☐ 1. $\frac{x^2 - 2}{x^2}$
 - ☒ 2. $\frac{2 - x^2}{x^2}$
 - ☐ 3. $\frac{x^2 - 2}{x}$
 - ☐ 4. $\frac{2 - x^2}{x}$

Question ID : **81616113280**
 Status : **Answered**
 Chosen Option : **2**

Q.18 In the table, the production and the sale (in 1000 tonnes) of a certain product of a company over 5 years is given.

years	Production (in 1000 tonnes)	Sale (in 1000 tonnes)
2015	1250	1000
2016	1400	1290
2017	1450	1100
2018	1500	1450
2019	1600	1390

In which year(s) the production increases by more than 10% of that in the previous year?

- Ans**
- ☒ 1. 2016
 - ☐ 2. 2017, 2018
 - ☐ 3. 2018, 2019
 - ☐ 4. 2019

Question ID : **81616112982**
 Status : **Answered**
 Chosen Option : **1**

Q.19 In a circle with centre O, a diameter AB is produced to a point P lying outside the circle and PT is a tangent to the circle at a point T on it. If $\angle BPT = 28^\circ$, then what is the measure of $\angle BCP$?

- Ans
- ☒ 1. 45°
 - ☒ 2. 31°
 - ☒ 3. 28°
 - ☒ 4. 62°

Question ID : 81616113277

Status : Answered

Chosen Option : 2

Q.20 If a nine-digit number $7698x138y$ is divisible by 72, then the value of $\sqrt{4x+y}$ is:

- Ans
- ☒ 1. 5
 - ☒ 2. 6
 - ☒ 3. 8
 - ☒ 4. 9

Question ID : 81616113262

Status : Answered

Chosen Option : 2

Q.21 What is the coefficient of x^2 in the expansion of $\left(5 - \frac{x^2}{3}\right)^3$?

- Ans
- ☒ 1. $-\frac{5}{3}$
 - ☒ 2. 25
 - ☒ 3. -25
 - ☒ 4. $-\frac{25}{3}$

Question ID : 81616112869

Status : Answered

Chosen Option : 3

Q.22 What is the difference between the compound interest (in ₹) compounded yearly and compounded half yearly for 18 months at 20% per annum on a sum of ₹12,000?

- Ans
- ☒ 1. 145
 - ☒ 2. 165
 - ☒ 3. 121
 - ☒ 4. 132

Question ID : 81616113269

Status : Answered


Chosen Option : 4

Q.23 Study the following table and answer the question:

Percentage of marks obtained by six students A, B, C, D, E and F in five subjects.

Subjects Students	English (Out of 50)	Math (Out of 150)	Science (Out of 80)	Hindi (Out of 75)	Social Studies (Out of 100)
A	70	90	65	64	88
B	84	92	75	68	49
C	66	80	85	80	84
D	62	74	75	88	60
E	54	64	55	72	85
F	72	84	65	60	65

The total marks obtained by students C, D and F in Science is what percent more than the total marks obtained by B in Science, Hindi and Social Studies?

- Ans**
-  1. 10.5
 -  2. 12.2
 -  3. 11.1
 -  4. 12.5

Question ID : 81616113791

Status : **Answered**

Chosen Option : 4

Q.24 Table shows District-wise data of number of primary school teachers posted in schools of a city.

Study the table and answer the question:

District	Male teachers	Female teachers
East	1650	2375
North	1075	2651
West	1280	1520
South	1170	1085
Central	690	859

What is the difference between the total number of male teachers in the districts East, North, West taken together and the total number of female teachers in the districts East and South?

- Ans**
-  1. 735
 -  2. 545
 -  3. 771
 -  4. 110

Question ID : 81616112980

Status : **Answered**

Chosen Option : 2

Q.25 A shopkeeper sold an article for ₹455 at a loss (in ₹). If he sells it for ₹490, then he would gain an amount four times the loss. At what price (in ₹) should he sell the article to gain 25%?

- Ans
- ☒ 1. 575
 - ☒ 2. 115.50
 - ☒ 3. 577.50
 - ☒ 4. 570.50

Question ID : 81616112863
Status : Answered
Chosen Option : 3

Section : English Comprehension

Q.1 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- A. "I have already spent it," the thief replied.
- B. "What! I will take you to the police right now," Arun thundered.
- C. "Give me back my money," Arun said to the thief.
- D. "Sir, please have some mercy on me," the thief pleaded.

- Ans
- ☒ 1. CBAD
 - ☒ 2. ADBC
 - ☒ 3. CABD
 - ☒ 4. BCAD

Question ID : 81616112895
Status : Answered
Chosen Option : 3

Q.2 Select the most appropriate ANTONYM of the given word.

