

## Combined Graduate Level Examination 2020 Tier-I

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Exam Date	23/08/2021
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination 2020 Tier 1

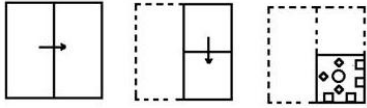
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Section : **General Intelligence and Reasoning**

**Q.1** Two numbers A and B are such that the sum of 3% of A and 6% of B is four-fifths of the sum of 4% of A and 6% of B. Find the ratio of A + B and A - B.

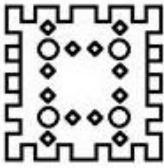
Ans  1. 7 : 5 2. 6 : 5 3. 4 : 5 4. 5 : 6Question ID : **81616113633**Status : **Answered**Chosen Option : **1**

**Q.2** 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?

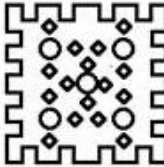


**Ans**

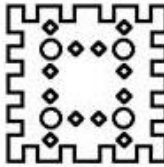
✗ 1.



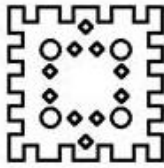
✗ 2.



✓ 3.



✗ 4.



Question ID : 81616113639

Status : Answered

Chosen Option : 3

**Q.3** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

PND, QKI, RHN, SES, ?

**Ans** ✗ 1. SXC

✗ 2. TXB

✓ 3. TBX

✗ 4. SCX

Question ID : 81616113616

Status : Answered

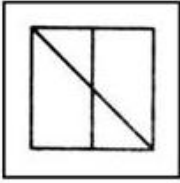
Chosen Option : 3

**Q.4** Select the option figure in which the given figure is embedded (rotation is NOT allowed).

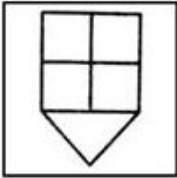


**Ans**

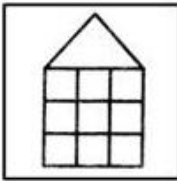
✗ 1.



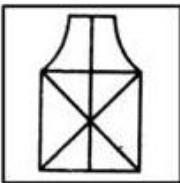
✗ 2.



✗ 3.



✓ 4.



Question ID : 81616113637

Status : Answered

Chosen Option : 4

**Q.5** Select the option in which the numbers are related in the same way as are the numbers of the following set.

(4, 282, 5)

**Ans** ✗ 1. (5, 25, 1)

✗ 2. (3, 405, 6)

✗ 3. (2, 84, 4)

✓ 4. (7, 152, 3)

Question ID : 81616113328


Status : Not Answered


Chosen Option : --


**Q.6** Select the correct combination of mathematical signs that can sequentially replace the \* signs and balance the equation.

$$25 * 7 * 40 * 20 * 4 * 210$$

Ans  1.  $\times, -, +, +, =$

 2.  $\times, +, -, +, =$

 3.  $-, +, =, \div, \times$

 4.  $+, -, =, \div, \times$

Question ID : 81616113329

Status : Not Answered

Chosen Option : --

**Q.7** 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:**

All teachers are doctors.

Some professors are doctors.

All professors are engineers.

**Conclusions:**

I. All professors are doctors.

II. Some doctors are engineers.

III. Some teachers are engineers.

IV. Some teachers are professors.

Ans  1. All conclusions I, II, III and IV follow

 2. Only conclusions I, II and IV follow

 3. Only conclusions II, III and IV follow

 4. Only conclusion II follows

Question ID : 81616112313

Status : Answered

Chosen Option : 4

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

11, 13, 19, 49, 109, 239, ?

Ans  1. 494

 2. 394

 3. 349

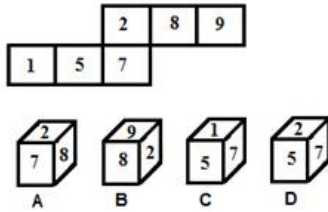
 4. 449

Question ID : 81616112920

Status : Not Answered

Chosen Option : --

**Q.9** Select the cubes that can be formed by folding the given sheet along the lines.



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

Question ID : **81616113333**

Status : **Answered**

Chosen Option : **2**

**Q.10** Select the option in which the words share the same relationship as that shared by the given pair of words.

Help : Hinder

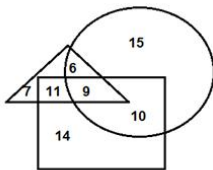
- Ans**
- ☒ 1. Insipid : Plain
  - ☒ 2. Impulsive : Hasty
  - ☒ 3. Indigent : Rich
  - ☒ 4. Lenient : Forgiving

Question ID : **81616113621**

Status : **Answered**

Chosen Option : **3**

**Q.11** In the given diagram, the circle represents 'teachers', the triangle represents 'dancers' and the rectangle represents 'writers'. Study the given diagram carefully and answer the question that follows.



What is the number of teachers who are writers, but NOT dancers?

