

**Combined Graduate Level Examination 2020 Tier-I**

Roll Number	www.exammix.com
Candidate Name	
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Exam Date	20/08/2021
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination 2020 Tier 1

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.

MCN, NCO, OCP, PCQ, ?

Ans ☒ 1. QCR☒ 2. PCS☒ 3. OCQ☒ 4. PQRQuestion ID : **81616113414**Status : **Answered**Chosen Option : **1****Q.2** Study the given pattern carefully and select the number that can replace the question mark (?) in it.

12 34 110

6 13 35

9 ? 60

Ans ☒ 1. 18☒ 2. 21☒ 3. 23☒ 4. 19Question ID : **81616113327**Status : **Answered**Chosen Option : **2****Q.3** Select the option that is related to the third word in the same way as the second word is related to the first word.

Varanasi : Ganga :: Mathura : ?

Ans ☒ 1. Narmada☒ 2. Ganga☒ 3. Godavari☒ 4. YamunaQuestion ID : **81616112408**Status : **Answered**Chosen Option : **4**

**Q.4** Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Hypodermic
2. Hypocrite
3. Hysterical
4. Hypothermia
5. Hypotenuse

Ans ☒ 1. 1, 2, 3, 4, 5  
☒ 2. 3, 5, 1, 2, 4  
☒ 3. 2, 1, 5, 4, 3  
☒ 4. 4, 3, 5, 1, 2

Question ID : 81616112405

Status : Answered

Chosen Option : 3

**Q.5** There are two couples in a family. Komali has two children. Madhurima is the wife of Omprakash, who is the brother of Mani. Pinki is the daughter of Komali. Urmila is the sister of Sanju, who is the son of Omprakash. Tarun is the son of Mani, who is a male.

How is Madhurima is related to Komali?

Ans ☒ 1. Sister  
☒ 2. Sister-in-law  
☒ 3. Aunt  
☒ 4. Mother

Question ID : 81616113423

Status : Answered

Chosen Option : 2

**Q.6** In a certain code language, 'RAJ' is coded as '87' and 'GITA' is coded as '148'. How will 'VARUN' be coded in that language?

Ans ☒ 1. 176  
☒ 2. 403  
☒ 3. 380  
☒ 4. 234

Question ID : 81616112310

Status : Answered

Chosen Option : 3

**Q.7** Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

Ans ☒ 1. Goitre  
☒ 2. Diarrhoea  
☒ 3. Scurvy  
☒ 4. Anaemia

Question ID : 81616112306

Status : Answered

Chosen Option : 2

**Q.8** 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. MN  
☒ 2. KP  
☒ 3. QL  
☒ 4. GT

Question ID : 81616112406

Status : Answered

Chosen Option : 3

**Q.9** Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

A p 6 9 D q M t

- Ans ☒ 1. t M p D e q A  
☒ 2. A b e D d M t  
☒ 3. t M p D e q A  
☒ 4. A b e D d M t

Question ID : 81616113436

Status : Answered

Chosen Option : 3

**Q.10** Select the set of classes, the relationship among which is best illustrated by the following Venn diagram.



- Ans ☒ 1. Doctors, Fathers, Sisters  
☒ 2. Stationery, Stapler, Erasers  
☒ 3. Extroverts, Men, Handsome  
☒ 4. Bureaucrats, Men, Women

Question ID : 81616113337

Status : Answered

Chosen Option : 3

Q.11 The monthly income of three cricketers Ankit, Sanjay and Roshan, from different sources, are in the ratio of 12 : 9 : 7, and their expenditures are in the ratio 15 : 9 : 8. If Ankit saves 25% of his income for future investments, what is the ratio of the savings of Ankit, Sanjay and Roshan?

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

Question ID : 81616113431  
Status : Answered  
Chosen Option : 1

Q.12 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. (812, 121)  
☒ 2. (547, 258)  
☐ 3. (723, 144)  
☐ 4. (546, 225)

Question ID : 81616112316  
Status : Answered  
Chosen Option : 2

Q.13 Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

11 : 81 :: ? : 121 :: 8 : 36

- Ans ☒ 1. 13  
☐ 2. 12  
☐ 3. 10  
☐ 4. 18

Question ID : 81616113325  
Status : Answered  
Chosen Option : 1

Q.14 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 lockets are chains.  
100% medals are lockets.  
Some rings are chains.

Conclusions:  
I. All chains are medals.  
II. All medals being rings is a possibility.

- Ans ☒ 1. Only conclusion II follows  
☐ 2. Both conclusions I and II follow  
☐ 3. Only conclusion I follows  
☐ 4. Neither conclusion I nor II follows

Question ID : 81616113323  
Status : Answered  
Chosen Option : 1

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

JL\_N\_J\_PND\_NP\_DJ\_P\_D

- Ans
- ☒ 1. M, D, P, N, J, N, O
  - ☒ 2. P, M, D, N, J, O, N
  - ☒ 3. P, D, M, J, N, O, N
  - ☒ 4. M, D, N, P, N, J, O

Question ID : 81616113422

Status : Answered

Chosen Option : 3

Q.16 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans

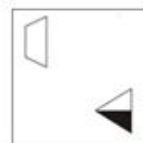
☒ 1.



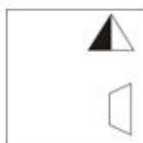
☒ 2.



☒ 3.



☒ 4.



Question ID : 81616112422

Status : Answered

Chosen Option : 3

Q.17 Select the option in which the words share the same relationship as that shared by the given pair of words.

Pulmonologist : Lungs

- Ans
- ☒ 1. Ophthalmologist : Ears
  - ☒ 2. Nephrologist : Nerves
  - ☒ 3. Endocrinologist : Glands
  - ☒ 4. Bones : Orthopaedic

Question ID : 81616113419

Status : Answered

Chosen Option : 3

**Q.18** Select the correct combination of mathematical signs that can sequentially replace the \* signs and make the equation correct.

$$45 * 24 * 72 * 20 * 12 * 7$$

Ans ☒ 1.  $\times, +, =, -, +$

☐ 2.  $\div, \times, +, -, =$

☐ 3.  $=, \times, +, \div, -$

☐ 4.  $+, \div, -, =, \times$

Question ID : 81616112319

Status : Answered

Chosen Option : 1

**Q.19** Select the number from among the given options that can replace the question mark (?) in the following series.

121, 169, 225, 289, ?

Ans ☐ 1. 398

☐ 2. 410

☒ 3. 361

☐ 4. 305

Question ID : 81616112415

Status : Answered

Chosen Option : 3

**Q.20** Two different positions of the same dice are shown, the faces of which are marked with the letters F, G, H, I, J and K. Select the letter that will be on the face opposite to the face having the letter 'F'.



Ans ☐ 1. J

☒ 2. G

☐ 3. H

☐ 4. I

Question ID : 81616112323

Status : Answered

Chosen Option : 2

**Q.21** Select the option in which the numbers are related in the same way as are the numbers of the following set.

(12, 121, 169)

Ans ☐ 1. (14, 196, 225)

☐ 2. (16, 161, 256)

☐ 3. (11, 144, 196)

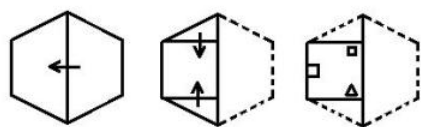
☒ 4. (17, 256, 324)

Question ID : 81616112318

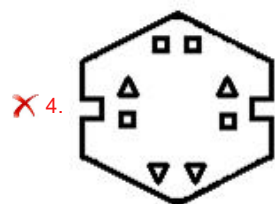
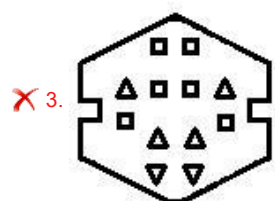
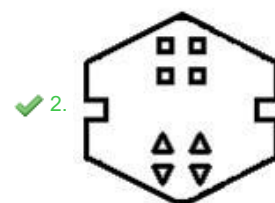
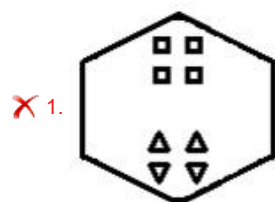
Status : Answered

Chosen Option : 4

**Q.22** 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

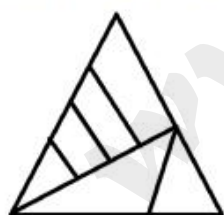


Question ID : 81616113437

Status : Answered

Chosen Option : 2

**Q.23** How many triangles are there in the given figure?



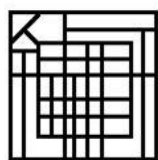
- Ans
- ✗ 1. 7
  - ✗ 2. 9
  - ✗ 3. 10
  - ✓ 4. 8

Question ID : 81616112322

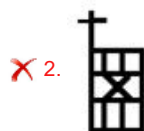
Status : Answered

Chosen Option : 4

Q.24 Select the option figure that is embedded in the given figure (rotation is NOT allowed).



Ans



Question ID : 81616113435

Status : Answered

Chosen Option : 3

Q.25 In a certain code language, 'INHALE' is written as 'REEDIH'. How will 'MIGHTY' be written in that language?

Ans ✗ 1. IMCLCP

✓ 2. MILCCP

✗ 3. MCLICP

✗ 4. CCILMP

Question ID : 81616113319

Status : Answered

Chosen Option : 2

Section : General Awareness

Q.1 In which of the following states was India's first gender park inaugurated in February 2021?

Ans ✓ 1. Kerala

✗ 2. Karnataka

✗ 3. Odisha

✗ 4. West Bengal

Question ID : 81616113462

Status : Answered

Chosen Option : 1



Q.2 The scientific study of birds is called \_\_\_\_\_.

- Ans ☒ 1. ornithology  
☒ 2. ichthyology  
☒ 3. gerontology  
☒ 4. pomology

Question ID : 81616113345  
Status : Answered  
Chosen Option : 1

Q.3 Which Indian state won the 'UN Interagency Task Force' ('UNIATF') award this year for prevention and control of non-communicable diseases in the year 2020?

- Ans ☒ 1. Tamil Nadu  
☒ 2. Goa  
☒ 3. Gujarat  
☒ 4. Kerala

Question ID : 81616112445  
Status : Not Answered  
Chosen Option : --

Q.4 Which of the following minerals produces green colour in fireworks?

- Ans ☒ 1. Sodium  
☒ 2. Barium  
☒ 3. Zinc  
☒ 4. Copper

Question ID : 81616113342  
Status : Answered  
Chosen Option : 2

Q.5 Padavali Kirtan refers to songs composed in the medieval period of West Bengal (15th to 17th century) in praise of \_\_\_\_\_.

- Ans ☒ 1. Shiva  
☒ 2. Shakti  
☒ 3. Vishnu  
☒ 4. Brahma

Question ID : 81616112329  
Status : Answered  
Chosen Option : 2

Q.6 Who among the following broke the national under-20 record in the 10,000 m race walk in January 2021?

- Ans ☒ 1. Amit Khatri  
☒ 2. Naresh Kumar  
☒ 3. Rahul Bind  
☒ 4. Paramdeep Mor

Question ID : 81616113359  
Status : Not Answered  
Chosen Option : --

Q.7 The problem of choice between relatively scarce commodities due to limited productive resources with the society can be illustrated with the help of a \_\_\_\_\_.

- Ans
- ☐ 1. demand curve
  - ☐ 2. marginal utility curve
  - ☐ 3. budget line
  - ☒ 4. production possibility curve

Question ID : 81616112331

Status : Not Answered

Chosen Option : --

Q.8 In October 2020, \_\_\_\_\_ Indian beaches were awarded the 'Blue Flag' certification by an international jury comprising of eminent members such as UNEP, UNWTO, FEE and IUCN.

- Ans
- ☐ 1. 4
  - ☐ 2. 6
  - ☒ 3. 8
  - ☐ 4. 10

Question ID : 81616112453

Status : Answered

Chosen Option : 2

Q.9 Who was the brand ambassador of World Wildlife Fund India's Environment Education Programme as of January 2021?

- Ans
- ☐ 1. Dia Mirza
  - ☒ 2. Viswanathan Anand
  - ☐ 3. Virat Kohli
  - ☐ 4. MS Dhoni

Question ID : 81616113456

Status : Answered

Chosen Option : 2

Q.10 Which Indian state had the highest number of large dams as of January 2021?

- Ans
- ☐ 1. Tamil Nadu
  - ☐ 2. Rajasthan
  - ☒ 3. Maharashtra
  - ☐ 4. Gujarat

Question ID : 81616112440

Status : Answered

Chosen Option : 4

Q.11 In which of the following states does the Governor have special responsibility under Article 371H of the Constitution with respect to law and order and in discharge of his functions in relation thereto?

- Ans
- ☐ 1. Sikkim
  - ☒ 2. Arunachal Pradesh
  - ☐ 3. Nagaland
  - ☐ 4. Mizoram

Question ID : 81616112346

Status : Not Answered

Chosen Option : --

Q.12 Who among the following is the Chairman of Planning Commission and National Integration Council of India?

- Ans
- ☒ 1. The Vice President
  - ☒ 2. The Attorney General
  - ☒ 3. The President
  - ☒ 4. The Prime Minister

Question ID : 81616113458

Status : Answered

Chosen Option : 4

Q.13 Who among the following was the founder and the first Chairman and Commissioner of the Indian Premier League (IPL)?

- Ans
- ☒ 1. Raj Singh Dungarpur
  - ☒ 2. Sandeep Patil
  - ☒ 3. Lalit Modi
  - ☒ 4. Jagmohan Dalmiya

Question ID : 81616112449

Status : Answered

Chosen Option : 3

Q.14 At which of the following places did Lord Buddha give his first sermon on the Four Noble Truths?

- Ans
- ☒ 1. Lumbini
  - ☒ 2. Sarnath
  - ☒ 3. Bodh Gaya
  - ☒ 4. Rajgir

Question ID : 81616113353

Status : Answered

Chosen Option : 2

Q.15 Which of the following is the largest sea bird with the longest wingspan?

- Ans
- ☒ 1. Booby
  - ☒ 2. Auk
  - ☒ 3. Wandering Albatross
  - ☒ 4. Frigatebird

Question ID : 81616113447

Status : Not Answered

Chosen Option : --

Q.16 Which of the following rivers empties into the Gulf of Cambay of the Arabian Sea, in the state of Gujarat?