Lessen

- Ans
- ☒ 1. Decrease
 - ☒ 2. Increase
 - ☒ 3. Minimise
 - ☒ 4. Reduce

Question ID : 81616113708
Status : Answered
Chosen Option : 2

Q.3 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

Raman went / with his wife / to the village / to sold their land.

- Ans
- ☒ 1. Raman went
 - ☒ 2. with his wife
 - ☒ 3. to sold their land
 - ☒ 4. to the village

Question ID : 81616113691
Status : Answered
Chosen Option : 3

Q.4 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- A. At its height, around 1,200 years ago, the city of Calakmul had a population of about 50,000 people, but the kingdom as a whole numbered more than 1.5 million.
B. Deep in the jungle of southern Mexico lie the ruins of a city that thrived for centuries before it was abandoned more than 1,000 years ago.
C. Archaeologists have uncovered 6,750 structures here—the largest is this pyramid temple, called, simply, 'Structure 2.'
D. Calakmul was once one of the two duelling superpowers—along with Tikal—of the Classical Mayan civilisation.

- Ans ☒ 1. ACDB
☒ 2. DBCA
☒ 3. BDAC
☒ 4. BCDA

Question ID : 81616113704

Status : **Marked For Review**

Chosen Option : 4

Q.5 Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement'.

The prisoners are kept at constant surveillance.

- Ans ☒ 1. No improvement
☒ 2. kept with
☒ 3. kept under
☒ 4. kept by

Question ID : 81616113291

Status : **Answered**

Chosen Option : 3

Q.6 Select the option that can be used as a one-word substitute for the given group of words.

The art of effective or persuasive speaking or writing

- Ans ☒ 1. Poetry
☒ 2. Rhetoric
☒ 3. Bombastic
☒ 4. Archaic

Question ID : 81616113308

Status : **Answered**

Chosen Option : 2

Q.7 Select the option that expresses the given sentence in indirect speech.

Nelson said, "I was playing cricket."

- Ans** ☒ 1. Nelson said that he was playing cricket.
☒ 2. Nelson said I was playing cricket.
☒ 3. Nelson said that I was playing cricket.
☒ 4. Nelson said that he had been playing cricket.

Question ID : **81616112886**
Status : **Answered**
Chosen Option : **4**

Q.8 Select the most appropriate synonym of the given word.

Humdrum

- Ans** ☒ 1. Noisy
☒ 2. Boring
☒ 3. Exciting
☒ 4. Lively

Question ID : **81616112898**
Status : **Answered**
Chosen Option : **2**

Q.9 Select the INCORRECTLY spelt word.

- Ans** ☒ 1. Anarchy
☒ 2. Aristocracy
☒ 3. Monarchy
☒ 4. Tyrany

Question ID : **81616112906**
Status : **Answered**
Chosen Option : **4**

Q.10 Select the most appropriate meaning of the given idiom.

To fight tooth and nail

- Ans** ☒ 1. To silently leave the scene of battle
☒ 2. To use unusual weapons to fight
☒ 3. To keep the enemy guessing about the weapons used
☒ 4. To fight or compete with great ferocity and intensity

Question ID : **81616113710**
Status : **Answered**
Chosen Option : **4**

Q.11 Select the option that can be used as a one-word substitute for the given group of words.

A person employed to drive a private or hired car

- Ans**
- ☒ 1. Captain
 - ☒ 2. Escort
 - ☒ 3. Pilot
 - ☒ 4. Chauffeur

Question ID : **81616113307**
Status : **Answered**
Chosen Option : **4**

Q.12 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

Mithila art tradition is passed on / from one generation through a next / by children watching and helping / their mothers and grandmothers.

- Ans**
- ☒ 1. Mithila art tradition is passed on
 - ☒ 2. from one generation through a next
 - ☒ 3. their mothers and grandmothers
 - ☒ 4. by children watching and helping

Question ID : **81616113288**
Status : **Answered**
Chosen Option : **2**

Q.13 Select the most appropriate **ANTONYM** of the given word.

Controlled

- Ans**
- ☒ 1. Guarded
 - ☒ 2. Excited
 - ☒ 3. Calm
 - ☒ 4. Restrained

Question ID : **81616112899**
Status : **Answered**
Chosen Option : **2**

Q.14 Select the most appropriate synonym of the given word.

Drag

- Ans**
- ☒ 1. Pull
 - ☒ 2. Call
 - ☒ 3. Tell
 - ☒ 4. Push

Question ID : **81616112897**
Status : **Answered**
Chosen Option : **1**

Q.15 Select the most appropriate option to fill in the blank.