- Ans**
- ☒ 1. 10
  - ☒ 2. 9
  - ☒ 3. 11
  - ☒ 4. 15

Question ID : **81616112327**

Status : **Answered**

Chosen Option : **1**

**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. Sensational
2. Sensitize
3. Sentiment
4. September
5. Sentence

**Ans** ✓ 1. 1, 2, 5, 3, 4

✗ 2. 2, 1, 5, 3, 4

✗ 3. 5, 1, 2, 4, 3

✗ 4. 5, 3, 2, 1, 4

Question ID : 81616112910

Status : Answered

Chosen Option : 1

**Q.13** In a certain code language, 'PAWAN' is written as 'SCZCQ' and 'SOHAM' is written as 'VQKCP'. How will 'KIRAN' be written in that language?

**Ans** ✗ 1. NLVDQ

✗ 2. MJUCQ

✓ 3. NKUCQ

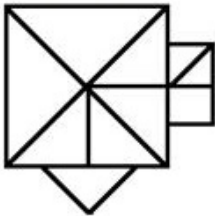
✗ 4. MJVQR

Question ID : 81616112309

Status : Answered

Chosen Option : 3

**Q.14** Find the number of triangles in the given figure.



**Ans** ✓ 1. 15

✗ 2. 19

✗ 3. 17

✗ 4. 13

Question ID : 81616113332

Status : Answered

Chosen Option : 1

**Q.15** 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. PRNT
  - ☒ 2. FHDJ
  - ☒ 3. LNJP
  - ☒ 4. GIEY

Question ID : 81616112911  
Status : Answered  
Chosen Option : 4

**Q.16** Select the option that is related to the third word in the same way as the second word is related to the first word.

Toothpaste : Teeth :: Broom : ?

- Ans
- ☒ 1. Floor
  - ☒ 2. Clean
  - ☒ 3. Wash
  - ☒ 4. Garbage

Question ID : 81616112913  
Status : Answered  
Chosen Option : 1

**Q.17** Read the given information carefully and answer the question that follows.

'K \$ D' means 'K is the father of D'.  
'K < D' means 'K is the wife of D'.  
'K > D' means 'K is the daughter of D'.  
'K @ D' means 'K is the son of D'.

How is S related to N in the expression 'H > R \$ S@T > N'?

- Ans
- ☒ 1. Grandson
  - ☒ 2. Nephew
  - ☒ 3. Son-in-law
  - ☒ 4. Son

Question ID : 81616113625  
Status : Answered  
Chosen Option : 1

**Q.18** In a certain code language, 'LOWER' is coded as '186' and 'MULISH' is coded as '320'. How will 'OPTIONAL' be coded in that language?

- Ans
- ☒ 1. 465
  - ☒ 2. 546
  - ☒ 3. 564
  - ☒ 4. 456

Question ID : 81616113320  
Status : Not Answered  
Chosen Option : --

**Q.19** 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. Taka  
☒ 2. Lusaka  
☒ 3. Manama  
☒ 4. Harare

Question ID : **81616113316**  
Status : **Answered**  
Chosen Option : **1**

**Q.20** Select the option that is related to the third number in the same way as the second number is related to the first number.

39 : 91 :: 51 : ?

- Ans** ☒ 1. 125  
☒ 2. 178  
☒ 3. 119  
☒ 4. 93

Question ID : **81616112315**  
Status : **Answered**  
Chosen Option : **3**

**Q.21** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

G \_ CT \_ GP \_ T \_ GPC \_ D \_ PC \_ D

- Ans** ☒ 1. P, D, C, D, T, G, T  
☒ 2. P, C, T, D, G, T, D  
☒ 3. P, D, D, C, G, T, T  
☒ 4. P, T, T, D, D, C, G

Question ID : **81616113624**  
Status : **Answered**  
Chosen Option : **1**

**Q.22** Select the option in which the numbers are NOT related in the same way as are the numbers of the following set.

(63, 76, 46)

- Ans** ☒ 1. (45, 58, 28)  
☒ 2. (72, 85, 55)  
☒ 3. (83, 96, 66)  
☒ 4. (69, 84, 52)

Question ID : **81616112317**  
Status : **Not Answered**  
Chosen Option : **--**



**Q.23** 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. 17 : 60  
☒ 2. 19 : 68  
☒ 3. 13 : 90  
☒ 4. 23 : 84

Question ID : 81616113326

Status : Answered

Chosen Option : 3

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



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 81616112927

Status : Not Answered

Chosen Option : --

**Q.25** Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

PROFESSION  
P  
|  
Q

Ans

- ✓ 1. NOIS22EIOYB  
✗ 2. BKOE22SION  
✗ 3. BKOE22SION  
✗ 4. NOIS22EIOYB

Question ID : 81616113638

Status : Answered

Chosen Option : 1

Section : General Awareness

**Q.1** In which of the following years was the micro-credit scheme 'Street Vendor's AtmaNirbhar Nidhi' ('PM SVANidhi') launched?

