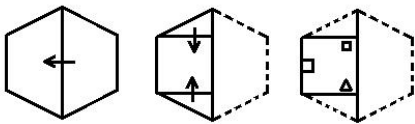


# Combined Graduate Level Examination 2020 Tier-I

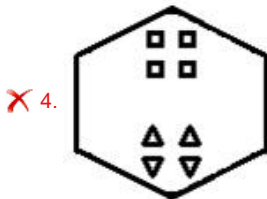
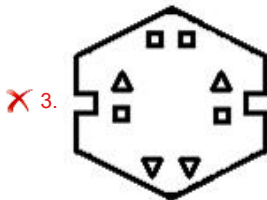
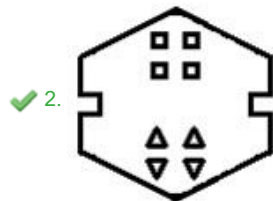
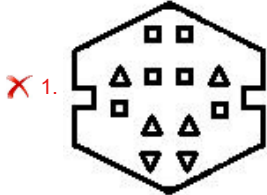
Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ 2 Mathura Road
Exam Date	20/08/2021
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination 2020 Tier 1

**Section : General Intelligence and Reasoning**

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

Question ID : 81616113431  
 Status : Answered  
 Chosen Option : 3

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



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

Question ID : 81616113435  
 Status : Answered  
 Chosen Option : 3

**Q.4** 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. P, D, M, J, N, O, N
  - 2. M, D, N, P, N, J, O
  - 3. P, M, D, N, J, O, N
  - 4. M, D, P, N, J, N, O

Question ID : 81616113422  
 Status : Answered  
 Chosen Option : 1

**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. Aunt
  - 2. Mother
  - 3. Sister
  - 4. Sister-in-law

Question ID : **81616113423**  
Status : **Answered**  
Chosen Option : **4**

**Q.6** 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.7** 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. 234
  - 2. 380
  - 3. 403
  - 4. 176

Question ID : **81616112310**  
Status : **Answered**  
Chosen Option : **2**

Q.8 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 |  
P  
Q

Ans

✓ 1. t M p D e d q A

✗ 2. A b d e D p M t

✗ 3. A b e d D p M t

✗ 4. t M p D e d q A

Question ID : 81616113436

Status : Answered

Chosen Option : 1

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

Ans

✗ 1. (812, 121)

✗ 2. (546, 225)

✓ 3. (547, 258)

✗ 4. (723, 144)

Question ID : 81616112316

Status : Answered

Chosen Option : 3

Q.10 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. 12

✗ 2. 10

✗ 3. 18

✓ 4. 13

Question ID : 81616113325

Status : Answered

Chosen Option : 4

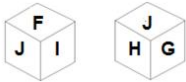
**Q.11** Select the number from among the given options that can replace the question mark (?) in the following series.

121, 169, 225, 289, ?

- Ans
- 1. 398
  - 2. 305
  - 3. 361
  - 4. 410

Question ID : 81616112415  
Status : Answered  
Chosen Option : 3

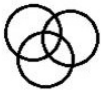
**Q.12** Two different positions of the same dice are shown, the faces of which are marked with the letters F, G, H, I, J and K. Select the letter that will be on the face opposite to the face having the letter 'F'.



- Ans
- 1. H
  - 2. I
  - 3. J
  - 4. G

Question ID : 81616112323  
Status : Answered  
Chosen Option : 4

**Q.13** Select the set of classes, the relationship among which is best illustrated by the following Venn diagram.



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

Question ID : 81616113337  
Status : Answered  
Chosen Option : 1

**Q.14** 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. GT
  - 3. KP
  - 4. QL

Question ID : 81616112406  
Status : Answered  
Chosen Option : 4

**Q.15** In a certain code language, 'INHALE' is written as 'REEDIH'. How will 'MIGHTY' be written in that language?

- Ans**  1. MILCCP  
 2. MCLICP  
 3. IMCLCP  
 4. CCILMP

Question ID : 81616113319  
Status : Not Answered  
Chosen Option : --

**Q.16** 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. Anaemia  
 4. Scurvy

Question ID : 81616112306  
Status : Answered  
Chosen Option : 3

**Q.17** 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. 19  
 3. 21  
 4. 23

Question ID : 81616113327  
Status : Answered  
Chosen Option : 3

**Q.18** 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. PQR  
 4. OCQ

Question ID : 81616113414  
Status : Answered  
Chosen Option : 1

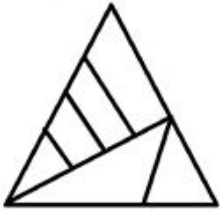
Q.19 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(12, 121, 169)

- Ans  1. (11, 144, 196)  
 2. (17, 256, 324)  
 3. (14, 196, 225)  
 4. (16, 161, 256)

Question ID : 81616112318  
Status : Answered  
Chosen Option : 2

Q.20 How many triangles are there in the given figure?