- Ans
- ☒ 1. Godavari
  - ☒ 2. Cauvery
  - ☒ 3. Krishna
  - ☒ 4. Tapti

Question ID : 81616112337

Status : Answered

Chosen Option : 4

Q.17 Which of the following movies has been selected as India's official entry for the 'International Feature Film' category at the 93rd Academy Awards?

- Ans ☒ 1. Ek Hazarachi Note  
☒ 2. The Sky Is Pink  
☒ 3. Gulabo Sitabo  
☒ 4. Jallikattu

Question ID : 81616112451  
Status : Answered  
Chosen Option : 4

Q.18 C Rajagopalachari led the Salt Satyagraha in which of the following states?

- Ans ☒ 1. Rajasthan  
☒ 2. Maharashtra  
☒ 3. Gujarat  
☒ 4. Tamil Nadu

Question ID : 81616113453  
Status : Answered  
Chosen Option : 4

Q.19 In which of the following states is the 'Eco Retreat' festival held every year?

- Ans ☒ 1. Odisha  
☒ 2. Tamil Nadu  
☒ 3. Assam  
☒ 4. Bihar

Question ID : 81616113338  
Status : Answered  
Chosen Option : 1

Q.20 Which of the following states was awarded by the Union Government for being the best state in the fisheries sector amongst hilly and north-eastern states for the year 2019-2020?

- Ans ☒ 1. Sikkim  
☒ 2. Mizoram  
☒ 3. Tripura  
☒ 4. Assam

Question ID : 81616113449  
Status : Not Answered  
Chosen Option : --

Q.21 A type of court called 'Kantakasodhana' was prevalent in the \_\_\_\_\_ Empire.

- Ans ☒ 1. Rashtrakuta  
☒ 2. Kushana  
☒ 3. Mauryan  
☒ 4. Chola

Question ID : 81616112341  
Status : Not Answered  
Chosen Option : --

Q.22 Who was the first and last woman ruler of Delhi Sultanate?

- Ans ☒ 1. Sultana Chand Bibi  
☒ 2. Nur Jahan  
☒ 3. Rani Durgavati  
☒ 4. Razia Sultana

Question ID : 81616113350  
Status : Answered  
Chosen Option : 4

Q.23 \_\_\_\_\_ include/s glycogen, poly- $\beta$ - hydroxybutyrate granules, sulphur granules and gas vesicles.

- Ans ☒ 1. Flagella  
☒ 2. Plasma membrane  
☒ 3. Mesosomes  
☒ 4. Cytoplasm

Question ID : 81616112434  
Status : Not Answered  
Chosen Option : --

Q.24 In which of the following states is the headquarters of IDBI (Industrial Development Bank of India) located?

- Ans ☒ 1. Karnataka  
☒ 2. West Bengal  
☒ 3. Maharashtra  
☒ 4. Haryana

Question ID : 81616113441  
Status : Answered  
Chosen Option : 3

Q.25 What is the boiling point at standard atmospheric pressure at sea-level and 45° latitude of water on the Celsius scale?

- Ans ☒ 1. 50°C  
☒ 2. 150°C  
☒ 3. 200°C  
☒ 4. 100°C

Question ID : 81616112334  
Status : Not Answered  
Chosen Option : --

Section : Quantitative Aptitude

Q.1 In a circle with centre O and radius 13 cm, a chord AB is drawn. Tangents at A and B intersect at P such that  $\angle APB = 60^\circ$ . If distance of AB from the centre O is 5 cm, then what is the length (in cm) of AP?

- Ans ☒ 1. 12  
☒ 2. 11  
☒ 3. 22  
☒ 4. 24

Question ID : 81616112368  
Status : Answered  
Chosen Option : 4

**Q.2** The table shows the daily income of 50 persons.  
Study the table and answer the question.

Income (₹)	No. of persons
less than 200	12
less than 250	26
less than 300	34
less than 350	40
less than 400	50

What is the ratio of the number of persons earning less than ₹200 to the number of persons earning ₹300 or more?

- Ans**
- ✗ 1. 6 : 5
- ✓ 2. 3 : 4
- ✗ 3. 3 : 10
- ✗ 4. 6 : 17

Question ID : 81616112779  
Status : Answered  
Chosen Option : 2

**Q.3** In a circle, chords AB and CD intersect internally, at E. If CD = 16 cm, DE = 6 cm, AE = 12 cm, and BE =  $x$  cm then the value of  $x$  is:

- Ans**
- ✗ 1. 6
- ✗ 2. 17
- ✓ 3. 5
- ✗ 4. 9

Question ID : 81616113478  
Status : Answered  
Chosen Option : 3

**Q.4** The ratio of two numbers A and B is 5 : 8. If 5 is added to each of A and B, then the ratio becomes 2 : 3. The difference in A and B is:

- Ans**
- ✓ 1. 15
- ✗ 2. 20
- ✗ 3. 12
- ✗ 4. 10

Question ID : 81616113369  
Status : Answered  
Chosen Option : 1

**Q.5** If  $\sec(5\alpha - 15^\circ) = \operatorname{cosec}(15^\circ - 2\alpha)$ , then the value of  $\cos\alpha + \sin 2\alpha + \tan(1.5\alpha)$  is:

- Ans**
- ✓ 1.  $\sqrt{3} + 1$
- ✗ 2.  $\sqrt{2} - 1$
- ✗ 3.  $\sqrt{3} - 1$
- ✗ 4.  $\sqrt{2} + 1$

Question ID : 81616113383  
Status : Answered  
Chosen Option : 1

**Q.6** If  $\sin(20 + x)^\circ = \cos 60^\circ$ ,  $0 \leq (20 + x) \leq 90$ , then find the value of  $2\sin^2(3x + 15)^\circ - \operatorname{cosec}^2(2x + 10)^\circ$ .

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

Question ID : 81616112371

Status : Answered

Chosen Option : 2

**Q.7** Weight of A is 20% more than weight of B, whose weight is 30% more than weight of C. By how much percent weight of A is more than weight of C?

- Ans
- ☒ 1. 44
  - ☒ 2. 56
  - ☒ 3. 69
  - ☒ 4. 35.89

Question ID : 81616112357

Status : Answered

Chosen Option : 2

**Q.8** A takes 2 hours more than B to cover a distance of 40 km. If A doubles his speed, he takes  $1\frac{1}{2}$  hour more than B to cover 80 km. To cover a distance of 120 km, how much time (in hours) will B take travelling at his same speed?

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

Question ID : 81616113372

Status : Answered

Chosen Option : 4

**Q.9** If  $\left(2a + \frac{3}{a} - 1\right) = 11$ , what is the value of  $\left(4a^2 + \frac{9}{a^2}\right)$  ?

- Ans
- ☒ 1. 121
  - ☒ 2. 148
  - ☒ 3. 132
  - ☒ 4. 110

Question ID : 81616112366

Status : Answered

Chosen Option : 3

Q.10 If  $a^2 + b^2 + c^2 + 216 = 12(a + b - 2c)$ , then  $\sqrt{ab - bc - ca}$  is:

- Ans
- ☒ 1.  $3\sqrt{5}$
  - ☒ 2.  $8\sqrt{5}$
  - ☒ 3.  $6\sqrt{5}$
  - ☒ 4.  $4\sqrt{5}$

Question ID : 81616113375  
Status : Answered  
Chosen Option : 3

Q.11 Fourteen persons can do a work in 18 days. After 5 days of work, 6 workers left the work, and joined back on the last day of the work. In how many days the work got completed?

- Ans
- ☒ 1. 27
  - ☒ 2. 24
  - ☒ 3. 12
  - ☒ 4. 21

Question ID : 81616112361  
Status : Answered  
Chosen Option : 1

Q.12 Find the value of  $\tan 35^\circ \cot 40^\circ \tan 45^\circ \cot 50^\circ \tan 55^\circ$ .

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

Question ID : 81616112877  
Status : Answered  
Chosen Option : 4

Q.13 What is the value of k such that number 72k460k is divisible by 6?

- Ans
- ☒ 1. 4
  - ☒ 2. 7
  - ☒ 3. 9
  - ☒ 4. 8

Question ID : 81616112353  
Status : Answered  
Chosen Option : 1



**Q.14** In  $\Delta ABC$ , D is a point on side AB such that  $BD = 3$  cm and  $DA = 4$  cm. E is a point on BC such that  $DE \parallel AC$ . Then  
 Area of  $\Delta BDE$  : Area of trapezium ACED =

- Ans
- ☒ 1. 40 : 9
  - ☒ 2. 33 : 16
  - ☒ 3. 16 : 33
  - ☒ 4. 9 : 40

Question ID : 81616113481  
 Status : Answered  
 Chosen Option : 4

**Q.15** The average of squares of five consecutive odd natural numbers is 233. What is the average of the largest number and the smallest number?

- Ans
- ☒ 1. 15
  - ☒ 2. 17
  - ☒ 3. 11
  - ☒ 4. 13

Question ID : 81616113466  
 Status : Answered  
 Chosen Option : 1

**Q.16** Simplify  $(x - y + z)^2 - (x - y - z)^2$ .

- Ans
- ☒ 1.  $4xz - 4yz$
  - ☒ 2.  $2xz + 2yz$
  - ☒ 3.  $4yz - 4xz$
  - ☒ 4.  $4xz + 4yz$

Question ID : 81616112465  
 Status : Answered  
 Chosen Option : 1

**Q.17** Simplify the following expression:

$$3 \times 8 \div 9 \text{ of } 6 - 2 \div 3 \times (5 - 2) \times 2 + 18 \div 3 \text{ of } 3$$

- Ans
- ☒ 1.  $-1\frac{5}{9}$
  - ☒ 2.  $2\frac{12}{13}$
  - ☒ 3.  $-4$
  - ☒ 4.  $2\frac{1}{3}$

Question ID : 81616112455  
 Status : Answered  
 Chosen Option : 1

**Q.18** A certain sum amounts to ₹81840 in 3 years and to ₹92400 in 5 years at  $x\%$  p.a under simple interest. If the rate of interest is becomes  $(x + 2)\%$ , then in how many years will the same sum double itself?

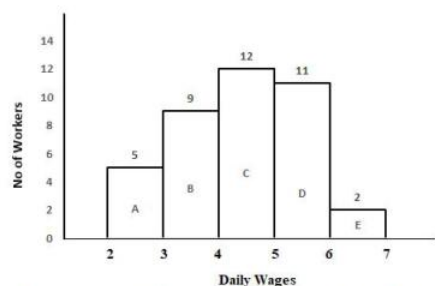
- Ans
- ☒ 1. 8
  - ☒ 2. 10
  - ☒ 3. 20
  - ☒ 4.  $12\frac{1}{2}$

Question ID : 81616112360

Status : Answered

Chosen Option : 2

**Q.19** In a factory there are 39 workers who have been categorized into five groups (A, B, C, D, E) on the basis of the range of their daily wages (in multiples of ₹100). The distribution is presented through a Histogram shown below:



What is the ratio of the number of employees whose daily wages are ₹200 or more but less than ₹400 to that of the number of employees whose daily wages are ₹400 or more but less than ₹600?

- Ans
- ☒ 1. 41 : 23
  - ☒ 2. 23 : 41
  - ☒ 3. 14 : 23
  - ☒ 4. 23 : 14

Question ID : 81616113386

Status : Answered

Chosen Option : 3

**Q.20** The data given in the table shows the number of students studying in four different disciplines in 5 institutes. Study the table and answer the question.

Institutes	Arts	Science	Commerce	Computer Science
A	36	48	59	57
B	45	54	55	48
C	55	36	56	51
D	45	48	55	53
E	48	44	52	55

Number of students studying Computer Science in the institutes A and C taken together is what percent of the number of students studying Arts in the institutes B and D taken together?

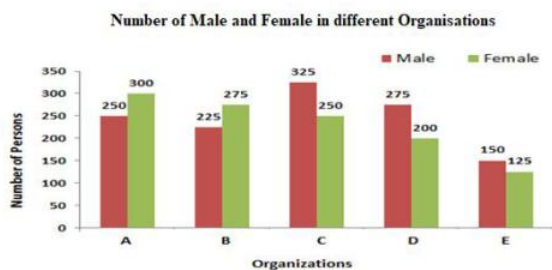
- Ans
- ☒ 1. 108
  - ☒ 2. 200
  - ☒ 3. 120
  - ☒ 4. 83.3

Question ID : 81616112781

Status : Answered

Chosen Option : 3

**Q.21** Bar graph shows the number of males and females in five organizations A, B, C, D and E.



For which organisation, difference between the number of males and the average number of females of all the organisations is minimum?

- Ans**
- ☒ 1. D
  - ☒ 2. C
  - ☒ 3. A
  - ☒ 4. B

Question ID : **81616113384**

Status : **Answered**

Chosen Option : **4**

**Q.22** Triangle ABC is an equilateral triangle. D and E are points on AB and AC respectively such that DE is parallel to BC and is equal to half the length of BC. If  $AD + CE + BC = 30$  cm, then find the perimeter (in cm) of the quadrilateral BCED.

- Ans**
- ☒ 1. 37.5
  - ☒ 2. 25
  - ☒ 3. 45
  - ☒ 4. 35

Question ID : **81616112470**

Status : **Answered**

Chosen Option : **1**

**Q.23** An article is marked 27% above its cost price. If  $x\%$  discount is allowed on the marked price and still there is a profit of 6.68%, then what is the value of  $x$ ?

- Ans**
- ☒ 1. 15
  - ☒ 2. 20
  - ☒ 3. 16
  - ☒ 4. 12.5

Question ID : **81616113366**

Status : **Answered**

Chosen Option : **3**

**Q.24** The area of a quadrant of a circle is  $\frac{\pi}{9} m^2$ . Its radius (in metres) is equal to:

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

Question ID : **81616113474**  
 Status : **Answered**  
 Chosen Option : **1**

**Q.25** A sold an article to B at a profit of 25%. B sold it to C at a profit of 15%. The profit made by B is ₹40 less than the profit made by A. What is the cost price (in ₹) of the article for A?

- Ans**
- ✗ 1. 240
  - ✓ 2. 640
  - ✗ 3. 546
  - ✗ 4. 400

Question ID : **81616112459**  
 Status : **Answered**  
 Chosen Option : **2**

Section : English Comprehension

**Q.1** Select the option that expresses the given sentence in indirect speech.

The professor said to the media persons, "From our research we have come to the conclusion that there is life on that planet."