Ans

- ✗ 1. 2014  
✗ 2. 2017  
✗ 3. 2015  
✓ 4. 2020

Question ID : 81616113341

Status : Not Answered

Chosen Option : --

**Q.2** Which of the following plant hormones regulates growth, particularly by stimulating cell elongation in stems?

Ans

- ✗ 1. Ethylene  
✓ 2. Auxin  
✗ 3. Cytokinin  
✗ 4. Gibberellin

Question ID : 81616113344

Status : Answered

Chosen Option : 2

**Q.3** \_\_\_\_\_ boundaries occur when plates collide and one plate is pushed under the other.

Ans

- ✗ 1. Divergent  
✗ 2. Transform  
✓ 3. Convergent  
✗ 4. Continental

Question ID : 81616112945

Status : Answered

Chosen Option : 2

**Q.4** What do you call the property of an organism of self-regulation and the tendency to maintain a steady state within an external environment which is liable to change?

- Ans**
- ☒ 1. Irritability
  - ☒ 2. Metabolism
  - ☒ 3. Homeostasis
  - ☒ 4. Consciousness

Question ID : **81616112335**  
Status : **Answered**  
Chosen Option : **3**

**Q.5** At which of the following places was the 'Street Theatre and Performing Arts Fellowship' scheme launched in January 2021 to give artists an opportunity to showcase their craft?

- Ans**
- ☒ 1. Chandigarh
  - ☒ 2. Haryana
  - ☒ 3. Delhi
  - ☒ 4. Goa

Question ID : **81616113339**  
Status : **Answered**  
Chosen Option : **1**

**Q.6** Which of the following organizations releases the Global Innovation Index?

- Ans**
- ☒ 1. INSEAD, Cornell University, WIPO
  - ☒ 2. UNDP
  - ☒ 3. WEF
  - ☒ 4. WTO

Question ID : **81616113643**  
Status : **Answered**  
Chosen Option : **1**

**Q.7** Mukhyamantri Bagayat Vikas Mission (Horticulture Development Mission) scheme was launched by which of the following state governments in January 2021?

- Ans**
- ☒ 1. Maharashtra
  - ☒ 2. Bihar
  - ☒ 3. Gujarat
  - ☒ 4. Uttar Pradesh

Question ID : **81616112956**  
Status : **Answered**  
Chosen Option : **4**

**Q.8 Which Schedule of the Indian Constitution demarcates the powers of the Union and the States, that is Union List, State List and Concurrent List?**

- Ans** ☒ 1. Seventh Schedule  
☐ 2. Fourth Schedule  
☐ 3. First Schedule  
☐ 4. Third Schedule

Question ID : **81616113660**  
Status : **Answered**  
Chosen Option : **1**

**Q.9 According to which of the following Articles of the Constitution of India shall a Money Bill not be introduced in a Legislative Council?**

- Ans** ☐ 1. Article 189  
☐ 2. Article 451  
☒ 3. Article 198  
☐ 4. Article 333

Question ID : **81616113356**  
Status : **Answered**  
Chosen Option : **1**

**Q.10 One of the major events of Ashoka's reign was the convening of the \_\_\_\_\_ Buddhist Sangha (council) in 250 BCE in the capital Pataliputra.**

- Ans** ☐ 1. Fourth  
☐ 2. Second  
☒ 3. Third  
☐ 4. First

Question ID : **81616112340**  
Status : **Answered**  
Chosen Option : **3**

**Q.11 Where is the headquarters of the Badminton World Federation located?**

- Ans** ☒ 1. Malaysia  
☐ 2. Singapore  
☐ 3. Switzerland  
☐ 4. Japan

Question ID : **81616112954**  
Status : **Answered**  
Chosen Option : **1**

**Q.12 'Panche' is a traditional sarong worn by the men in the state of \_\_\_\_.**

- Ans** ☒ 1. Kerala  
☒ 2. Karnataka  
☒ 3. Sikkim  
☒ 4. Assam

Question ID : **81616112328**  
Status : **Answered**  
Chosen Option : **1**

**Q.13 Who among the following was the first Indian badminton player to qualify for two events - mixed doubles and women's doubles - in the Olympics?**

- Ans** ☒ 1. Ashwini Ponnappa  
☒ 2. Saina Nehwal  
☒ 3. PV Sindhu  
☒ 4. Jwala Gutta

Question ID : **81616112349**  
Status : **Not Answered**  
Chosen Option : **--**

**Q.14 Which book written by Douglas Stuart won him the Booker Prize 2020?**

- Ans** ☒ 1. The White Tiger  
☒ 2. Hamnet  
☒ 3. Shuggie Bain  
☒ 4. The Testaments

Question ID : **81616113658**  
Status : **Answered**  
Chosen Option : **3**

**Q.15 Henry Moniz has been appointed as the first-ever Chief Compliance Officer of which of the following tech giants in January 2021?**

- Ans** ☒ 1. Google LLC  
☒ 2. Apple Inc.  
☒ 3. Twitter Inc.  
☒ 4. Facebook Inc.