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

Question ID : 81616112322  
Status : Answered  
Chosen Option : 4

Q.21 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. Neither conclusion I nor II follows  
 2. Both conclusions I and II follow  
 3. Only conclusion II follows  
 4. Only conclusion I follows

Question ID : 81616113323  
Status : Answered  
Chosen Option : 3

**Q.22** 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. Godavari
  - 2. Ganga
  - 3. Yamuna
  - 4. Narmada

Question ID : 81616112408  
Status : Answered  
Chosen Option : 3

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

**Pulmonologist : Lungs**

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

Question ID : 81616113419  
Status : Answered  
Chosen Option : 2

**Q.24** 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. =, x, +, ÷, -
  - 2. x, ÷, =, -, +
  - 3. ÷, x, +, -, =
  - 4. +, ÷, -, =, x

Question ID : 81616112319  
Status : Answered  
Chosen Option : 2

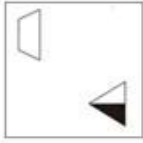


**Q.25** Select the figure from among the given options that can replace the question mark (?) in the following series.



**Ans**

✓ 1.



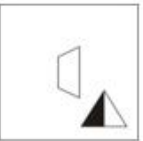
✗ 2.



✗ 3.



✗ 4.



Question ID : 81616112422  
Status : Answered  
Chosen Option : 1

Section : **General Awareness**

**Q.1** 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. marginal utility curve
  - ✗ 2. demand curve
  - ✗ 3. budget line
  - ✓ 4. production possibility curve

Question ID : 81616112331  
Status : Not Answered  
Chosen Option : --

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

- Ans**
- ✗ 1. pomology
  - ✓ 2. ornithology
  - ✗ 3. gerontology
  - ✗ 4. ichthyology

Question ID : 81616113345  
Status : Answered  
Chosen Option : 2

**Q.3 At which of the following places did Lord Buddha give his first sermon on the Four Noble Truths?**

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

Question ID : **81616113353**  
Status : **Not Answered**  
Chosen Option : --

**Q.4 Which Indian state had the highest number of large dams as of January 2021?**

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

Question ID : **81616112440**  
Status : **Not Answered**  
Chosen Option : --

**Q.5 Which of the following is the largest sea bird with the longest wingspan?**

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

Question ID : **81616113447**  
Status : **Not Answered**  
Chosen Option : --

**Q.6 In which of the following states is the 'Eco Retreat' festival held every year?**

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

Question ID : **81616113338**  
Status : **Not Answered**  
Chosen Option : --

**Q.7 Who among the following broke the national under-20 record in the 10,000 m race walk in January 2021?**

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

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

**Q.8** 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. Mizoram
  - 2. Sikkim
  - 3. Nagaland
  - 4. Arunachal Pradesh

Question ID : **81616112346**  
Status : **Not Answered**  
Chosen Option : --

**Q.9** Which of the following rivers empties into the Gulf of Cambay of the Arabian Sea, in the state of Gujarat?

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

Question ID : **81616112337**  
Status : **Not Answered**  
Chosen Option : --

**Q.10** Which of the following minerals produces green colour in fireworks?

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

Question ID : **81616113342**  
Status : **Not Answered**  
Chosen Option : --

**Q.11** Who among the following was the founder and the first Chairman and Commissioner of the Indian Premier League (IPL)?

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

Question ID : **81616112449**  
Status : **Not Answered**  
Chosen Option : --

Q.12 Padavali Kirtan refers to songs composed in the medieval period of West Bengal (15th to 17th century) in praise of \_\_\_\_\_.

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

Question ID : 81616112329  
Status : Not Answered  
Chosen Option : --

Q.13 Who was the brand ambassador of World Wildlife Fund India's Environment Education Programme as of January 2021?

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

Question ID : 81616113456  
Status : Not Answered  
Chosen Option : --

Q.14 \_\_\_\_\_ include/s glycogen, poly- $\beta$ - hydroxybutyrate granules, sulphur granules and gas vesicles.

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

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

Q.15 A type of court called 'Kantakasodhana' was prevalent in the \_\_\_\_\_ Empire.