- Ans**
- ✗ 1. The professor said to the media persons from our research you had come to the conclusion that there was life on that planet.
  - ✗ 2. The professor told to the media persons that from your research you have come to the conclusion that there is life on that planet.
  - ✓ 3. The professor said to the media persons that from their research they had come to the conclusion that there was life on that planet.
  - ✗ 4. The professor informed the media persons that from our research we have come to the conclusion that there had been life on that planet.

Question ID : **81616113492**  
 Status : **Answered**  
 Chosen Option : **3**

**Q.2** Select the most appropriate meaning of the given idiom.

A bad egg

- Ans**
- ✗ 1. Someone who doesn't like eggs
  - ✓ 2. Someone who is dishonest and unreliable
  - ✗ 3. Someone who likes to break eggs
  - ✗ 4. Someone who regularly makes mistakes

Question ID : **81616113406**  
 Status : **Answered**  
 Chosen Option : **2**

**Q.3** Select the most appropriate synonym of the given word.

Tag (n)

- Ans ☒ 1. Label  
☒ 2. Syphon  
☒ 3. Drain  
☒ 4. Pump

Question ID : 81616113503

Status : Answered

Chosen Option : 1

**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. According to his hypothesis, now known as the neuron theory, each nerve cell communicates with others through contiguity rather than continuity.  
B. The watershed of all studies of the nervous system was an observation made in 1889 by Spanish scientist Santiago Ramón y Cajal.  
C. It has since been proved that Cajal's theory is not universally true, but his central idea has remained an accurate guiding principle for all further study.  
D. That is, communication between adjacent but separate cells must take place across the space and barriers separating them.

- Ans ☒ 1. BADC  
☒ 2. CDAB  
☒ 3. BCDA  
☒ 4. ADCB

Question ID : 81616113401

Status : Answered

Chosen Option : 1

**Q.5** Select the option that expresses the given sentence in passive voice.

You can solve this problem.

- Ans ☒ 1. This problem can be solved by you.  
☒ 2. This problem should be solved by you.  
☒ 3. This problem might be solved by you.  
☒ 4. This problem ought to be solved by you.

Question ID : 81616112380

Status : Answered

Chosen Option : 1

**Q.6** Select the INCORRECTLY spelt word.

- Ans ☒ 1. Magnificent  
☒ 2. Articulate  
☒ 3. Colossal  
☒ 4. Concensus

Question ID : 81616112502

Status : Answered

Chosen Option : 3

**Q.7** 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.

Ranbir could not went / to the award ceremony / as he was busy / shooting / for a film / in Maldives.

- Ans
- ☒ 1. for a film
  - ☒ 2. as he was busy
  - ☒ 3. Ranbir could not went
  - ☒ 4. to the award ceremony

Question ID : 81616112379

Status : Answered

Chosen Option : 3

**Q.8** The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If there is no error, select 'No error'.

Modern science have / broken many myths / about our food and diet.

- Ans
- ☒ 1. No error
  - ☒ 2. Modern science have
  - ☒ 3. about our food and diet
  - ☒ 4. broken many myths

Question ID : 81616113388

Status : Answered

Chosen Option : 2

**Q.9** Select the most appropriate option to fill in the blank.

Credit card \_\_\_\_\_ has increased in recent years.

- Ans
- ☒ 1. fraud
  - ☒ 2. flake
  - ☒ 3. freed
  - ☒ 4. fluke

Question ID : 81616112402

Status : Answered

Chosen Option : 1

**Q.10** Select the most appropriate ANTONYM of the given word.

Blemish

- Ans
- ☒ 1. Damage
  - ☒ 2. Stain
  - ☒ 3. Discolouration
  - ☒ 4. Perfection

Question ID : 81616113405

Status : Answered

Chosen Option : 4

Q.11 Select the most appropriate option to fill in the blank.

My neighbour was admitted to the hospital when he developed an allergic \_\_\_\_\_ to some medicine he took.

- Ans ☒ 1. reaction  
☐ 2. result  
☐ 3. retort  
☐ 4. rejoinder

Question ID : 81616113514  
Status : Answered  
Chosen Option : 1

Q.12 Select the option that can be used as a one-word substitute for the given group of words.

An arrangement of flowers that is usually given as a present.

- Ans ☐ 1. Bracket  
☐ 2. Basket  
☒ 3. Bouquet  
☐ 4. Boutique

Question ID : 81616112398  
Status : Answered  
Chosen Option : 3

Q.13 Select the most appropriate synonym of the given word.

Detrimental

- Ans ☐ 1. Friendly  
☐ 2. Smart  
☐ 3. Intellectual  
☒ 4. Harmful

Question ID : 81616113504  
Status : Answered  
Chosen Option : 4

Q.14 Select the INCORRECTLY spelt word.

- Ans ☐ 1. Cadre  
☐ 2. Commit  
☐ 3. Carnivorous  
☒ 4. Calender

Question ID : 81616112501  
Status : Answered  
Chosen Option : 4

Q.15 Select the most appropriate meaning of the given idiom.

Tide someone over

- Ans ☒ 1. Ask someone for financial assistance  
☒ 2. Give temporary help, usually financial  
☒ 3. Get a boat ready to cross a river or water body  
☒ 4. Complete a voyage successfully

Question ID : 81616113407

Status : Answered

Chosen Option : 2

Q.16 Select the option that can be used as a one-word substitute for the given group of words.

One who does not believe in the existence of God.

- Ans ☒ 1. Anarchist  
☒ 2. Atheist  
☒ 3. Egotist  
☒ 4. Cynic

Question ID : 81616112399

Status : Answered

Chosen Option : 2

Q.17 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

After the old building was pulled out, the building contractor surveyed the progress of the work.

- Ans ☒ 1. was pulled over  
☒ 2. No substitution  
☒ 3. was pulled up  
☒ 4. was pulled down

Question ID : 81616113494

Status : Answered

Chosen Option : 4

Q.18 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. Dad: "Yes, tell me."  
B. Laxmi: "Dad, I need to speak to you."  
C. Dad: "I think you are still too young for it."  
D. Laxmi: "Please buy me a scooter."

- Ans ☒ 1. ABDC  
☒ 2. BCDA  
☒ 3. DCBA  
☒ 4. BADC

Question ID : 81616112491

Status : Answered

Chosen Option : 4



Q.19 Select the most appropriate ANTONYM of the given word.

Anxiety

- Ans ☒ 1. Nervousness  
☒ 2. Panic  
☒ 3. Restlessness  
☒ 4. Certainty

Question ID : 81616112495

Status : Answered

Chosen Option : 4

Q.20 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

The apple a day keeps the doctor away.

- Ans ☒ 1. No substitution  
☒ 2. The apples a day  
☒ 3. An apple a day  
☒ 4. A apple a day

Question ID : 81616112382

Status : Answered

Chosen Option : 3

**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.

The five senses (1)\_\_\_\_\_ sight, hearing, taste, touch and (2)\_\_\_\_\_. What is sometimes (3)\_\_\_\_\_ to as a 'sixth sense' is a power to be aware (4)\_\_\_\_\_ things independently of the five (5)\_\_\_\_\_ senses, a kind of supernatural sense.

SubQuestion No : 21

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

- Ans ☒ 1. in  
☒ 2. is  
☒ 3. are  
☒ 4. of

Question ID : 81616112486

Status : Answered

Chosen Option : 3

**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.

The five senses (1)\_\_\_\_\_ sight, hearing, taste, touch and (2)\_\_\_\_\_. What is sometimes (3)\_\_\_\_\_ to as a 'sixth sense' is a power to be aware (4)\_\_\_\_\_ things independently of the five (5)\_\_\_\_\_ senses, a kind of supernatural sense.

**SubQuestion No : 22**

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

- Ans ☒ 1. sadness  
☒ 2. happiness  
☒ 3. smell  
☒ 4. anger

Question ID : 81616112487

Status : Answered

Chosen Option : 3

**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.

The five senses (1)\_\_\_\_\_ sight, hearing, taste, touch and (2)\_\_\_\_\_. What is sometimes (3)\_\_\_\_\_ to as a 'sixth sense' is a power to be aware (4)\_\_\_\_\_ things independently of the five (5)\_\_\_\_\_ senses, a kind of supernatural sense.

**SubQuestion No : 23**

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

- Ans ☒ 1. reminded  
☒ 2. retained  
☒ 3. required  
☒ 4. referred

Question ID : 81616112488

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.

The five senses (1)\_\_\_\_\_ sight, hearing, taste, touch and (2)\_\_\_\_\_. What is sometimes (3)\_\_\_\_\_ to as a 'sixth sense' is a power to be aware (4)\_\_\_\_\_ things independently of the five (5)\_\_\_\_\_ senses, a kind of supernatural sense.

**SubQuestion No : 24**

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

- Ans ☒ 1. at  
☒ 2. of  
☒ 3. on  
☒ 4. in

Question ID : 81616112489

Status : Answered

Chosen Option : 2

**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.

The five senses (1)\_\_\_\_\_ sight, hearing, taste, touch and (2)\_\_\_\_\_. What is sometimes (3)\_\_\_\_\_ to as a 'sixth sense' is a power to be aware (4)\_\_\_\_\_ things independently of the five (5)\_\_\_\_\_ senses, a kind of supernatural sense.

**SubQuestion No : 25**

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

Ans ☒ 1. geographical

☒ 2. physical

☒ 3. geological

☒ 4. botanical

Question ID : 81616112490

Status : Answered

Chosen Option : 2

## Combined Graduate Level Examination 2020 Tier-I

Roll Number	www.exammix.com
Candidate Name	
Venue Name	
Exam Date	20/08/2021
Exam Time	12:00 PM - 1:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

### Section : General Intelligence and Reasoning

**Q.1** Select the option in which the words share the same relationship as that shared by the given pair of words.

Cat : Kitten

- Ans ☒ 1. Caw : Calf  
☒ 2. Bee : Queen  
☒ 3. Penguin : Fawn  
☒ 4. Shark : Lamb

Question ID : 81616112712

Status : Answered

Chosen Option : 1

**Q.2** Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Relativial
2. Relation
3. Related
4. Relative
5. Relatable

- Ans ☒ 1. 5, 3, 2, 4, 1  
☒ 2. 5, 2, 3, 1, 4  
☒ 3. 4, 5, 3, 2, 1  
☒ 4. 5, 3, 2, 1, 4

Question ID : 81616112203

Status : Answered

Chosen Option : 4

**Q.3** Select the option in which the numbers are related in the same way as are the numbers of the following set.

(4, 7, 359)

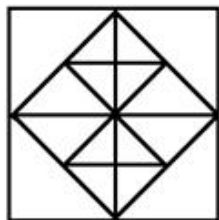
- Ans ☒ 1. (10, 3, 172)  
☒ 2. (5, 4, 98)  
☒ 3. (3, 2, 71)  
☒ 4. (6, 8, 548)

Question ID : 81616113429

Status : Not Answered

Chosen Option : --

Q.4 Find the number of triangles in the given figure.



- Ans
- ☒ 1. 26
  - ☒ 2. 30
  - ☒ 3. 32
  - ☒ 4. 28

Question ID : 81616113433

Status : Answered

Chosen Option : 4

Q.5 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

PRESCRIPTION

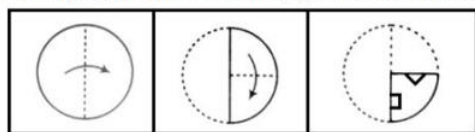
- Ans
- ☒ 1. ЪƆЄƧƆƆƆƆƆƆƆƆƆƆƆ
  - ☒ 2. ƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆ
  - ☒ 3. ƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆƆ
  - ☒ 4. ЪƆЄƧƆƆƆƆƆƆƆƆƆƆƆ

Question ID : 81616112729

Status : Answered

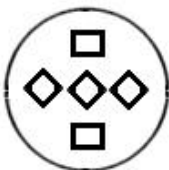
Chosen Option : 1

**Q.6** 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?

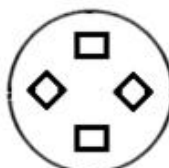


Ans

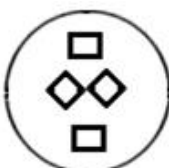
✗ 1.



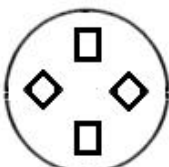
✓ 2.



✗ 3.



✗ 4.



Question ID : 81616112730

Status : Answered

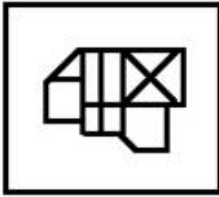
Chosen Option : 4

Q.7 Select the option figure in which the given figure is embedded (rotation is NOT allowed).



Ans

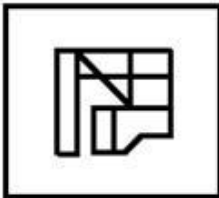
✗ 1.



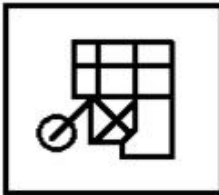
✓ 2.



✗ 3.



✗ 4.



Question ID : 81616112728

Status : Answered

Chosen Option : 2

Q.8 Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

8 : 24 :: ? : 52 :: 18 : 114

Ans ✓ 1. 12

✗ 2. 14

✗ 3. 20

✗ 4. 16

Question ID : 81616113527

Status : Not Answered

Chosen Option : --

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

- Ans ☒ 1. Hinder  
☒ 2. Forbid  
☒ 3. Permit  
☒ 4. Impede

Question ID : 81616113417

Status : Answered

Chosen Option : 3

Q.10 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:

1. All fans are heaters.
2. Some coolers are fans.
3. All purifiers are coolers.

Conclusions:

- I. All purifiers are heaters.
- II. Some purifiers are heaters.
- III. Some heaters are coolers.
- IV. All coolers are heaters.

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

Question ID : 81616113525

Status : Answered

Chosen Option : 3

Q.11 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. 797 : 679  
☒ 2. 373 : 255  
☒ 3. 727 : 609  
☒ 4. 191 : 177

Question ID : 81616113427

Status : Not Answered

Chosen Option : --



Q.12 Swati is the daughter of Anil's only sister Akshara. Anil's mother is Gouri. Kamini is Gouri's mother. Kamini's husband is Gaurav. Poonam is the mother-in-law of Gaurav. How is Swati related to Gaurav?