Question ID : **81616112958**  
Status : **Answered**  
Chosen Option : **4**

**Q.16** When a river originates from a hill and flows in all directions, the drainage pattern is known as \_\_\_\_\_.

- Ans**
- ☐ 1. dendritic
  - ☐ 2. trellis
  - ☒ 3. radial
  - ☐ 4. centripetal

Question ID : **81616113651**  
Status : **Answered**  
Chosen Option : **3**

**Q.17** Which of the following liquids has the highest pH?

- Ans**
- ☐ 1. Human blood
  - ☐ 2. Orange juice
  - ☒ 3. Milk of magnesia
  - ☐ 4. Lemon juice

Question ID : **81616113649**  
Status : **Answered**  
Chosen Option : **3**

**Q.18** In medicine, \_\_\_\_\_ is a device such as a small metal plate or needle that carries electricity from an instrument to a patient for treatment or surgery.

- Ans**
- ☐ 1. a machmeter
  - ☒ 2. an electrode
  - ☐ 3. a venturimeter
  - ☐ 4. an electrolyte

Question ID : **81616112939**  
Status : **Answered**  
Chosen Option : **2**

**Q.19** The area served by a canal system through supply of water for irrigation and other purposes is called a \_\_\_\_\_.

- Ans**
- ☒ 1. command area
  - ☐ 2. gross irrigated area
  - ☐ 3. net irrigated area
  - ☐ 4. net sown area

Question ID : **81616113347**  
Status : **Answered**  
Chosen Option : **2**

**Q.20** Muhammad Ghorī attacked Tabarhinda (Bhatinda) in 1191, a strategic point for \_\_\_\_.

- Ans**
- ☒ 1. Rana Kumbha
  - ☒ 2. Hem Chandra Vikramaditya
  - ☒ 3. Maharana Pratap Singh
  - ☒ 4. Prithviraj Chauhan

Question ID : **81616112343**

Status : **Answered**

Chosen Option : **4**

**Q.21** The Indian Forest Act 1927 was enacted after repealing which of the following Indian forest acts?

- Ans**
- ☒ 1. Indian Forest Act, 1865
  - ☒ 2. Indian Forest Act, 1878
  - ☒ 3. Indian Forest Act, 1882
  - ☒ 4. Indian Forest Act, 1922

Question ID : **81616113351**

Status : **Not Answered**

Chosen Option : **--**

**Q.22** According to Ashokan edicts, how many years after becoming the king did Ashoka wage war on Kalinga?

- Ans**
- ☒ 1. Eight
  - ☒ 2. Six
  - ☒ 3. Five
  - ☒ 4. Seven

Question ID : **81616113655**

Status : **Not Answered**

Chosen Option : **--**

**Q.23** All the non-zero vectors are called \_\_\_\_.

- Ans**
- ☒ 1. equal vectors
  - ☒ 2. co-initial vectors
  - ☒ 3. coplanar vectors
  - ☒ 4. proper vectors

Question ID : **81616112332**

Status : **Answered**

Chosen Option : **3**

**Q.24** Which of the following books is authored by Dalai Lama and launched by him in February 2021?

- Ans**
- ☐ 1. The Little Book of Hope
  - ☐ 2. Connecting, Communicating, Changing
  - ☒ 3. The Little Book of Encouragement
  - ☐ 4. A Little Book of Courage

Question ID : **81616112950**  
Status : **Answered**  
Chosen Option : **4**

**Q.25** G20 Leaders' Summit 2020 was held virtually on 20th and 21st November 2020 and was presided by\_\_\_\_\_.

- Ans**
- ☐ 1. Iran
  - ☒ 2. Saudi Arabia
  - ☐ 3. India
  - ☐ 4. Pakistan

Question ID : **81616113664**  
Status : **Answered**  
Chosen Option : **2**

Section : **Quantitative Aptitude**

**Q.1** Simplify the following expression:

$$7 \times 4 \div 21 \text{ of } 4 - 5 \div 4 \times (9 - 13) + 2 - 2 \div 8$$

- Ans**
- ☒ 1.  $7\frac{1}{12}$
  - ☐ 2.  $5\frac{1}{16}$
  - ☐ 3.  $5\frac{1}{3}$
  - ☐ 4.  $12\frac{1}{2}$

Question ID : **81616112960**  
Status : **Answered**  
Chosen Option : **1**

**Q.2** Fourth proportion to 12, 18, 6 is equal to the third proportion to 4, k. What is the value of k?

- Ans**
- ☐ 1. 6.5
  - ☐ 2. 4
  - ☒ 3. 6
  - ☐ 4.  $4\sqrt{3}$

Question ID : **81616112359**  
Status : **Answered**  
Chosen Option : **3**



**Q.3** If  $2x^2 - 7x + 5 = 0$ , then what is the value of  $x^3 + \frac{125}{8x^3}$  ?

**Ans**

☐ 1.  $18\frac{5}{8}$

☐ 2.  $12\frac{5}{8}$

☒ 3.  $16\frac{5}{8}$

☐ 4.  $10\frac{5}{8}$

Question ID : **81616113376**

Status : **Answered**

Chosen Option : **3**

**Q.4** A sum of ₹25600 is invested on simple interest partly at 7% per annum and the remaining at 9% per annum. The total interest at the end of 3 years is ₹5832. How much money (in ₹) was invested at 9% per annum?