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

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

**Q.16** 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. 100°C
  - 3. 200°C
  - 4. 150°C

Question ID : **81616112334**  
Status : **Answered**  
Chosen Option : **2**

**Q.17** In which of the following states was India's first gender park inaugurated in February 2021?

- Ans**
- 1. Karnataka
  - 2. West Bengal
  - 3. Odisha
  - 4. Kerala

Question ID : **81616113462**  
Status : **Not Answered**  
Chosen Option : **--**

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

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

Question ID : **81616113453**  
Status : **Answered**  
Chosen Option : **1**

**Q.19** 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. The Sky Is Pink
  - 2. Ek Hazarachi Note
  - 3. Gulabo Sitabo
  - 4. Jallikattu

Question ID : **81616112451**  
Status : **Not Answered**  
Chosen Option : **--**

**Q.20** 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. 8  
 2. 4  
 3. 6  
 4. 10

Question ID : **81616112453**  
Status : **Answered**  
Chosen Option : **1**

**Q.21** 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. Gujarat  
 2. Goa  
 3. Kerala  
 4. Tamil Nadu

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

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

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

Question ID : **81616113350**  
Status : **Answered**  
Chosen Option : **2**

**Q.23** 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. Assam  
 2. Mizoram  
 3. Tripura  
 4. Sikkim

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

**Q.24** Who among the following is the Chairman of Planning Commission and National Integration Council of India?

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

Question ID : 81616113458  
Status : Not Answered  
Chosen Option : --

**Q.25** In which of the following states is the headquarters of IDBI (Industrial Development Bank of India) located?

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

Question ID : 81616113441  
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. 22
  - 2. 12
  - 3. 24
  - 4. 11

Question ID : 81616112368  
Status : Answered  
Chosen Option : 3

**Q.2** What is the value of k such that number 72k460k is divisible by 6?

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

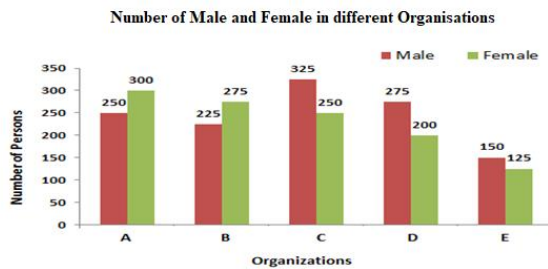
Question ID : 81616112353  
Status : Answered  
Chosen Option : 4

**Q.3** 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.  $\sqrt{2} - 1$
  - 4.  $\sqrt{3} + 1$

Question ID : 81616113383  
Status : Answered  
Chosen Option : 4

**Q.4** 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. A
  - 3. B
  - 4. C

Question ID : 81616113384  
Status : Answered  
Chosen Option : 3



**Q.5** 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. 120
  - ✗ 2. 200
  - ✗ 3. 108
  - ✗ 4. 83.3

Question ID : 81616112781  
Status : Answered  
Chosen Option : 1

**Q.6** 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. 11
  - ✗ 3. 17
  - ✗ 4. 13

Question ID : 81616113466  
Status : Answered  
Chosen Option : 1

**Q.7** 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.  $-4$
  - ✗ 3.  $2\frac{12}{13}$
  - ✗ 4.  $2\frac{1}{3}$

Question ID : 81616112455  
Status : Not Answered  
Chosen Option : --

Q.8 Find the value of  $\tan 35^\circ \cot 40^\circ \tan 45^\circ \cot 50^\circ \tan 55^\circ$ .

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

Question ID : 81616112877  
Status : Answered  
Chosen Option : 2

Q.9 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.10 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. 546
  - 2. 240
  - 3. 400
  - 4. 640

Question ID : 81616112459  
Status : Answered  
Chosen Option : 4

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

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

Question ID : 81616112366  
Status : Answered  
Chosen Option : 3

**Q.12** 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. 45
  - 2. 37.5
  - 3. 25
  - 4. 35

Question ID : 81616112470  
Status : Answered  
Chosen Option : 2

**Q.13** If  $a^2 + b^2 + c^2 + 216 = 12(a + b - 2c)$ , then  $\sqrt{ab - bc - ca}$  is:

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

Question ID : 81616113375  
Status : Not Answered  
Chosen Option : --

**Q.14** The area of a quadrant of a circle is  $\frac{\pi}{9} m^2$ . Its radius (in metres) is equal to:

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

Question ID : 81616113474  
Status : Answered  
Chosen Option : 3

**Q.15** 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. 56
  - 2. 44
  - 3. 35.89
  - 4. 69

Question ID : 81616112357  
Status : Answered  
Chosen Option : 1

**Q.16** 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.17** 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. 10  
 2. 12  
 3. 20  
 4. 15

Question ID : 81616113369  
Status : Answered  
Chosen Option : 4

**Q.18** 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. 3 : 10  
 2. 3 : 4  
 3. 6 : 5  
 4. 6 : 17

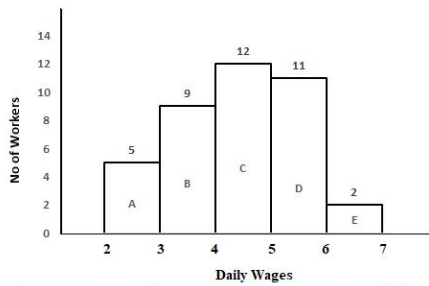
Question ID : 81616112779  
Status : Answered  
Chosen Option : 2