- Ans ☒ 1. Daughter  
☒ 2. Great granddaughter  
☒ 3. Granddaughter  
☒ 4. Great granddaughter's daughter

Question ID : 81616112716  
 Status : Answered  
 Chosen Option : 3

Q.13 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

m\_tq\_ml\_qrm\_tq\_m\_t\_r

- Ans ☒ 1. l, r, t, l, r, l, q  
☒ 2. l, l, q, r, l, r, t  
☒ 3. l, q, r, l, l, r, t  
☒ 4. l, t, r, l, l, r, q

Question ID : 81616112715  
 Status : Answered  
 Chosen Option : 1

Q.14 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

7 35 13  
 9 24 14  
 13 120 ?

- Ans ☒ 1. 26  
☒ 2. 28  
☒ 3. 24  
☒ 4. 20

Question ID : 81616113529  
 Status : Not Answered  
 Chosen Option : --

Q.15 In a certain code language, 'PRIVATE' is coded as '93236441540' and 'SHORTEN' is coded as '1615383652840'. How will 'REFUSAL' be coded in that language?

- Ans ☒ 1. 563642112438  
☒ 2. 512362112438  
☒ 3. 521361212438  
☒ 4. 561842212219

Question ID : 81616113421  
 Status : Not Answered  
 Chosen Option : --

Q.16 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

DVG, ITM, NRS, SPY,?

- Ans
- ☒ 1. WOE
  - ☒ 2. WNF
  - ☒ 3. XNE
  - ☒ 4. XOF

Question ID : 81616112707

Status : Answered

Chosen Option : 3

Q.17 Select the option that is related to the third word in the same way as the second word is related to the first word.

Elated : Dejected :: Alleviate : ?

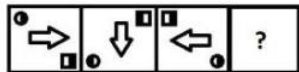
- Ans
- ☒ 1. Allay
  - ☒ 2. Aggravate
  - ☒ 3. Quiet
  - ☒ 4. Relieve

Question ID : 81616112206

Status : Answered

Chosen Option : 2

Q.18 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans

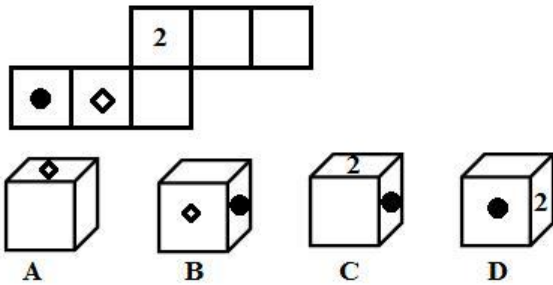
- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 81616112220

Status : Answered

Chosen Option : 3

Q.19 Select the cube(s) that can be formed by folding the given sheet along the lines.



- Ans
- ☒ 1. Only A
  - ☒ 2. All A, B, C and D
  - ☒ 3. Only A, B and C
  - ☒ 4. Only B and D

Question ID : 81616113434

Status : Answered

Chosen Option : 2

Q.20 Select the number from among the given options that can replace the question mark (?) in the following series.

18, 3, 36, 6, 54, 9, ?

- Ans
- ☒ 1. 89
  - ☒ 2. 90
  - ☒ 3. 12
  - ☒ 4. 72

Question ID : 81616112213

Status : Answered

Chosen Option : 4

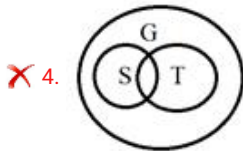
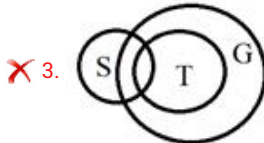
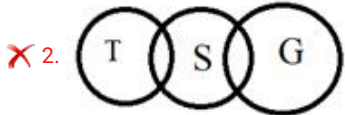
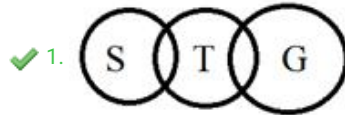
**Q.21** Read the given statements disregarding commonly known facts and then from the following four options, identify the Venn diagram that correctly represents the statements.

**Statements:**

Some stools (S) are tumblers(T)

Some tumblers (T) are grinders(G)

**Ans**



Question ID : 81616113539

Status : Answered

Chosen Option : 1

**Q.22** Select the correct combination of mathematical signs that can sequentially replace the \* signs and balance the equation.

$$221 * 17 * 12 * 130 * 24 * 50$$

**Ans**

✗ 1.  $\times, \div, -, +, =$

✗ 2.  $\div, \times, -, =, +$

✓ 3.  $\div, \times, -, +, =$

✗ 4.  $\div, -, \times, =, +$

Question ID : 81616113430

Status : Answered

Chosen Option : 3

**Q.23** Alekhya was born one year after her mother's marriage. Her father is two years elder than her mother but twenty five years older than Alekhya, who is six years old. At what age did the mother get married?

**Ans**

✓ 1. 22 years

✗ 2. 31 years

✗ 3. 25 years

✗ 4. 21 years

Question ID : 81616112724

Status : Answered

Chosen Option : 1

Q.24 In a certain code language, 'INERTIA' is written as 'RGVKGBZ'. How will 'FLOWER' be written in that language?

- Ans
- ☒ 1. VEMPUL
  - ☒ 2. UELPVK
  - ☒ 3. ULEVPK
  - ☒ 4. EVPMUL

Question ID : 81616113521

Status : Answered

Chosen Option : 2

Q.25 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. GDAW
  - ☒ 2. PMJG
  - ☒ 3. SPMJ
  - ☒ 4. CZWT

Question ID : 81616112204

Status : Answered

Chosen Option : 1

Section : General Awareness

Q.1 Which Indian has the record of maximum catches as a non-wicketkeeper in men's cricket test matches till February 2021?

- Ans
- ☒ 1. Mohammad Azharuddin
  - ☒ 2. Rahul Dravid
  - ☒ 3. Ajay Jadeja
  - ☒ 4. Saurav Ganguly

Question ID : 81616112247

Status : Answered

Chosen Option : 3

Q.2 Who among the following is the author of the book 'Abode of Love'?

- Ans
- ☒ 1. Manmohan Singh
  - ☒ 2. APJ Abdul Kalam
  - ☒ 3. Narendra Modi
  - ☒ 4. Shankar Dayal Sharma

Question ID : 81616112243

Status : Answered

Chosen Option : 4

Q.3 Kala-azar disease is caused by \_\_\_\_.

- Ans ☒ 1. bacteria  
☒ 2. protozoa  
☒ 3. fungi  
☒ 4. viruses

Question ID : 81616113544  
Status : Answered  
Chosen Option : 2

Q.4 Which of the following states does the capital of India, Delhi share its border with?

- Ans ☒ 1. Punjab  
☒ 2. Haryana  
☒ 3. Himachal Pradesh  
☒ 4. Rajasthan

Question ID : 81616112742  
Status : Answered  
Chosen Option : 2

Q.5 Which of the following Indian banks launched contactless wearable payment devices called 'Wear N Pay' in March 2021?

- Ans ☒ 1. HDFC Bank  
☒ 2. Axis Bank  
☒ 3. Indus Ind Bank  
☒ 4. ICICI Bank

Question ID : 81616113442  
Status : Not Answered  
Chosen Option : --

Q.6 With which of the following states is the 'Sao Joao' festival associated?

- Ans ☒ 1. Karnataka  
☒ 2. Kerala  
☒ 3. Tamil Nadu  
☒ 4. Goa

Question ID : 81616113440  
Status : Answered  
Chosen Option : 4

Q.7 Glucagon, a peptide hormone, is produced by the \_\_\_\_.

- Ans ☒ 1. hypothalamus  
☒ 2. pituitary glands  
☒ 3. pancreas  
☒ 4. adrenals

Question ID : 81616112740  
Status : Not Answered  
Chosen Option : --

Q.8 Who among the following published a set of Ashokan inscriptions in the year 1877?

- Ans ☒ 1. DC Sircar  
☒ 2. Alexander Cunningham  
☒ 3. MS Vats  
☒ 4. Colin Mackenzie

Question ID : 81616113555  
Status : Not Answered  
Chosen Option : --

Q.9 A fuse protects an electric circuit from:

- Ans ☒ 1. converting one form of energy into other  
☒ 2. inducing current  
☒ 3. overloading  
☒ 4. carrying current

Question ID : 81616113547  
Status : Answered  
Chosen Option : 3

Q.10 India participated in the Petersberg Climate Dialogue 2020 hosted virtually by \_\_\_\_\_.

- Ans ☒ 1. Germany  
☒ 2. The US  
☒ 3. The UK  
☒ 4. France

Question ID : 81616112755  
Status : Answered  
Chosen Option : 1

Q.11 Which of the following is a State party as of February 2021?

- Ans ☒ 1. Bahujan Samaj Party  
☒ 2. Aam Aadmi Party  
☒ 3. Communist Party of India  
☒ 4. Trinamool Congress

Question ID : 81616112751  
Status : Answered  
Chosen Option : 2

Q.12 Which of the following is a characteristic of human wants in terms of economics?

- Ans ☒ 1. Wants are satiable.  
☒ 2. Wants are not competitive.  
☒ 3. Wants are limited.  
☒ 4. Wants do not become habits.

Question ID : 81616112734  
Status : Answered  
Chosen Option : 1

Q.13 Which of the following states will have India's first lithium-ion battery manufacturing plant, expected to become operational by 2021?

- Ans
- ☒ 1. Maharashtra
  - ☒ 2. Karnataka
  - ☒ 3. Kerala
  - ☒ 4. Gujarat

Question ID : 81616112251

Status : Answered

Chosen Option : 4

Q.14 Which of the following Amendment Acts of the Constitution of India conferred statehood to Goa and formed a new union territory comprising of Daman and Diu?

- Ans
- ☒ 1. 56th Amendment Act
  - ☒ 2. 23rd Amendment Act
  - ☒ 3. 67th Amendment Act
  - ☒ 4. 45th Amendment Act

Question ID : 81616113457

Status : Answered

Chosen Option : 2

Q.15 Who among the following was the first Indian to win a seat in the House of Commons?

- Ans
- ☒ 1. Dadabhai Naoroji
  - ☒ 2. WC Bonnerjee
  - ☒ 3. Hasrat Mohani
  - ☒ 4. MN Roy

Question ID : 81616112746

Status : Answered

Chosen Option : 1

Q.16 Which of the following states became the first state to provide a tap water connection to every rural household in October 2020?

- Ans
- ☒ 1. Bihar
  - ☒ 2. Goa
  - ☒ 3. West Bengal
  - ☒ 4. Sikkim

Question ID : 81616113445

Status : Answered

Chosen Option : 1



Q.17 Nathu La Pass connects India with which of its neighbouring countries?

- Ans
- ☐ 1. Bangladesh
  - ☐ 2. Bhutan
  - ☐ 3. Nepal
  - ☒ 4. China

Question ID : 81616113448  
Status : Answered  
Chosen Option : 4

Q.18 Who among the following won the men's singles title at the Toyota Thailand Open badminton tournament in January 2021?

- Ans
- ☐ 1. Kidambi Srikanth
  - ☐ 2. Rasmus Gemke
  - ☒ 3. Viktor Axelsen
  - ☐ 4. Hans-Kristian Solberg Vittinghus

Question ID : 81616113561  
Status : Answered  
Chosen Option : 3

Q.19 In which of the following years was the Asiatic Society at Calcutta (Kolkata) founded by Sir William Jones?

- Ans
- ☐ 1. 1820
  - ☐ 2. 1800
  - ☒ 3. 1784
  - ☐ 4. 1767

Question ID : 81616113452  
Status : Answered  
Chosen Option : 3

Q.20 Who among the following was one of the leaders of the Santhal rebellion?

- Ans
- ☒ 1. Sidhu Manjhi
  - ☐ 2. BR Ambedkar
  - ☐ 3. Surya Sen
  - ☐ 4. Swami Vivekanand

Question ID : 81616113552  
Status : Answered  
Chosen Option : 1

Q.21 In which Indian state will you find the Kathiawar peninsula?

- Ans ☒ 1. Maharashtra  
☒ 2. Mizoram  
☒ 3. Gujarat  
☒ 4. Rajasthan

Question ID : **81616112238**  
Status : **Not Answered**  
Chosen Option : --

Q.22 In which of the following states are the Son Bhandar Caves located?

- Ans ☒ 1. Odisha  
☒ 2. Uttar Pradesh  
☒ 3. Assam  
☒ 4. Bihar

Question ID : **81616113540**  
Status : **Not Answered**  
Chosen Option : --

Q.23 Who among the following is the author of the book 'Inglorious Empire: What the British Did to India'?

- Ans ☒ 1. Ramchandra Guha  
☒ 2. VS Naipaul  
☒ 3. Ashwin Sanghi  
☒ 4. Shashi Tharoor

Question ID : **81616112749**  
Status : **Answered**  
Chosen Option : 4

Q.24 Collagen is a type of \_\_\_\_.

- Ans ☒ 1. fat  
☒ 2. vitamin  
☒ 3. protein  
☒ 4. carbohydrate

Question ID : **81616112232**  
Status : **Answered**  
Chosen Option : 3

**Q.25** Who among the following became India's youngest ever mayor in December 2020? The 21-year-old is currently serving as the mayor of Thiruvananthapuram Corporation.

- Ans ☒ 1. Mira Aggarwal  
☒ 2. Arya Rajendran  
☒ 3. Chhavi Rajawat  
☒ 4. Rajni Abbi

Question ID : 81616112249

Status : Answered

Chosen Option : 2

Section : Quantitative Aptitude

**Q.1** What is the sum of the digits of the largest five digit number which is divisible by 5, 35, 39 and 65?

- Ans ☒ 1. 30  
☒ 2. 33  
☒ 3. 27  
☒ 4. 35

Question ID : 81616113464

Status : Answered

Chosen Option : 2

**Q.2** Study the following table and answer the question:

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

Subjects Students	A (Out of 75)	B (Out of 80)	C (Out of 100)	D (Out of 50)	E (Out of 150)
Manju	68	85	86	72	92
Amit	64	65	80	96	80
Rekha	88	75	65	74	90
Anuj	80	55	68	66	84
Abhi	72	65	72	54	74
Vikram	60	70	73	84	86

The total marks obtained by Anuj in all the five subjects are ?