**Ans**

☒ 1. 7600

☐ 2. 9600

☐ 3. 18000

☐ 4. 16000

Question ID : **81616113370**

Status : **Answered**

Chosen Option : **1**

**Q.5** In an examination, the average score of a student was 67.6. If he would have got 27 more marks in Mathematics, 10 more marks in Computer Science, 18 more marks in History and retained the same marks in other subjects, then his average score would have been 72.6. How many papers were there in the examination?

**Ans**

☐ 1. 9

☐ 2. 12

☒ 3. 11

☐ 4. 10

Question ID : **81616113668**

Status : **Answered**

Chosen Option : **3**

**Q.6** Table shows income (in Rs) received by 4 employees of a company during the month of December 2020 and the income sources.

Source	Amit	Suresh	Nitin	Varun
Salary	35000	38500	29000	42000
Arrears	6000	6300	5000	7500
Bonus	1000	1100	1000	1240
Overtime	1800	1950	1400	1500

Whose income from all sources except salary is more than 25% of his salary?

- Ans** ☒ 1. None  
☒ 2. Amit and Nitin  
☒ 3. Varun  
☒ 4. Amit

Question ID : 81616112276

Status : Answered

Chosen Option : 1

**Q.7** A boat covers a round trip journey between two points A and B in a river in T hours. If its speed in still water becomes 2 times, it would take  $\frac{80}{161}T$  hours for the same journey. Find the ratio of its speed in still water to the speed of the river.

- Ans** ☒ 1. 161 : 40  
☒ 2. 2 : 1  
☒ 3. 1 : 11  
☒ 4. 11 : 1

Question ID : 81616112362

Status : Not Answered

Chosen Option : --

**Q.8** Table shows the number of trees planted in 4 cities from 2016 to 2020.

Years	Chandigarh	Ahmadabad	Pune	Kolkata
2016	1800	2500	1800	2000
2017	2500	2300	1850	1800
2018	2300	2400	1840	1760
2019	2440	1950	1900	1600
2020	2250	2100	2000	1750

In which city were maximum trees planted in 2016 and 2019 taken together?

- Ans**
- ☒ 1. Kolkata
  - ☒ 2. Chandigarh
  - ☒ 3. Ahmedabad
  - ☒ 4. Pune

Question ID : **81616112274**  
 Status : **Answered**  
 Chosen Option : **3**

**Q.9** 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

Total marks obtained by Amit, Abhi and Anuj in subject E is what percent more than the total marks obtained by all the six students in subject B? (correct to one decimal place)

- Ans**
- ☒ 1. 8.5
  - ☒ 2. 7.2
  - ☒ 3. 7.5
  - ☒ 4. 8.4

Question ID : **81616113891**  
 Status : **Answered**  
 Chosen Option : **3**

**Q.10** Radha saves  $x\%$  of her income. If her income increases by 28% and the expenditure increases by 20%, then her savings increase by 40%. What is the value of  $x$  ?

- Ans**
- ☒ 1. 35
  - ☒ 2. 50
  - ☒ 3. 25
  - ☒ 4. 40

Question ID : 81616113367  
Status : Answered  
Chosen Option : 4

**Q.11** Find the value of  $\frac{\tan^2 30^\circ}{\sec^2 30^\circ} + \frac{\operatorname{cosec}^2 45^\circ}{\cot^2 45^\circ} - \frac{\sec^2 60^\circ}{\operatorname{cosec}^2 60^\circ}$ .

- Ans**
- ☒ 1.  $-\frac{3}{4}$
  - ☒ 2.  $\frac{5}{4}$
  - ☒ 3.  $\frac{23}{12}$
  - ☒ 4.  $\frac{13}{4}$

Question ID : 81616112978  
Status : Answered  
Chosen Option : 1

**Q.12** If the 5 - digit number  $593ab$  is divisible by 3, 7 and 11, then what is the value of  $(a^2 - b^2 + ab)$  ?

- Ans**
- ☒ 1. 25
  - ☒ 2. 35
  - ☒ 3. 31
  - ☒ 4. 29

Question ID : 81616113363  
Status : Answered  
Chosen Option : 4

**Q.13** Pipes A and B can fill a tank in 12 hours and 16 hours respectively and pipe C can empty the full tank in 24 hours. All three pipes are opened together, but after 4 hours pipe B is closed. In how many hours, the empty tank will be completely filled?