**Q.19** 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. 12.5
  - 2. 15
  - 3. 20
  - 4. 16

Question ID : 81616113366  
Status : Answered  
Chosen Option : 4

**Q.20** 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. 14 : 23
  - 2. 41 : 23
  - 3. 23 : 41
  - 4. 23 : 14

Question ID : 81616113386  
Status : Answered  
Chosen Option : 1

**Q.21** In  $\triangle ABC$ , 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  $\triangle BDE$  : Area of trapezium ACED =

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

Question ID : 81616113481  
Status : Answered  
Chosen Option : 2

**Q.22** 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. 20
  - 3.  $12\frac{1}{2}$
  - 4. 10

Question ID : 81616112360  
Status : Answered  
Chosen Option : 3

**Q.23** 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.  $1\frac{1}{2}$
  - 4.  $1\frac{1}{3}$

Question ID : 81616113372  
Status : Not Answered  
Chosen Option : --

**Q.24** Simplify  $(x - y + z)^2 - (x - y - z)^2$ .

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

Question ID : 81616112465  
Status : Not Answered  
Chosen Option : --

**Q.25** 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.  $-\frac{1}{3}$
  - 2. -3
  - 3. 3
  - 4. -2

Question ID : 81616112371  
Status : Not Answered  
Chosen Option : --

Section : English Comprehension

Q.1 Select the most appropriate meaning of the given idiom.

Tide someone over

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

Question ID : 81616113407  
Status : Answered  
Chosen Option : 4

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

Tag (n)

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

Question ID : 81616113503  
Status : Answered  
Chosen Option : 3

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

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

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

Question ID : 81616112402  
Status : Answered  
Chosen Option : 3

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

Anxiety

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

Question ID : 81616112495  
Status : Answered  
Chosen Option : 3

**Q.5 Select the INCORRECTLY spelt word.**

- Ans**  1. Cadre  
 2. Carnivorous  
 3. Commit  
 4. Calender

Question ID : 81616112501  
Status : Answered  
Chosen Option : 4

**Q.6 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. about our food and diet  
 2. Modern science have  
 3. broken many myths  
 4. No error

Question ID : 81616113388  
Status : Answered  
Chosen Option : 2

**Q.7 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. retort  
 2. result  
 3. rejoinder  
 4. reaction

Question ID : 81616113514  
Status : Answered  
Chosen Option : 4

**Q.8 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.9** 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. CDAB
  - 2. BADC
  - 3. BCDA
  - 4. ADCB

Question ID : 81616113401  
Status : Answered  
Chosen Option : 3

**Q.10** Select the option that expresses the given sentence in passive voice.

You can solve this problem.

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

Question ID : 81616112380  
Status : Answered  
Chosen Option : 3

**Q.11** Select the most appropriate meaning of the given idiom.

A bad egg

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

Question ID : 81616113406  
Status : Answered  
Chosen Option : 4

Q.12 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. BADC  
 2. BCDA  
 3. ABDC  
 4. DCBA

Question ID : 81616112491  
Status : Answered  
Chosen Option : 1

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

**Blemish**

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

Question ID : 81616113405  
Status : Answered  
Chosen Option : 3

Q.14 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. Egotist  
 2. Atheist  
 3. Cynic  
 4. Anarchist

Question ID : 81616112399  
Status : Answered  
Chosen Option : 2

Q.15 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. A apple a day  
 2. The apples a day  
 3. An apple a day  
 4. No substitution

Question ID : 81616112382  
Status : Answered  
Chosen Option : 3

**Q.16** 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.17** 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. Bouquet
  - 2. Bracket
  - 3. Basket
  - 4. Boutique

Question ID : 81616112398  
Status : Answered  
Chosen Option : 1

**Q.18** 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 down
  - 2. No substitution
  - 3. was pulled over
  - 4. was pulled up

Question ID : 81616113494  
Status : Answered  
Chosen Option : 1

**Q.19** Select the INCORRECTLY spelt word.

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

Question ID : 81616112502  
Status : Answered  
Chosen Option : 1

**Q.20** 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. as he was busy
  - 2. for a film
  - 3. to the award ceremony
  - 4. Ranbir could not went

Question ID : 81616112379  
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 : 21**

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

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

Question ID : 81616112486  
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 : 22**

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

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

Question ID : 81616112487  
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 : 23**

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

- Ans  1. required  
 2. retained  
 3. reminded  
 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. on  
 2. in  
 3. of  
 4. at

Question ID : 81616112489  
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 : 25**

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

- Ans  1. geological  
 2. geographical  
 3. botanical  
 4. physical

Question ID : 81616112490  
Status : Answered  
Chosen Option : 4