- Ans ☒ 1. 331  
☒ 2. 324  
☒ 3. 303  
☒ 4. 328

Question ID : 81616113890

Status : Answered

Chosen Option : 1

**Q.3** Points P and Q are on the sides AB and BC respectively of a triangle ABC, right angled at B. If  $AQ = 11$  cm,  $PC = 8$  cm, and  $AC = 13$  cm, then find the length (in cm) of PQ.

- Ans
- ☒ 1.  $\sqrt{15}$
  - ☒ 2. 4.5
  - ☒ 3. 4
  - ☒ 4.  $4\sqrt{7}$

Question ID : 81616112774

Status : Not Answered

Chosen Option : --

**Q.4** A shopkeeper sold two items. The selling price of the first item equals the cost price of the second item. He sold the first item at a profit of 20% and the second item at a loss of 10%. What is his overall profit/ loss percent?

- Ans
- ☒ 1. Profit,  $3\frac{7}{11}\%$
  - ☒ 2. Loss,  $4\frac{6}{11}\%$
  - ☒ 3. Profit,  $4\frac{7}{11}\%$
  - ☒ 4. Loss,  $8\frac{1}{3}\%$

Question ID : 81616112257

Status : Answered

Chosen Option : 1

**Q.5** What price (in ₹) should Radha mark on a bag which costs ₹1680 so as to earn a profit of 25% after allowing a discount of 16% on the marked price?

- Ans
- ☒ 1. 2800
  - ☒ 2. 2000
  - ☒ 3. 2100
  - ☒ 4. 2500

Question ID : 81616113568

Status : Answered

Chosen Option : 4

**Q.6** If  $\frac{x}{y} + \frac{y}{x} = 2$ , ( $x, y \neq 0$ ), then the value of  $(x - y)$  is :

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

Question ID : 81616112263

Status : Answered

Chosen Option : 2

- Q.7** The data given in the table shows the number of students studying in 4 different disciplines in 5 institutes. Study the table and answer the question:

Institutes	Arts	Science	Commerce	Computer Science
A	36	48	59	57
B	45	54	55	48
C	55	36	56	51
D	45	48	55	53
E	48	44	52	55

What is the ratio of number of students studying Science in institutes C and D taken together to the number of students studying Computer Science in institutes A and E taken together?

- Ans
- ☒ 1. 41 : 56
  - ☒ 2. 43 : 56
  - ☒ 3. 42 : 55
  - ☒ 4. 3 : 4

Question ID : 81616112882  
Status : Answered  
Chosen Option : 1

- Q.8** Points A, D, C, B and E are concyclic. If  $\angle AEC = 50^\circ$  and  $\angle ABD = 30^\circ$ , then what is the measure (in degrees) of  $\angle CBD$ ?

- Ans
- ☒ 1. 20
  - ☒ 2. 10
  - ☒ 3. 15
  - ☒ 4. 30

Question ID : 81616112771  
Status : Not Answered  
Chosen Option : --

- Q.9** If  $2\cos^2\theta - 5\cos\theta + 2 = 0$ ,  $0^\circ < \theta < 90^\circ$ , then the value of  $(\sec\theta + \tan\theta)$  is:

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

Question ID : 81616113282  
Status : Answered  
Chosen Option : 1

**Q.10** If  $(56\sqrt{7}x^3 - 2\sqrt{2}y^3) \div (2\sqrt{7}x - \sqrt{2}y) = Ax^2 + By^2 - Cxy$ , then find the value of  $A + B - \sqrt{14}C$ .

- Ans
- ☒ 1. 38
  - ☐ 2. 10
  - ☐ 3. 19
  - ☒ 4. 58

Question ID : 81616113477

Status : Answered

Chosen Option : 4

**Q.11** The volume of a wall whose height is 10 times its width and whose length is 8 times its height is  $51.2 \text{ m}^3$ . What is the cost (in ₹) of painting the wall on one side at the rate of ₹100/ $\text{m}^2$ ?

- Ans
- ☒ 1. 12800
  - ☐ 2. 12750
  - ☐ 3. 12250
  - ☐ 4. 12500

Question ID : 81616112767

Status : Not Answered

Chosen Option : --

**Q.12** The ratio of monthly incomes of A and B is 4 : 5 and that of their monthly expenditures is 3 : 8. If the income of A is equal to the expenditure of B, then what is the ratio of savings of A and B?

- Ans
- ☐ 1. 3 : 8
  - ☐ 2. 2 : 5
  - ☐ 3. 8 : 3
  - ☒ 4. 5 : 2

Question ID : 81616113571

Status : Answered

Chosen Option : 4

**Q.13** Two pipes A and B can fill an empty tank in 10 hours and 16 hours respectively. They are opened alternately for 1 hour each, opening pipe B first. In how many hours, will the empty tank be filled?

- Ans
- ☐ 1.  $14\frac{2}{5}$
  - ☐ 2.  $16\frac{2}{5}$
  - ☐ 3.  $10\frac{2}{5}$
  - ☒ 4.  $12\frac{2}{5}$

Question ID : 81616113472

Status : Answered

Chosen Option : 4

Q.14 If  $\cot \theta = \frac{15}{8}$ ,  $\theta$  is an acute angle, then find the value of  $\frac{(1-\cos \theta)(2+2\cos \theta)}{(2-2\sin \theta)(1+\sin \theta)}$ .

- Ans
- ☒ 1.  $\frac{225}{64}$
- ☒ 2.  $\frac{64}{225}$
- ☒ 3.  $\frac{16}{15}$
- ☒ 4.  $\frac{8}{15}$

Question ID : 81616112474

Status : Answered

Chosen Option : 2

Q.15 The present population of a village is 15280. If the number of males increases by 25% and the number of females increases by 15%, then the population will become 18428. The difference between present population of males and females in the village is:

- Ans
- ☒ 1. 1840
- ☒ 2. 920
- ☒ 3. 2760
- ☒ 4. 1380

Question ID : 81616113468

Status : Answered

Chosen Option : 1

Q.16 Study the following table and answer the question:  
Percentage of marks obtained by six students in five subjects A, B, C, D & E.

Subjects	A	B	C	D	E
Students	(Out of 75)	(Out of 80)	(Out of 100)	(Out of 50)	(Out of 150)
Manju	68	85	86	72	92
Amit	64	65	80	96	80
Rekha	88	75	65	74	90
Anuj	80	55	68	66	84
Abhi	72	65	72	54	74
Vikram	60	70	73	84	86

The total marks obtained by Amit in subjects A, B and C is what percent less than the total marks obtained by Vikram in subjects B, C, D and E?

- Ans
- ☒ 1. 42
- ☒ 2. 35
- ☒ 3. 40
- ☒ 4. 38

Question ID : 81616113892

Status : Not Answered

Chosen Option : --

Q.17 Simplify the following expression:

$$15 \div 3 \text{ of } 2 \times 4 + 9 \div 18 \text{ of } 2 \times 3 - 4 \div 8 \times 2$$

Ans

✗ 1.  $12\frac{3}{4}$

✗ 2.  $39\frac{3}{4}$

✗ 3.  $42\frac{3}{4}$

✓ 4.  $9\frac{3}{4}$

Question ID : 81616112253

Status : Answered

Chosen Option : 4

Q.18 The table shows the daily income (in ₹) of 50 persons.

Study the table and answer the question:

Income (₹)	No. of persons
less than 200	12
less than 250	26
less than 300	34
less than 350	40
less than 400	50

What is the percentage of persons earning ₹250 or more?

Ans

✗ 1. 52

✗ 2. 68

✗ 3. 32

✓ 4. 48

Question ID : 81616112880

Status : Answered

Chosen Option : 4



Q.19 If  $\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{7}$ , then the value of  $x^2 + \frac{1}{x^2}$  is:

- Ans
- ☒ 1. 81
  - ☒ 2. 60
  - ☒ 3. 79
  - ☒ 4. 75

Question ID : 81616113577

Status : Answered

Chosen Option : 3

Q.20 If  $\cos(2\theta + 54^\circ) = \sin\theta$ ,  $0^\circ < (2\theta + 54^\circ) < 90^\circ$ , then what is the value of  $\frac{1}{\cot 5\theta + \sec \frac{5\theta}{2}}$ ?

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

Question ID : 81616113482

Status : Answered

Chosen Option : 3

Q.21 The angles of a triangle are in AP (arithmetic progression). If measure of the smallest angle is  $50^\circ$  less than that of the largest angle, then find the largest angle (in degrees).

- Ans
- ☒ 1. 90
  - ☒ 2. 85
  - ☒ 3. 80
  - ☒ 4. 75

Question ID : 81616112268

Status : Answered

Chosen Option : 2

Q.22 The average monthly salary of 60 employees of a factory is ₹29900. If two officers are getting ₹90000 each and the average salary of 8 supervisors is ₹65000, then what is the average salary (in ₹) of the remaining employees?

- Ans
- ☒ 1. 22680
  - ☒ 2. 29080
  - ☒ 3. 21080
  - ☒ 4. 21880

Question ID : 81616112759

Status : Answered

Chosen Option : 4

**Q.23** Two circles of radii 18 cm and 16 cm intersect each other and the length of their common chord is 20 cm. What is the distance (in cm) between their centres?

- Ans
- ☒ 1.  $4\sqrt{14} - 2\sqrt{39}$
  - ☒ 2.  $4\sqrt{10} - 2\sqrt{39}$
  - ☒ 3.  $4\sqrt{10} + 2\sqrt{39}$
  - ☒ 4.  $4\sqrt{14} + 2\sqrt{39}$

Question ID : **81616113479**  
 Status : **Not Answered**  
 Chosen Option : --

**Q.24** The interest (in ₹) to be paid on a sum of ₹30000 at 15% p.a. after  $2\frac{2}{3}$  years, if interest compounded yearly, is:

- Ans
- ☒ 1. 14362.50
  - ☒ 2. 12364.50
  - ☒ 3. 16342.50
  - ☒ 4. 13642.50

Question ID : **81616113471**  
 Status : **Answered**  
 Chosen Option : 4

**Q.25** A boat can go 5 km upstream and  $7\frac{1}{2}$  km downstream in 45 minutes. It can also go 5 km downstream and 2.5 km upstream in 25 minutes. How much time (in minutes) will it take to go 6 km downstream?

- Ans
- ☒ 1. 10
  - ☒ 2. 12
  - ☒ 3. 15
  - ☒ 4. 20

Question ID : **81616113574**  
 Status : **Answered**  
 Chosen Option : 2

#### Section : English Comprehension

**Q.1** Select the option that can be used as a one-word substitute for the given group of words.

A person preoccupied with an unrealistically optimistic approach to life

- Ans
- ☒ 1. Pragmatic
  - ☒ 2. Practical
  - ☒ 3. Rational
  - ☒ 4. Quixotic

Question ID : **81616113510**  
 Status : **Answered**  
 Chosen Option : 4

Q.2 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. He was in the habit of stealing food from others.
- B. One night, the villagers decided to teach him a lesson and kept only rotten food in their kitchen.
- C. The culprit ended up eating the rotten food and fell sick.
- D. Once upon a time, there lived a man in a village.

Ans ☒ 1. DABC

☒ 2. ABDC

☒ 3. ACDB

☒ 4. BACD

Question ID : 81616112289

Status : Answered

Chosen Option : 1

Q.3 Select the most appropriate synonym of the given word.

Commence

Ans ☒ 1. Start

☒ 2. Shoot

☒ 3. Stand

☒ 4. Stop

Question ID : 81616112796

Status : Answered

Chosen Option : 1

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

Researchers have found that 16 facial expressions \_\_\_\_\_ universally in similar contexts across 12 world regions.

Ans ☒ 1. occur

☒ 2. strike

☒ 3. transpire

☒ 4. befall

Question ID : 81616113513

Status : Answered

Chosen Option : 1

Q.5 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

Sunil have been working as a personal assistant to the Director for two years.

Ans ☒ 1. is working

☒ 2. has been worked

☒ 3. No substitution

☒ 4. has been working

Question ID : 81616113493

Status : Answered

Chosen Option : 2

Q.6 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Drought
  - ☒ 2. Doubt
  - ☒ 3. Dental
  - ☒ 4. Dictionary

Question ID : 81616112299  
Status : Answered  
Chosen Option : 4

Q.7 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Adequate
  - ☒ 2. Adamant
  - ☒ 3. Adviseable
  - ☒ 4. Alternate

Question ID : 81616112300  
Status : Answered  
Chosen Option : 3

Q.8 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

The herd are grazing in the fields far away from the farmer's hut.

- Ans
- ☒ 1. No substitution
  - ☒ 2. The herd has grazing
  - ☒ 3. The herd is grazing
  - ☒ 4. The herd is grazed

Question ID : 81616112787  
Status : Answered  
Chosen Option : 3

Q.9 Select the most appropriate meaning of the following idiom.

To pay lip service

- Ans
- ☒ 1. To be insincere
  - ☒ 2. To make loud statements
  - ☒ 3. To talk out of turn
  - ☒ 4. To ask for permission

Question ID : 81616113609  
Status : Answered  
Chosen Option : 1

Q.10 Select the option that can be used as a one-word substitute for the given group of words.

One who supervises in an examination hall

- Ans ☒ 1. Verifier  
☒ 2. Invigilator  
☒ 3. Inspector  
☒ 4. Manager

Question ID : 81616113509

Status : Answered

Chosen Option : 2

Q.11 Select the most appropriate synonym of the given word.

Principle

- Ans ☒ 1. Concrete  
☒ 2. Headmaster  
☒ 3. Leader  
☒ 4. Axiom

Question ID : 81616112797

Status : Marked For Review

Chosen Option : 3

Q.12 Select the most appropriate meaning of the following idiom.

To get the ball rolling

- Ans ☒ 1. To play a ball game well  
☒ 2. To begin a process  
☒ 3. To match an opponent  
☒ 4. To keep working until late

Question ID : 81616113608

Status : Answered

Chosen Option : 2

Q.13 Select the option that expresses the given sentence in indirect speech.

Kamal said, "I have done my work."

- Ans ☒ 1. Kamal said that I have done my work.  
☒ 2. Kamal said I have done my work.  
☒ 3. Kamal said that he has done his work.  
☒ 4. Kamal said that he had done his work.