- Ans**
- ☒ 1. 28
  - ☒ 2. 32
  - ☒ 3. 18
  - ☒ 4. 14

Question ID : 81616113371  
Status : Answered  
Chosen Option : 3

**Q.14** If  $8 + 2px^2 - 36x - 27x^3 = (2 - 3x)^3$ , then what is the value of  $p$ ?

- Ans**
- ☒ 1. -27
  - ☒ 2. 9
  - ☒ 3. 27
  - ☒ 4. 54

Question ID : 81616112365

Status : Answered

Chosen Option : 3

**Q.15** A circle is inscribed in a quadrilateral ABCD, touching sides AB, BC CD and DA at P, Q, R and S, respectively. If AS = 6 cm, BC = 12 cm, and CR = 5 cm, then the length of AB (in cm) is:

- Ans**
- ☒ 1. 12
  - ☒ 2. 13
  - ☒ 3. 15
  - ☒ 4. 11

Question ID : 81616113378

Status : Answered

Chosen Option : 2

**Q.16** In triangle ABC, AD is the bisector of  $\angle A$ . If AB = 5 cm, AC = 7.5 cm and BC = 10 cm, then what is the distance of D from the mid-point of BC (in cm)?

- Ans**
- ☒ 1. 2.2
  - ☒ 2. 1
  - ☒ 3. 1.5
  - ☒ 4. 2

Question ID : 81616112975

Status : Answered

Chosen Option : 2

**Q.17** Vertices A, B, C and D of a quadrilateral ABCD lie on a circle.  $\angle A$  is three times  $\angle C$  and  $\angle D$  is two times  $\angle B$ . What is the difference between the measures of  $\angle D$  and  $\angle C$ ?

- Ans**
- ☒ 1.  $65^\circ$
  - ☒ 2.  $55^\circ$
  - ☒ 3.  $45^\circ$
  - ☒ 4.  $75^\circ$

Question ID : 81616113680

Status : Answered

Chosen Option : 4

**Q.18** In festival season, a shopkeeper allows a discount of 10% on every item. Even after giving the discount, he makes a profit of 20%. If he does not give any discount, then what will be his profit percent? (correct to 2 decimal places)

- Ans**
- ✓ 1. 33.33
  - ✗ 2. 33.43
  - ✗ 3. 25
  - ✗ 4. 33

Question ID : 81616112356  
Status : Answered  
Chosen Option : 1

**Q.19** If  $x$  is a real quantity, what is the minimum value of  $(25 \cos^2 x + 9 \sec^2 x)$  ?

- Ans**
- ✓ 1. 30
  - ✗ 2. 15
  - ✗ 3. 20
  - ✗ 4. 40

Question ID : 81616113685  
Status : Answered  
Chosen Option : 1

**Q.20** If  $\sin^2 \theta - \cos^2 \theta - 3 \sin \theta + 2 = 0$ ,  $0^\circ < \theta < 90^\circ$ , then what is the value of  $\frac{1}{\sqrt{\sec \theta - \tan \theta}}$  is:

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

Question ID : 81616113381  
Status : Answered  
Chosen Option : 1

**Q.21** If  $x + \frac{1}{x} = \frac{17}{4}$ ,  $x > 1$ , then what is the value of  $x - \frac{1}{x}$ ?

- Ans**
- ✗ 1.  $\frac{8}{3}$
  - ✓ 2.  $\frac{15}{4}$
  - ✗ 3.  $\frac{3}{2}$
  - ✗ 4.  $\frac{9}{4}$

Question ID : 81616112970  
Status : Answered  
Chosen Option : 2

**Q.22** In  $\triangle ABC$ ,  $\angle A = 50^\circ$ . If the bisectors of the angle B and angle C, meet at a point O, then  $\angle BOC$  is equal to:

- Ans** ☒ 1.  $130^\circ$   
☒ 2.  $115^\circ$   
☒ 3.  $65^\circ$   
☒ 4.  $50^\circ$

Question ID : **81616113683**

Status : **Answered**

Chosen Option : **2**

**Q.23** The area of a square shaped field is  $1764 \text{ m}^2$ . The breadth of a rectangular park is  $\frac{1}{6}$ th of the side of the square field and the length is four times its breadth. What is the cost (in ₹) of levelling the park at ₹30 per  $\text{m}^2$ ?

- Ans** ☒ 1. 6342  
☒ 2. 4768  
☒ 3. 2940  
☒ 4. 5880

Question ID : **81616113676**

Status : **Answered**

Chosen Option : **4**

**Q.24** 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 average marks of Manju, Rekha and Abhi in subject B are?

- Ans** ☒ 1. 56  
☒ 2. 54  
☒ 3. 60  
☒ 4. 62

Question ID : **81616113889**

Status : **Answered**

Chosen Option : **3**

**Q.25** A fruit merchant bought some bananas. One fifth of them got rotten and were thrown away. He sold two fifth of the bananas with him at 15% profit and the remaining bananas at 10% profit. Find his overall loss or profit percent?