The worst possible _____ for human society is that we will destroy ourselves with nuclear weapons.

- Ans**
- ☒ 1. privilege
 - ☒ 2. preceptive
 - ☒ 3. presentation
 - ☒ 4. prediction

Question ID : **81616112908**
Status : **Answered**
Chosen Option : **4**

Q.16 Select the **INCORRECTLY** spelt word.

- Ans**
- ☒ 1. Written
 - ☒ 2. Melody
 - ☒ 3. Verbal
 - ☒ 4. Speach

Question ID : **81616112905**
Status : **Answered**
Chosen Option : **4**

Q.17 Select the most appropriate meaning of the given idiom.

To fan the flames

- Ans**
- ☒ 1. To cool the situation
 - ☒ 2. To make a bad situation worse
 - ☒ 3. To resolve the issue amicably
 - ☒ 4. To call for help to solve an issue

Question ID : **81616113709**
Status : **Answered**
Chosen Option : **1**

Q.18 Select the most appropriate option to fill in the blank.

The people of Rajasthan strictly _____ to the traditional customs.

- Ans**
- ☒ 1. abide
 - ☒ 2. appeal
 - ☒ 3. apply
 - ☒ 4. adhere

Question ID : **81616113311**
Status : **Answered**
Chosen Option : **4**

Q.19 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution required'.

The crowd have gathered around the area to watch the actors.

- Ans ☒ 1. No substitution required
- ☒ 2. have gather around the area
- ☒ 3. have gathered in the area
- ☒ 4. has gathered around the area

Question ID : 81616112888

Status : Answered

Chosen Option : 4

Q.20 Select the option that expresses the given sentence in passive voice.

The fielder at the slip position took a brilliant catch.

- Ans ☒ 1. A brilliant catch was taken by the fielder at the slip position.
- ☒ 2. A brilliant catch had been taken by the fielder at the slip position.
- ☒ 3. A brilliant catch was being taken by the fielder at the slip position.
- ☒ 4. A brilliant catch has been taken by the fielder at the slip position.

Question ID : 81616113289

Status : Answered

Chosen Option : 1

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Moore worked without stopping until eleven o'clock. Then he made (1)_____ a cup of tea. He was enjoying himself sitting alone (2)_____ the fireside. The firelight danced on the walls and (3)_____ strange shadows around the room. His tea tasted (4)_____ and there was nobody to disturb him. Then, for (5)_____ first time he noticed how much noise the rats were making.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank number 1.

- Ans ☒ 1. herself
- ☒ 2. ourself
- ☒ 3. itself
- ☒ 4. himself

Question ID : 81616112890

Status : Answered

Chosen Option : 4

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Moore worked without stopping until eleven o'clock. Then he made (1)_____ a cup of tea. He was enjoying himself sitting alone (2)_____ the fireside. The firelight danced on the walls and (3)_____ strange shadows around the room. His tea tasted (4)_____ and there was nobody to disturb him. Then, for (5)_____ first time he noticed how much noise the rats were making.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank number 2.

- Ans**  1. by
  2. over
  3. in
  4. for

Question ID : **81616112891**

Status : **Answered**

Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Moore worked without stopping until eleven o'clock. Then he made (1)_____ a cup of tea. He was enjoying himself sitting alone (2)_____ the fireside. The firelight danced on the walls and (3)_____ strange shadows around the room. His tea tasted (4)_____ and there was nobody to disturb him. Then, for (5)_____ first time he noticed how much noise the rats were making.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank number 3.

- Ans**  1. picked
  2. stuck
  3. poked
  4. cast

Question ID : **81616112892**

Status : **Answered**

Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Moore worked without stopping until eleven o'clock. Then he made (1)_____ a cup of tea. He was enjoying himself sitting alone (2)_____ the fireside. The firelight danced on the walls and (3)_____ strange shadows around the room. His tea tasted (4)_____ and there was nobody to disturb him. Then, for (5)_____ first time he noticed how much noise the rats were making.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank number 4.

- Ans** ☒ 1. excellent
☐ 2. attractive
☐ 3. skillful
☐ 4. desirable

Question ID : **81616112893**

Status : **Answered**

Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

Moore worked without stopping until eleven o'clock. Then he made (1)_____ a cup of tea. He was enjoying himself sitting alone (2)_____ the fireside. The firelight danced on the walls and (3)_____ strange shadows around the room. His tea tasted (4)_____ and there was nobody to disturb him. Then, for (5)_____ first time he noticed how much noise the rats were making.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank number 5.

- Ans** ☐ 1. only
☐ 2. a
☐ 3. one
☒ 4. the

Question ID : **81616112894**

Status : **Answered**

Chosen Option : **4**