Question ID : 81616112785

Status : Answered

Chosen Option : 4

Q.14 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. Indeed, polymers such as regenerated cellulose, which have become familiar household materials under the trade names rayon and nylon, are also made into numerous non-fibre products, ranging from cellophane envelope windows to clear plastic soft-drink bottles.  
B. The chemical compounds from which man-made fibres are produced are known as polymers, a class of compounds characterised by long, chain-like molecules of great size and molecular weight.  
C. As fibres, these materials are prized for their strength, toughness, resistance to heat and mildew, and ability to hold a pressed form.  
D. Many of the polymers that constitute man-made fibres are the same as or similar to compounds that make up plastics, rubbers, adhesives and surface coatings.

Ans ☒ 1. BDAC

☒ 2. BCDA

☒ 3. ACDB

☒ 4. CBAD

Question ID : 81616113603

Status : Answered

Chosen Option : 2

Q.15 Select the most appropriate ANTONYM of the given word.

Censure

Ans ☒ 1. Fault

☒ 2. Applause

☒ 3. Blunder

☒ 4. Contempt

Question ID : 81616113607

Status : Answered

Chosen Option : 2

Q.16 Select the most appropriate option to fill in the blank.

The cabinet has \_\_\_\_\_ a proposal to change the way universities are funded and managed.

Ans ☒ 1. endorsed

☒ 2. endeared

☒ 3. evaporated

☒ 4. endangered

Question ID : 81616112807

Status : Answered

Chosen Option : 1

Q.17 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If there is no error, select 'No error' as your answer.

My brother / who live in Pune / is arriving tomorrow.

- Ans
- ☒ 1. No error
  - ☒ 2. is arriving tomorrow
  - ☒ 3. who live in Pune
  - ☒ 4. My brother

Question ID : 81616113590

Status : Answered

Chosen Option : 3

Q.18 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.

At the last meeting / which took place in November, / half the members submitted / their resignations on protest.

- Ans
- ☒ 1. which took place in November
  - ☒ 2. their resignations on protest
  - ☒ 3. At the last meeting
  - ☒ 4. half the members submitted

Question ID : 81616113490

Status : Answered

Chosen Option : 2

Q.19 Select the most appropriate ANTONYM of the given word.

Triumph

- Ans
- ☒ 1. Pride
  - ☒ 2. Celebration
  - ☒ 3. Joy
  - ☒ 4. Failure

Question ID : 81616112293

Status : Answered

Chosen Option : 4

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

Shiva wrote a letter to the head of the HR Department in response to the advertisement.

- Ans
- ☒ 1. A letter was written by Shiva to the head of the HR department in response to the advertisement.
  - ☒ 2. A letter had been written by Shiva to the head of the HR department in response to the advertisement.
  - ☒ 3. A letter was written by the head of the HR department to Shiva in response to the advertisement.
  - ☒ 4. A letter was wrote by Shiva to the head of the HR department in response to the advertisement.

Question ID : 81616113491

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 number.

English vocabulary has (1)\_\_\_\_\_ remarkable range, flexibility and adaptability. Thanks to the periods (2)\_\_\_\_\_ contact with foreign (3)\_\_\_\_\_ and its readiness to (4)\_\_\_\_\_ new words out of old elements, English seems to have far more words in its core (5)\_\_\_\_\_ than other languages.

**SubQuestion No : 21**

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

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

Question ID : 81616112284

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 number.

English vocabulary has (1)\_\_\_\_\_ remarkable range, flexibility and adaptability. Thanks to the periods (2)\_\_\_\_\_ contact with foreign (3)\_\_\_\_\_ and its readiness to (4)\_\_\_\_\_ new words out of old elements, English seems to have far more words in its core (5)\_\_\_\_\_ than other languages.

**SubQuestion No : 22**

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

- Ans    ☐ 1. at  
         ☒ 2. of  
         ☐ 3. on  
         ☐ 4. to

Question ID : 81616112285

Status : Answered

Chosen Option : 2



**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 number.

English vocabulary has (1)\_\_\_\_\_ remarkable range, flexibility and adaptability. Thanks to the periods (2)\_\_\_\_\_ contact with foreign (3)\_\_\_\_\_ and its readiness to (4)\_\_\_\_\_ new words out of old elements, English seems to have far more words in its core (5)\_\_\_\_\_ than other languages.

**SubQuestion No : 23**

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

Ans ☒ 1. languages

☐ 2. currencies

☐ 3. mathematics

☐ 4. science

Question ID : 81616112286

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 number.

English vocabulary has (1)\_\_\_\_\_ remarkable range, flexibility and adaptability. Thanks to the periods (2)\_\_\_\_\_ contact with foreign (3)\_\_\_\_\_ and its readiness to (4)\_\_\_\_\_ new words out of old elements, English seems to have far more words in its core (5)\_\_\_\_\_ than other languages.

**SubQuestion No : 24**

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

Ans ☒ 1. coin

☐ 2. think

☐ 3. shed

☐ 4. discard

Question ID : 81616112287

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 number.

English vocabulary has (1)\_\_\_\_\_ remarkable range, flexibility and adaptability. Thanks to the periods (2)\_\_\_\_\_ contact with foreign (3)\_\_\_\_\_ and its readiness to (4)\_\_\_\_\_ new words out of old elements, English seems to have far more words in its core (5)\_\_\_\_\_ than other languages.

**SubQuestion No : 25**

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

- Ans**
- ☒ 1. selection
  - ☒ 2. inventory
  - ☒ 3. catalogue
  - ☒ 4. vocabulary

Question ID : **81616112288**

Status : **Answered**

Chosen Option : **4**

## Combined Graduate Level Examination 2020 Tier-I

Roll Number	www.exammix.com
Candidate Name	
Venue Name	
Exam Date	20/08/2021
Exam Time	3:00 PM - 4:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

### Section : General Intelligence and Reasoning

Q.1 Select the option in which the given figure is embedded (rotation is NOT allowed).



Ans

✗ 1.



✗ 2.



✗ 3.



✓ 4.



Question ID : 81616113940

Status : Answered

Chosen Option : 4

Q.2 In a certain code language, 'INHALE' is written as 'CNYJLK'. How will 'GUILTY' be written in that language?

Ans

✗ 1. ARNGWE

✓ 2. WVJKSI

✗ 3. IJKSVW

✗ 4. WRNKSE

Question ID : 81616113218

Status : Answered

Chosen Option : 2

Q.3 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(3, 2, 3)

- Ans ☒ 1. (7, 44, 66)  
☒ 2. (4, 9, 12)  
☒ 3. (12, 136, 204)  
☒ 4. (5, 18, 27)

Question ID : 81616113126

Status : Not Answered

Chosen Option : --

Q.4 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. LNQ  
☒ 2. SUX  
☒ 3. JLP  
☒ 4. CEH

Question ID : 81616112507

Status : Answered

Chosen Option : 3

Q.5 Select the option that is related to the third number in the same way as the second number is related to the first number.

14 : 112 :: 18 : ?

- Ans ☒ 1. 183  
☒ 2. 181  
☒ 3. 180  
☒ 4. 184

Question ID : 81616113224

Status : Answered

Chosen Option : 3

Q.6 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

- Ans ☒ 1. Euro  
☒ 2. Loti  
☒ 3. Pint  
☒ 4. Naira

Question ID : 81616113114

Status : Answered

Chosen Option : 1

Q.7 Select the option in which the words share the same relationship as that shared by the given pair of words.

Electricity : Television

- Ans ☒ 1. Diesel : Fuel  
☒ 2. Petrol : Car  
☒ 3. Temperature : Refrigerator  
☒ 4. Crops : Farmer

Question ID : 81616113924

Status : Answered

Chosen Option : 2

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

13, 26, 52, 104, ?

- Ans ☒ 1. 208  
☒ 2. 230  
☒ 3. 152  
☒ 4. 196

Question ID : 81616112516

Status : Answered

Chosen Option : 1

Q.9 Four friends, Priya, Kavya, Gaurvi and Shalini, have different amounts of money with them. If Priya takes ₹88 from Kavya, then she will have an amount equal to what Gaurvi has. Shalini and Kavya together have a total of ₹550. If Gaurvi takes ₹25 from Shalini, she will have an amount equal to what Kavya has. If the total amount with Shalini, Kavya and Gaurvi is ₹840, how much money does Priya have?

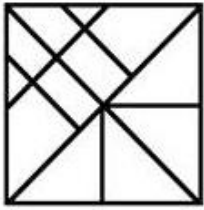
- Ans ☒ 1. ₹224  
☒ 2. ₹315  
☒ 3. ₹280  
☒ 4. ₹202

Question ID : 81616113936

Status : Not Answered

Chosen Option : --

Q.10 Find the number of triangles in the given figure.



- Ans
- ☒ 1. 17
  - ☒ 2. 19
  - ☒ 3. 21
  - ☒ 4. 23

Question ID : 81616113130

Status : Answered

Chosen Option : 2

Q.11 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

3 6 8  
5 32 60  
18 ? 238

- Ans
- ☒ 1. 122
  - ☒ 2. 124
  - ☒ 3. 126
  - ☒ 4. 128

Question ID : 81616113226

Status : Not Answered

Chosen Option : --

Q.12 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Illegitimate
2. Illegality
3. Illuminate
4. Illiterate
5. Illegible

- Ans
- ☒ 1. 1, 2, 3, 4, 5
  - ☒ 2. 3, 5, 2, 4, 1
  - ☒ 3. 2, 5, 1, 4, 3
  - ☒ 4. 3, 5, 1, 2, 4

Question ID : 81616112506

Status : Answered

Chosen Option : 3

Q.13 Pointing towards Sumit, Anuj said, "He is my mother's father's son's brother's son". If Vinita who is married to Kartik, is the mother of Anuj, then how is Vinita related to Sumit?

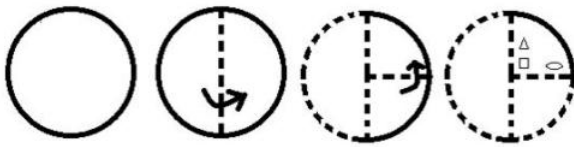
- Ans ☒ 1. Father's sister  
☒ 2. Mother  
☒ 3. Mother's sister  
☒ 4. Sister

Question ID : 81616113928

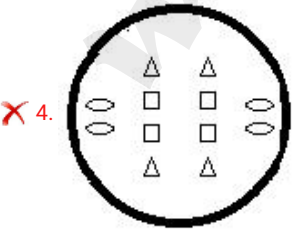
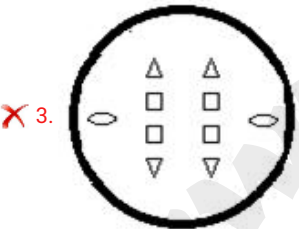
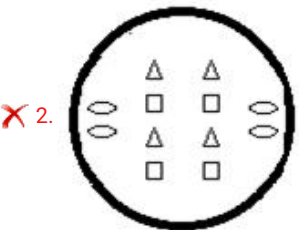
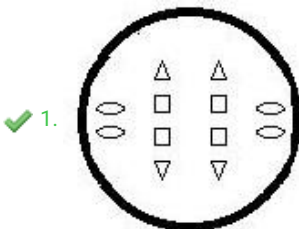
Status : Answered

Chosen Option : 1

Q.14 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



Question ID : 81616113942

Status : Answered

Chosen Option : 1

Q.15 Select the option that is related to the third word in the same way as the second word is related to the first word.

Hen : Rooster :: Duck : ?

- Ans
- ☒ 1. Monk
  - ☒ 2. Stag
  - ☒ 3. Drake
  - ☒ 4. Drone

Question ID : 81616112509

Status : Not Answered

Chosen Option : --

Q.16 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

H G J Y T E K

M  
|  
N

- Ans
- ☒ 1. K E T Y J G H
  - ☒ 2. K E T Y J G H
  - ☒ 3. K E T Y J G H
  - ☒ 4. K E T Y J G H

Question ID : 81616113941

Status : Answered

Chosen Option : 1

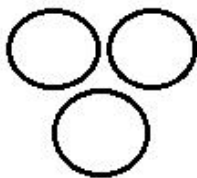


Q.17 Select the Venn diagram that best illustrates the relationship among the following classes.

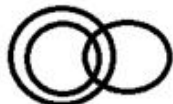
Highlighter, Stationary, Eraser

Ans

✗ 1.



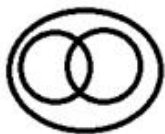
✗ 2.



✓ 3.



✗ 4.



Question ID : 81616113236

Status : Answered

Chosen Option : 3

Q.18 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. 54 : 152

✗ 2. 82 : 236

✗ 3. 36 : 98

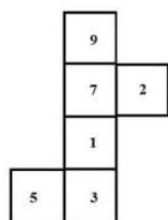
✓ 4. 68 : 196

Question ID : 81616113124

Status : Not Answered

Chosen Option : --

**Q.19** A cube is made by folding the given sheet. In the cube so formed, what would be the number on the face opposite the face showing the number '3'?



- Ans
- ☒ 1. 5
  - ☒ 2. 1
  - ☒ 3. 7
  - ☒ 4. 9

Question ID : 81616113131

Status : Answered

Chosen Option : 3

**Q.20** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

CUPBOARD, DVPBOARD, DVQCOARD, ?, DVQCPBSE

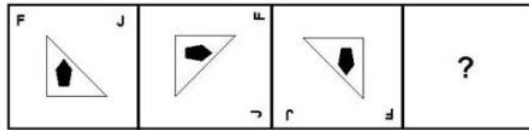
- Ans
- ☒ 1. DVQCPBRD
  - ☒ 2. DVQCPBSD
  - ☒ 3. DVQCOASE
  - ☒ 4. DVPBPBRD

Question ID : 81616113919

Status : Answered

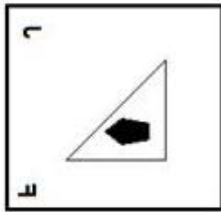
Chosen Option : 1

Q.21 Select the figure from among the given options that can replace the question mark (?) in the following series.

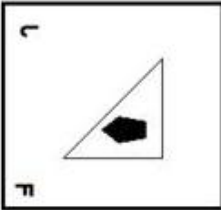


Ans

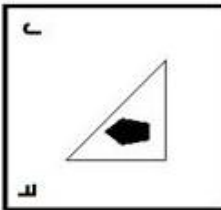
✗ 1.