- Ans**
- ☒ 1. Loss, 10.4%
  - ☐ 2. Profit, 10.4%
  - ☐ 3. Profit, 9.6%
  - ☐ 4. Loss, 9.6%

Question ID : **81616112964**  
Status : **Not Answered**  
Chosen Option : --

Section : **English Comprehension**

**Q.1** Select the most appropriate synonym of the given word.

**Banner**

- Ans**
- ☐ 1. March
  - ☐ 2. Rally
  - ☐ 3. Protest
  - ☒ 4. Poster

Question ID : **81616113705**  
Status : **Answered**  
Chosen Option : **4**

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

**On cloud nine**

- Ans**
- ☒ 1. Extremely happy
  - ☐ 2. Flying with a parachute
  - ☐ 3. Extremely sad
  - ☐ 4. Frequently flying by air

Question ID : **81616112396**  
Status : **Answered**  
Chosen Option : **1**

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

**Fecund**

- Ans**
- ☐ 1. Genial
  - ☐ 2. Polite
  - ☐ 3. Rude
  - ☒ 4. Barren

Question ID : **81616113000**  
Status : **Answered**  
Chosen Option : **3**



**Q.4** Select the option that can be used as a one-word substitute for the given group of words.

The state of being subject to death

- Ans** ☒ 1. Mortality  
☐ 2. Deadly  
☐ 3. Morbidity  
☐ 4. Immortality

Question ID : 81616113409  
Status : Answered  
Chosen Option : 3

**Q.5** Select the option that expresses the given sentence in indirect speech.

The counter clerk asked the visitor, "What is your name?"

- Ans** ☐ 1. The counter clerk asks the visitor your name.  
☐ 2. The counter clerk has asked the visitor his name.  
☐ 3. The counter clerk is asking the visitor your name.  
☒ 4. The counter clerk asked the visitor his name.

Question ID : 81616113694  
Status : Answered  
Chosen Option : 4

**Q.6** Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

What were the examples that the writer gave to prove his point?

- Ans** ☐ 1. No substitution  
☐ 2. given to prove his point  
☐ 3. give for proving his point  
☒ 4. gave to prove his point

Question ID : 81616113696  
Status : Answered  
Chosen Option : 4

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

The government has hardened its \_\_\_\_\_ against the agitators and imposed a curfew in the area.

- Ans** ☐ 1. bearing  
☐ 2. orientation  
☒ 3. stance  
☐ 4. manner

Question ID : 81616113412  
Status : Answered  
Chosen Option : 3

**Q.8** Select the most appropriate **ANTONYM** of the given word.

Harmony

- Ans ☒ 1. Rapport  
☒ 2. Peace  
☒ 3. Hatred  
☒ 4. Friendship

Question ID : 81616112395

Status : Answered

Chosen Option : 3

**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. Inspector: "Were you sleeping when the robbers entered the bank?"  
B. Guard: "The iron grill lock was broken and the bank looked ransacked but the robbers could not take away anything as I had returned quickly."  
C. Inspector: "What did you see when you came back?"  
D. Guard: "No Sir. The bank had closed and I had just gone to relieve myself."

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

Question ID : 81616112391

Status : Answered

Chosen Option : 1

**Q.10** 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.

The army / marched fearless / towards / the enemy cantonment.

- Ans ☒ 1. the enemy cantonment  
☒ 2. marched fearless  
☒ 3. towards  
☒ 4. The army

Question ID : 81616112378

Status : Answered

Chosen Option : 2

**Q.11** 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.

Several prominent film stars / have appeared on television / on behalf of awareness / about hand hygiene.

- Ans ☒ 1. have appeared on television  
☒ 2. about hand hygiene  
☒ 3. Several prominent film stars  
☒ 4. on behalf of awareness

Question ID : 81616113389

Status : Answered

Chosen Option : 4

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

A musical composition made up of a series of songs or short pieces

- Ans
- ☒ 1. Lyric
  - ☒ 2. Band
  - ☒ 3. Medley
  - ☒ 4. Orchestra

Question ID : 81616113408  
Status : Answered  
Chosen Option : 3

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

Absolve

- Ans
- ☒ 1. Pardon
  - ☒ 2. Attack
  - ☒ 3. Accuse
  - ☒ 4. Condemn

Question ID : 81616113706  
Status : Answered  
Chosen Option : 1

**Q.14** Select the option that expresses the given sentence in passive voice.

He gave Kaveri a beautiful yellow dress.

- Ans
- ☒ 1. Kaveri has given a beautiful yellow dress by him.
  - ☒ 2. Kaveri was given a beautiful yellow dress by him.
  - ☒ 3. Kaveri has been given a beautiful yellow dress by him.
  - ☒ 4. Kaveri is given a beautiful yellow dress by him.

Question ID : 81616113390  
Status : Answered  
Chosen Option : 2

**Q.15** Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Refurbish
  - ☒ 2. Sanctity
  - ☒ 3. Esscalator
  - ☒ 4. Automated

Question ID : 81616113007  
Status : Answered  
Chosen Option : 3

**Q.16** Select the most appropriate meaning of the given idiom.

**Draw the line at something**

- Ans**
- ☒ 1. Agreeing to an idea
  - ☒ 2. Coming to a conclusion
  - ☒ 3. Accept something up to a particular point
  - ☒ 4. Making pencil sketches

Question ID : 81616112397

Status : **Not Answered**

Chosen Option : --

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

If you are not able to go out, did not worry.

- Ans**
- ☒ 1. No substitution
  - ☒ 2. don't worried
  - ☒ 3. do not worry
  - ☒ 4. worrying not

Question ID : 81616113392

Status : **Answered**

Chosen Option : 3

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

We are bewildered by the power which science has suddenly placed in our laps, and we are \_\_\_\_\_ by the realisation of our unpreparedness to deal with a crisis.

- Ans**
- ☒ 1. humbled
  - ☒ 2. demeaned
  - ☒ 3. condemned
  - ☒ 4. proud

Question ID : 81616113716

Status : **Answered**

Chosen Option : 1

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

- Ans**
- ☒ 1. Elite
  - ☒ 2. Secrete
  - ☒ 3. Concrete
  - ☒ 4. Petete

Question ID : 81616113006

Status : **Answered**

Chosen Option : 4

**Q.20** 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. Information Communication Technology tools have brought in additional changes along with means of communication.  
B. These changes have enabled man to communicate faster.  
C. Communication has not only become faster but easier too.  
D. The result is a more relaxed life than ever before.

Ans ☒ 1. DBCA  
☒ 2. CDBA  
☒ 3. ABDC  
☒ 4. ABCD

Question ID : 81616112996  
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.

Almost everyone in the present world is familiar with the term 'Global Warming'. It (1)\_\_\_\_\_ to the gradual rise in the overall temperature of the atmosphere (2)\_\_\_\_\_ the planet Earth. It is true that there are (3)\_\_\_\_\_ activities taking place which have been increasing the temperature (4)\_\_\_\_\_. The first impact of global warming is melting of (5)\_\_\_\_\_ in a rapid way. This is extremely harmful to the earth as well as to its inhabitants.

**SubQuestion No : 21**

**Q.21** Select the most appropriate option to fill in blank no.1.

Ans ☒ 1. means  
☒ 2. refers  
☒ 3. connects  
☒ 4. seems

Question ID : 81616112991  
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.

Almost everyone in the present world is familiar with the term 'Global Warming'. It (1)\_\_\_\_\_ to the gradual rise in the overall temperature of the atmosphere (2)\_\_\_\_\_ the planet Earth. It is true that there are (3)\_\_\_\_\_ activities taking place which have been increasing the temperature (4)\_\_\_\_\_. The first impact of global warming is melting of (5)\_\_\_\_\_ in a rapid way. This is extremely harmful to the earth as well as to its inhabitants.

**SubQuestion No : 22**

**Q.22** Select the most appropriate option to fill in blank no.2.

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

Question ID : 81616112992  
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.

Almost everyone in the present world is familiar with the term 'Global Warming'. It (1)\_\_\_\_\_ to the gradual rise in the overall temperature of the atmosphere (2)\_\_\_\_\_ the planet Earth. It is true that there are (3)\_\_\_\_\_ activities taking place which have been increasing the temperature (4)\_\_\_\_\_. The first impact of global warming is melting of (5)\_\_\_\_\_ in a rapid way. This is extremely harmful to the earth as well as to its inhabitants.

**SubQuestion No : 23**

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

- Ans** ☒ 1. useful  
☒ 2. sudden  
☒ 3. separate  
☒ 4. several

Question ID : **81616112993**

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.

Almost everyone in the present world is familiar with the term 'Global Warming'. It (1)\_\_\_\_\_ to the gradual rise in the overall temperature of the atmosphere (2)\_\_\_\_\_ the planet Earth. It is true that there are (3)\_\_\_\_\_ activities taking place which have been increasing the temperature (4)\_\_\_\_\_. The first impact of global warming is melting of (5)\_\_\_\_\_ in a rapid way. This is extremely harmful to the earth as well as to its inhabitants.

**SubQuestion No : 24**

**Q.24** Select the most appropriate option to fill in blank no.4.

- Ans** ☒ 1. frequently  
☒ 2. gradually  
☒ 3. purposely  
☒ 4. properly

Question ID : **81616112994**

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.

Almost everyone in the present world is familiar with the term 'Global Warming'. It (1)\_\_\_\_\_ to the gradual rise in the overall temperature of the atmosphere (2)\_\_\_\_\_ the planet Earth. It is true that there are (3)\_\_\_\_\_ activities taking place which have been increasing the temperature (4)\_\_\_\_\_. The first impact of global warming is melting of (5)\_\_\_\_\_ in a rapid way. This is extremely harmful to the earth as well as to its inhabitants.

**SubQuestion No : 25**

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

**Ans**  1. mountains

 2. glaciers

 3. rivers

 4. lakes

Question ID : **81616112995**

Status : **Answered**

Chosen Option : **2**