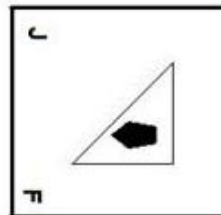
✗ 2.



✗ 3.



✓ 4.



Question ID : 81616112523

Status : Answered

Chosen Option : 4

Q.22 Select the correct combination of mathematical signs that can sequentially replace the \* signs and balance the equation.

$$5 * 468 * 18 * 70 * 180 * 4 * 5$$

Ans ✓ 1.  $\times, \div, +, -, \times$

✗ 2.  $\times, \div, +, =, -, \times$

✗ 3.  $\times, \div, -, +, =, \times$

✗ 4.  $\div, \times, +, -, =, \times$

Question ID : 81616113127

Status : Answered

Chosen Option : 1

**Q.23** 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.

**Statements:**

No introvert is an extrovert.

All extroverts are ambiverts.

**Conclusions:**

I. No introvert is an ambivert.

II. No ambivert is an introvert.

III. Some ambiverts are extroverts.

IV. All ambiverts are extroverts.

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

Question ID : **81616113222**

Status : **Answered**

Chosen Option : **2**

**Q.24** In a certain code language, 'LIBERTY' is coded as '4221824364050'. How will 'SLAVERY' be coded in that language?

- Ans** ☒ 1. 26222436384450
- ☒ 2. 22262438365040
- ☒ 3. 26224233684540
- ☒ 4. 22242636384050

Question ID : **81616113118**

Status : **Not Answered**

Chosen Option : **--**

**Q.25** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

b \_ e \_ d k \_ \_ c e m \_ k k b c \_ m \_ k k

- Ans** ☒ 1. c, k, k, b, d, e, d
- ☒ 2. c, m, k, b, d, e, d
- ☒ 3. c, k, m, b, d, e, d
- ☒ 4. c, m, k, b, c, c, d

Question ID : **81616113927**

Status : **Answered**

Chosen Option : **2**

Section : **General Awareness**

Q.1 Which of the following is the expanded form of the abbreviation 'Rep.' used in the text of the Constitution of India?

- Ans ☒ 1. Repealed  
☐ 2. Republic  
☐ 3. Representative  
☐ 4. Report

Question ID : 81616113963  
Status : Not Answered  
Chosen Option : --

Q.2 AMRUT scheme was launched under the sanitation programme in 2015. What is the full form of AMRUT?

- Ans ☐ 1. Aqua Mission for Renewable and Ultra Transformation  
☒ 2. Atal Mission for Rejuvenation and Urban Transformation  
☐ 3. Amar Mission for Renewable and Ultra Transmission  
☐ 4. Aqua Mission for Rejuvenation and Urban Transmission

Question ID : 81616113142  
Status : Not Answered  
Chosen Option : --

Q.3 'Oolong' is a variant of \_\_\_\_.

- Ans ☐ 1. jute  
☐ 2. coffee  
☐ 3. rubber  
☒ 4. tea

Question ID : 81616112541  
Status : Not Answered  
Chosen Option : --

Q.4 Spider webs are made up of \_\_\_\_, a natural fibre made up of protein.

- Ans ☐ 1. fur  
☐ 2. wool  
☒ 3. silk  
☐ 4. hair

Question ID : 81616113244  
Status : Not Answered  
Chosen Option : --

Q.5 Who among the following is the first female from India to win a Grammy award?

- Ans
- ☒ 1. Palak Muchhal
  - ☒ 2. Neeti Mohan
  - ☒ 3. Monali Thakur
  - ☒ 4. Tanvi Shah

Question ID : 81616112546  
Status : Not Answered  
Chosen Option : --

Q.6 Which of the following is a characteristic of conservative force?

- Ans
- ☒ 1. Work done by it depends upon the path.
  - ☒ 2. Work done by it is completely recoverable.
  - ☒ 3. Energy is dissipated as heat energy.
  - ☒ 4. Work done by it in a round trip is not zero.

Question ID : 81616112535  
Status : Answered  
Chosen Option : 2

Q.7 Who among the following became the first Indian javelin thrower to win an Asian Games gold medal in 2018?

- Ans
- ☒ 1. Shivpal Singh
  - ☒ 2. Devender Singh
  - ☒ 3. Vipin Kasana
  - ☒ 4. Neeraj Chopra

Question ID : 81616112550  
Status : Answered  
Chosen Option : 4

Q.8 Which of the following books was written by Panini?

- Ans
- ☒ 1. Raghuvamsam
  - ☒ 2. Kathasaritsagara
  - ☒ 3. Ashtadhyayi
  - ☒ 4. Manusmriti

Question ID : 81616113958  
Status : Answered  
Chosen Option : 3

Q.9 Where is the Jai Hind bridge located in India?

- Ans
- ☒ 1. Kolkata
  - ☒ 2. Mumbai
  - ☒ 3. Chennai
  - ☒ 4. Hyderabad

Question ID : 81616113145  
Status : Not Answered  
Chosen Option : --

Q.10 How many states does the World Bank aided 'STARS' project under the New Education Policy initially propose to cover?

- Ans
- ☒ 1. Four
  - ☒ 2. Ten
  - ☒ 3. Six
  - ☒ 4. Eight

Question ID : 81616112552

Status : Not Answered

Chosen Option : --

Q.11 In reference to atomicity, argon is:

- Ans
- ☒ 1. monoatomic
  - ☒ 2. polyatomic
  - ☒ 3. triatomic
  - ☒ 4. diatomic

Question ID : 81616113952

Status : Answered

Chosen Option : 4

Q.12 Who among the following Sikh Gurus founded the Tarn Taran Sahib?

- Ans
- ☒ 1. Guru Ram Das
  - ☒ 2. Guru Arjan Dev
  - ☒ 3. Guru Nanak Dev
  - ☒ 4. Guru Gobind Sikh

Question ID : 81616113249

Status : Not Answered

Chosen Option : --

Q.13 In which of the following years was the Bombay Reorganization Act passed?

- Ans
- ☒ 1. 1980
  - ☒ 2. 1956
  - ☒ 3. 1975
  - ☒ 4. 1960

Question ID : 81616113154

Status : Not Answered

Chosen Option : --

Q.14 \_\_\_\_ is the water transporting tissue in plants.

- Ans
- ☒ 1. Cortex
  - ☒ 2. Xylem
  - ☒ 3. Stele
  - ☒ 4. Phloem

Question ID : 81616113241

Status : Answered

Chosen Option : 2

Q.15 Who was the first Director-General of Archaeological Survey of India?

- Ans ☒ 1. Mortimer Wheeler  
☒ 2. Alexander Cunningham  
☒ 3. Lord Curzon  
☒ 4. John Marshall

Question ID : **81616113252**  
Status : **Not Answered**  
Chosen Option : --

Q.16 At which of the following places did Lord Buddha attain enlightenment?

- Ans ☒ 1. Rajgir  
☒ 2. Sarnath  
☒ 3. Bodh Gaya  
☒ 4. Vaishali

Question ID : **81616113149**  
Status : **Not Answered**  
Chosen Option : --

Q.17 Which of the following Indian solar energy firms was ranked as the number one energy company in terms of capacity in 2020 by Mercom Capital?

- Ans ☒ 1. Adani Green  
☒ 2. Waaree Energies  
☒ 3. Jinko Solar  
☒ 4. Tata Solar

Question ID : **81616112554**  
Status : **Not Answered**  
Chosen Option : --

Q.18 Who among the following is the first ever woman fighter pilot to have taken part at a Republic Day Parade?

- Ans ☒ 1. Mohana Singh Jitarwal  
☒ 2. Avani Chaturvedi  
☒ 3. Bhawna Kanth  
☒ 4. Anny Divya

Question ID : **81616113967**  
Status : **Not Answered**  
Chosen Option : --



Q.19 The 'Ecowrap report' was published in May 2020 by which of the following banks?

- Ans ☒ 1. RBI  
☒ 2. HDFC Bank  
☒ 3. SBI  
☒ 4. ICICI Bank

Question ID : 81616113139  
Status : Not Answered  
Chosen Option : --

Q.20 Who is the author of the book, 'Walking with the Comrades'?

- Ans ☒ 1. Pupil Jayakar  
☒ 2. Prakash Karat  
☒ 3. Sitaram Yechury  
☒ 4. Arundhati Roy

Question ID : 81616113961  
Status : Not Answered  
Chosen Option : --

Q.21 'Float Festival' is one of the main festivals celebrated in \_\_\_\_.

- Ans ☒ 1. Puducherry  
☒ 2. Madurai  
☒ 3. Kanyakumari  
☒ 4. Kannur

Question ID : 81616113237  
Status : Not Answered  
Chosen Option : --

Q.22 In which of the following years were the first Commonwealth Games held in Canada?

- Ans ☒ 1. 1930  
☒ 2. 1956  
☒ 3. 1909  
☒ 4. 1912

Question ID : 81616113258  
Status : Not Answered  
Chosen Option : --

Q.23 Which of the following Himalayan peaks is NOT located in Nepal?

- Ans ☒ 1. Mount Everest  
☒ 2. Annapurna  
☒ 3. Makalu  
☒ 4. Kamet

Question ID : 81616113954  
Status : Not Answered  
Chosen Option : --

**Q.24** Virupaksha Temple is situated in which of the following districts of Karnataka?

- Ans ☒ 1. Bidar  
☒ 2. Chikkaballapur  
☒ 3. Ballari  
☒ 4. Bagalkot

Question ID : **81616113137**  
 Status : **Not Answered**  
 Chosen Option : --

**Q.25** In the context of agricultural costs in India, what is MSP?

- Ans ☒ 1. Minimum Support Price  
☒ 2. Midterm Supply Plan  
☒ 3. Model Stability Product  
☒ 4. Maximum Selling Price

Question ID : **81616113946**  
 Status : **Answered**  
 Chosen Option : 1

Section : **Quantitative Aptitude**

**Q.1** AB is a chord of a circle with centre O and P is any point on the circle. If  $\angle APB = 122^\circ$ , then what is the measure of  $\angle OAB$ ?

- Ans ☒ 1.  $32^\circ$   
☒ 2.  $15^\circ$   
☒ 3.  $22^\circ$   
☒ 4.  $28^\circ$

Question ID : **81616113176**  
 Status : **Not Answered**  
 Chosen Option : --

**Q.2** In a triangle PQR, points E and F are on sides PQ and PR respectively such that EF is parallel to QR. If PE = 2 cm and EQ = 3 cm, then  $\text{area}(\triangle PQR) : \text{area}(\triangle PEF)$  is equal to:

- Ans ☒ 1. 3 : 2  
☒ 2. 25 : 4  
☒ 3. 5 : 2  
☒ 4. 9 : 4

Question ID : **81616112571**  
 Status : **Answered**  
 Chosen Option : 2

**Q.3** The average weight of a certain number of students in a class is 55.5 kg. If 4 students with average weight 60 kg join the class, then the average weight of all students in the class increases by 360 g. The number of students in the class, initially, is:

- Ans ☒ 1. 46  
☒ 2. 31  
☒ 3. 41  
☒ 4. 36

Question ID : 81616113971

Status : Answered

Chosen Option : 1

**Q.4** The area of a triangular plot having sides 12 m, 35 m and 37 m is equal to the area of a rectangular field whose sides are in the ratio 7 : 3. The perimeter (in m) of the field is:

- Ans ☒ 1.  $20\sqrt{10}$   
☒ 2.  $20\sqrt{5}$   
☒ 3.  $24\sqrt{10}$   
☒ 4.  $24\sqrt{5}$

Question ID : 81616113979

Status : Answered

Chosen Option : 1

**Q.5** Two circles of radius 15 cm and 37 cm intersect each other at the points A and B. If the length of common chord is 24 cm, what is the distance (in cm) between the centres of the circles?

- Ans ☒ 1. 44  
☒ 2. 45  
☒ 3. 42  
☒ 4. 40

Question ID : 81616113983

Status : Answered

Chosen Option : 1

**Q.6** If  $x - y = 4$  and  $x^3 - y^3 = 316$ ,  $y > 0$  then the value of  $x^4 - y^4$  is:

- Ans ☒ 1. 2500  
☒ 2. 2320  
☒ 3. 2401  
☒ 4. 2482

Question ID : 81616113274

Status : Answered

Chosen Option : 2

Q.7 The number  $823p2q$  is exactly divisible by 7, 11 and 13. What is the value of  $(p - q)$ ?

- Ans
- ☒ 1. 8
  - ☒ 2. 5
  - ☒ 3. 11
  - ☒ 4. 3

Question ID : 81616113161

Status : Answered

Chosen Option : 2

Q.8 In the table, production and sale (in 1000 tonnes) of a certain product of a company over 5 years is given. Study the table and answer the question.

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) sale is 80% or more but less than 90% of the production?

- Ans
- ☒ 1. 2016, 2018
  - ☒ 2. 2019
  - ☒ 3. 2015, 2016
  - ☒ 4. 2015, 2019

Question ID : 81616112780

Status : Not Answered

Chosen Option : --

Q.9 The value of  $\frac{\tan 13^\circ \tan 36^\circ \tan 45^\circ \tan 54^\circ \tan 77^\circ}{2 \sec^2 60^\circ (\sin^2 60^\circ - 3 \cos 60^\circ + 2)}$  is:

- Ans
- ☒ 1.  $\frac{1}{10}$
  - ☒ 2.  $-\frac{1}{4}$
  - ☒ 3.  $\frac{1}{4}$
  - ☒ 4.  $-\frac{1}{10}$

Question ID : 81616113080

Status : Answered

Chosen Option : 1

**Q.10** 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

What are the average marks of students B, C, D and F in Math?

- Ans
- ☐ 1. 125.5
  - ☐ 2. 82.5
  - ☒ 3. 123.75
  - ☐ 4. 120.75

Question ID : 81616113788

Status : Answered

Chosen Option : 2

**Q.11** Hari suffered a loss of 8% by selling an article. If he had sold it for ₹300 more, he would have made a profit of 4%. Find his CP (in ₹).

- Ans
- ☐ 1. 2400
  - ☐ 2. 2250
  - ☐ 3. 2575
  - ☒ 4. 2500

Question ID : 81616112560

Status : Answered

Chosen Option : 4

**Q.12** Two numbers are in the ratio 2 : 3. If 5 is subtracted from the first number and six is added to the second number, then the ratio becomes 5 : 12. What would the ratio become when eight is added to each number?

- Ans
- ☐ 1. 19 : 14
  - ☒ 2. 14 : 19
  - ☐ 3. 11 : 14
  - ☐ 4. 14 : 11

Question ID : 81616113268

Status : Answered

Chosen Option : 2

**Q.13** Price of a one gram gold coin decreased by 10% on its initial price on Monday and increased by 20% on Tuesday and again increased by 8% on Wednesday, and 5% increase on Thursday. If the final price on Thursday is ₹5511.24, then the initial price (in ₹) of one gram gold coin on Monday was?

- Ans
- ☒ 1. 4000
  - ☒ 2. 4250
  - ☒ 3. 4500
  - ☒ 4. 5000

Question ID : 81616113165

Status : Not Answered

Chosen Option : --

**Q.14** A boat goes 30 km upstream in 3 hours and downstream in 1 hour. How much time (in hours) will this boat take to cover 60 km in still water?

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

Question ID : 81616113271

Status : Answered

Chosen Option : 2

**Q.15** Simplify the following expression:

$$8 \div 4 \text{ of } 2 - 15 \div 2 \text{ of } 5 - 6 \div 5 \times (-7 + 5) \text{ of } 2$$

- Ans
- ☒ 1.  $-\frac{1}{5}$
  - ☒ 2.  $31\frac{7}{10}$
  - ☒ 3.  $7\frac{3}{10}$
  - ☒ 4.  $4\frac{3}{10}$

Question ID : 81616112556

Status : Answered

Chosen Option : 4

- Q.16** 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

In which district(s) is the number of female teachers Exceed the number of male teachers by more than 500?

- Ans**
- ☒ 1. West and South
  - ☒ 2. East and North
  - ☒ 3. North and South
  - ☒ 4. East and West

Question ID : **81616112778**

Status : **Answered**

Chosen Option : **2**

- Q.17** 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 student F in English, Science and Hindi is approximately what percent of the total marks obtained by student A in English, Mathematics, Science and Hindi?

(Correct to one decimal place)

- Ans**
- ☒ 1. 50.2
  - ☒ 2. 49.3
  - ☒ 3. 48.4
  - ☒ 4. 45.5

Question ID : **81616113790**

Status : **Not Answered**

Chosen Option : **--**

**Q.18** A loan is to be returned in two equal yearly instalments. If the rate of interest is 10% p.a., compounded annually and each instalment is ₹6534, then the total interest charged (in ₹) is:

- Ans
- ☒ 1. 1642
  - ☒ 2. 1579
  - ☒ 3. 1728
  - ☒ 4. 1867

Question ID : 81616113168  
Status : **Not Answered**  
Chosen Option : --

**Q.19** What is the coefficient of  $x$  in the expansion of  $(3x-4)^3$ ?

- Ans
- ☒ 1. 108
  - ☒ 2. -108
  - ☒ 3. 144
  - ☒ 4. -144

Question ID : 81616112566  
Status : **Answered**  
Chosen Option : 3

**Q.20** The value of  $\sin^2 60^\circ \cos^2 45^\circ + 2 \tan^2 60^\circ - \operatorname{cosec}^2 30^\circ$  is equal to:

- Ans
- ☒ 1.  $\frac{17}{24}$
  - ☒ 2.  $\frac{19}{8}$
  - ☒ 3.  $-\frac{17}{24}$
  - ☒ 4.  $-\frac{19}{8}$

Question ID : 81616113483  
Status : **Answered**  
Chosen Option : 2

**Q.21** The side of an equilateral  $\triangle ABC$  is  $3\sqrt{7}$  cm. P is a point on side BC such that BP : PC = 1 : 2. The length (in cm) of AP is:

- Ans
- ☒ 1. 6
  - ☒ 2. 7
  - ☒ 3.  $7\sqrt{3}$
  - ☒ 4.  $6\sqrt{3}$

Question ID : 81616113986  
Status : **Not Answered**  
Chosen Option : --



**Q.22** The marked price of an article is ₹5320. It is subject to two successive discounts, the first being 15%, and the second at a rate of 20% of the first. What is the selling price (to nearest ₹) of the article?

- Ans
- ☒ 1. ₹4522
  - ☒ 2. ₹4127
  - ☒ 3. ₹4000
  - ☒ 4. ₹4386

Question ID : 81616113265

Status : Not Answered

Chosen Option : --

**Q.23** The value of  $\sec^4\theta(1 - \sin^4\theta) - 2\tan^2\theta$  is:

- Ans
- ☒ 1.  $\frac{1}{2}$
  - ☒ 2. 1
  - ☒ 3. -1
  - ☒ 4. 0

Question ID : 81616113179

Status : Answered

Chosen Option : 2

**Q.24** If  $x + y + z = 3$ ,  $xy + yz + zx = -12$  and  $xyz = -16$ , then the value of  $\sqrt{x^3 + y^3 + z^3 + 13}$  is:

- Ans
- ☒ 1. 9
  - ☒ 2. 8
  - ☒ 3. 10
  - ☒ 4. 11

Question ID : 81616113174

Status : Answered

Chosen Option : 3

**Q.25** A can do a piece of work in 2 days, and B can do five times the same work in 15 days when they work for ten hours a day. If they work together, then how many hours in addition to a days' work will they require to complete the work?

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

Question ID : 81616113169

Status : Not Answered

Chosen Option : --

Section : English Comprehension

Q.1 Select the INCORRECTLY spelt word.

- Ans ☒ 1. Dissapoint  
☐ 2. Discourage  
☐ 3. Desperate  
☐ 4. Disastrous

Question ID : 81616112602  
Status : Answered  
Chosen Option : 1

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

A person appointed by two parties to solve a dispute

- Ans ☐ 1. Anarchist  
☐ 2. Atheist  
☒ 3. Arbitrator  
☐ 4. Auditor

Question ID : 81616113207  
Status : Answered  
Chosen Option : 3

Q.3 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed select 'No improvement required'.

He will lose all his wealth if he doesn't mends his ways.

- Ans ☐ 1. No improvement required  
☐ 2. do not mend  
☒ 3. doesn't mend  
☐ 4. don't mends

Question ID : 81616113190  
Status : Answered  
Chosen Option : 3

Q.4 Select the most appropriate ANTONYM of the given word.

Sabotage

- Ans ☒ 1. Create  
☐ 2. Damage  
☐ 3. Cripple  
☐ 4. Destroy

Question ID : 81616113304  
Status : Answered  
Chosen Option : 1

**Q.5** 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. There lived a foolish king in a large kingdom.
- B. He thought that it will be a good joke.
- C. He did not realise that what he thought of as a joke would cost him heavily.
- D. The king once decided to throw all his ministers in prison for a day.

Ans ☒ 1. DABC

☒ 2. ADBC

☒ 3. ACBD

☒ 4. ABCD

Question ID : 81616112592

Status : Answered

Chosen Option : 2

**Q.6** Select the most appropriate synonym of the given word.

Spill

Ans ☒ 1. Drop

☒ 2. Filter

☒ 3. Feather

☒ 4. Absorb

Question ID : 81616114008

Status : Not Answered

Chosen Option : --

**Q.7** Select the most appropriate option to fill in the blank.

In addition to understanding the specific issue to be tackled, the sub-committee examined the larger \_\_\_\_\_ on the problem.

Ans ☒ 1. perception

☒ 2. perspective

☒ 3. proportion

☒ 4. prospective

Question ID : 81616114019

Status : Not Answered

Chosen Option : --

**Q.8** Select the most appropriate meaning of the given idiom.

Through thick and thin

Ans ☒ 1. With humility

☒ 2. With ego and pride

☒ 3. With all kinds of people

☒ 4. Under all conditions

Question ID : 81616113305

Status : Answered

Chosen Option : 4

**Q.9** 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.

I never miss / a cricket match / as I am fond of cricket / from childhood.

- Ans** ☒ 1. from childhood  
☐ 2. I never miss  
☐ 3. as I am fond of cricket  
☐ 4. a cricket match

Question ID : **81616113287**  
Status : **Not Answered**  
Chosen Option : --

**Q.10** Select the most appropriate **ANTONYM** of the given word.

Lavish

- Ans** ☒ 1. Moderate  
☐ 2. Grand  
☐ 3. Generous  
☐ 4. Excessive

Question ID : **81616112596**  
Status : **Answered**  
Chosen Option : 1

**Q.11** Select the **INCORRECTLY** spelt word.

- Ans** ☐ 1. Unison  
☐ 2. Liaison  
☒ 3. Ocassion  
☐ 4. Vehemence

Question ID : **81616112603**  
Status : **Not Answered**  
Chosen Option : --

**Q.12** Select the option that expresses the given sentence in reported speech.

The French scientist said, "I want to study how bees and wasps find their way home."

- Ans** ☐ 1. The French scientist said that he wants to study how bees and wasps found your way home.  
☐ 2. The French scientist said that I want to study how bees and wasps found their way home.  
☒ 3. The French scientist said that he wanted to study how bees and wasps found their way home.  
☐ 4. The French scientist said that I wanted to study how bees and wasps find their way home.

Question ID : **81616113997**  
Status : **Answered**  
Chosen Option : 3

Q.13 Select the option that can be used as a one-word substitute for the given group of words.

A group of people, typically with vehicles or animals travelling together

- Ans ☒ 1. Caravan  
☐ 2. Cache  
☐ 3. Battery  
☐ 4. Cargo

Question ID : 81616113206  
Status : Answered  
Chosen Option : 1

Q.14 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

The shopkeeper would have fined her if he come to know that she damaged the toy on exhibit.

- Ans ☒ 1. he came to know  
☐ 2. he comes to knew  
☐ 3. No substitution  
☐ 4. he came to knew

Question ID : 81616113999  
Status : Not Answered  
Chosen Option : --

Q.15 Select the most appropriate synonym of the given word.

Breakthrough

- Ans ☒ 1. Discovery  
☐ 2. Disaster  
☐ 3. Coincidence  
☐ 4. Accident

Question ID : 81616114009  
Status : Answered  
Chosen Option : 2

Q.16 Select the option that expresses the given sentence in passive voice.

They didn't repair my phone yesterday.

- Ans ☐ 1. My phone did not get repaired yesterday by them.  
☒ 2. My phone was not repaired yesterday by them.  
☐ 3. My phone could not be repaired yesterday by them.  
☐ 4. My phone had not been repaired yesterday by them

Question ID : 81616113188  
Status : Answered  
Chosen Option : 2

Q.17 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

One of / the biggest enterprise / in India / is declaring a lockout.

- Ans
- ☒ 1. is declaring a lockout
  - ☒ 2. in India
  - ☒ 3. the biggest enterprise
  - ☒ 4. One of

Question ID : 81616113187

Status : Answered

Chosen Option : 3

Q.18 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. Sculpture and painting form an integral part of temple architecture.
- B. The city is visited by thousands curious to see the temple in the form of a chariot.
- C. The finest example of this is Konark Temple in Puri.
- D. The chariot with immense wheels and horses is carved from stone.

- Ans
- ☒ 1. ABCD
  - ☒ 2. BCAD
  - ☒ 3. ACBD
  - ☒ 4. BCDA

Question ID : 81616113300

Status : Answered

Chosen Option : 3

Q.19 Select the most appropriate meaning of the given idiom.

On the horizon

- Ans
- ☒ 1. A plan for the distant future
  - ☒ 2. The successful beginning of a business venture
  - ☒ 3. An event that is likely to end soon
  - ☒ 4. An event that is likely to happen soon

Question ID : 81616113306

Status : Answered

Chosen Option : 3

Q.20 Select the most appropriate option to fill in the blank.

Do not \_\_\_\_\_ him; he has done no harm to you.

- Ans
- ☒ 1. assure
  - ☒ 2. admit
  - ☒ 3. accuse
  - ☒ 4. admire

Question ID : 81616113210

Status : Answered

Chosen Option : 3

**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.

The muskmelon is (1)\_\_\_\_\_ perfect summer (2)\_\_\_\_\_. It is (3)\_\_\_\_\_ in water content which can help (4)\_\_\_\_\_ care of our (5)\_\_\_\_\_ fluid loss that we suffer in the hot season.

**SubQuestion No : 21**

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

- Ans ☒ 1. a  
☐ 2. much  
☐ 3. an  
☐ 4. few

Question ID : **81616112587**  
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.

The muskmelon is (1)\_\_\_\_\_ perfect summer (2)\_\_\_\_\_. It is (3)\_\_\_\_\_ in water content which can help (4)\_\_\_\_\_ care of our (5)\_\_\_\_\_ fluid loss that we suffer in the hot season.

**SubQuestion No : 22**

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

- Ans ☐ 1. disaster  
☐ 2. enemy  
☒ 3. companion  
☐ 4. hazard

Question ID : **81616112588**  
Status : **Answered**  
Chosen Option : **3**

**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.

The muskmelon is (1)\_\_\_\_\_ perfect summer (2)\_\_\_\_\_. It is (3)\_\_\_\_\_ in water content which can help (4)\_\_\_\_\_ care of our (5)\_\_\_\_\_ fluid loss that we suffer in the hot season.

**SubQuestion No : 23**

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

- Ans ☐ 1. lengthy  
☐ 2. poor  
☐ 3. wide  
☒ 4. rich

Question ID : **81616112589**  
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.

The muskmelon is (1)\_\_\_\_\_ perfect summer (2)\_\_\_\_\_. It is (3)\_\_\_\_\_ in water content which can help (4)\_\_\_\_\_ care of our (5)\_\_\_\_\_ fluid loss that we suffer in the hot season.

**SubQuestion No : 24**

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

Ans ☒ 1. took

☒ 2. take

☒ 3. like

☒ 4. look

Question ID : 81616112590

Status : Answered

Chosen Option : 2

**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.

The muskmelon is (1)\_\_\_\_\_ perfect summer (2)\_\_\_\_\_. It is (3)\_\_\_\_\_ in water content which can help (4)\_\_\_\_\_ care of our (5)\_\_\_\_\_ fluid loss that we suffer in the hot season.

**SubQuestion No : 25**

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

Ans ☒ 1. mind's

☒ 2. body's

☒ 3. heart's

☒ 4. health's

Question ID : 81616112591

Status : Answered

Chosen Option : 2