

## Combined Graduate Level Examination 2020 Tier-I

Roll Number	
Candidate Name	
Venue Name	Ion Digital Zone IDZ2 Mundka
Exam Date	17/08/2021
Exam Time	12:00 PM - 1:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

### Section : General Intelligence and Reasoning

**Q.1** 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. SHLO

☒ 2. JQTG

☒ 3. KPSH

☒ 4. DWZA

Question ID : 81616113618

Status : Marked For Review

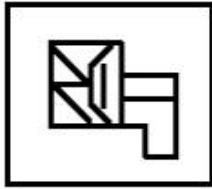
Chosen Option : 1

Q.2 Select the option figure in which the given figure is embedded (rotation is NOT allowed).



Ans

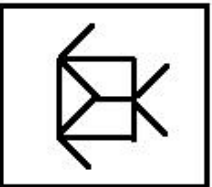
✓ 1.



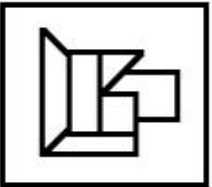
✗ 2.



✗ 3.



✗ 4.



Question ID : 81616113132

Status : Answered

Chosen Option : 1

Q.3 In a certain code language 'PAYMENT' is coded as '6101814111520' and 'JUSTIFY' is coded as '11141519151620'. How will 'COMPARE' be coded in that language?

Ans ✓ 1. 681013101113

✗ 2. 601811031131

✗ 3. 613101113801

✗ 4. 680113111103

Question ID : 81616112714

Status : Not Answered

Chosen Option : --

**Q.4** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

pq\_dh\_qmd\_p\_m\_h\_q\_dh

- Ans ☒ 1. m, p, h, q, d, p, m  
☒ 2. m, p, q, h, d, p, m  
☒ 3. d, m, m, p, p, h, q  
☒ 4. d, h, m, m, p, p, q

Question ID : 81616113119

Status : Answered

Chosen Option : 1

**Q.5** Select the correct combination of mathematical signs that can sequentially replace the \* signs and balance the equation.

$18 * 12 * 4 * 5 * 6 * 53$

- Ans ☒ 1.  $\times, \div, -, +, =$   
☒ 2.  $\times, \div, +, -, =$   
☒ 3.  $\times, \div, =, +, -$   
☒ 4.  $\times, \div, +, =, -$

Question ID : 81616112723

Status : Answered

Chosen Option : 2

**Q.6** Study the given pattern carefully and select the number that can replace the question mark (?) in it.

3 11 2  
 5 11 7  
 13 ? 18

- Ans ☒ 1. 29  
☒ 2. 27  
☒ 3. 33  
☒ 4. 31

Question ID : 81616113428

Status : Not Answered

Chosen Option : --

**Q.7** Three of the following four number pairs are alike in a certain way and one is different. Pick the odd one out.

- Ans ☒ 1. 78 : 127  
☒ 2. 61 : 97  
☒ 3. 56 : 136  
☒ 4. 25 : 89

Question ID : 81616112720

Status : Not Answered

Chosen Option : --

Q.8 Select the option that is related to the third word in the same way as the second word is related to the first word.

Dermatologist : Skin : Neonatologist : ?

- Ans
- ☒ 1. Immunity
  - ☒ 2. Infants
  - ☒ 3. Hormones
  - ☒ 4. Liver

Question ID : 81616113620

Status : Answered

Chosen Option : 2

Q.9 Pointing to a player in a stadium, Sanjana said, "He is my paternal grandmother's only son's only son-in-law's son". How is that player's father related to Sanjana?

- Ans
- ☒ 1. Brother
  - ☒ 2. Uncle
  - ☒ 3. Cousin
  - ☒ 4. Husband

Question ID : 81616113120

Status : Not Answered

Chosen Option : --

Q.10 Gautam's present age is equal to 20% of his father's age 15 years ago, and Gaurav's (brother of Gautam) present age is 60% of his father's age 10 years ago. If the sum of Gautam's present age and Gaurav's present age is 31, then find their father's present age.

- Ans
- ☒ 1. 40 years
  - ☒ 2. 50 years
  - ☒ 3. 55 years
  - ☒ 4. 45 years

Question ID : 81616113128

Status : Not Answered

Chosen Option : --

Q.11 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.

12 : 136 :: ? : 188 :: 24 : 568

- Ans
- ☒ 1. 14
  - ☒ 2. 26
  - ☒ 3. 32
  - ☒ 4. 41

Question ID : 81616113426

Status : Answered

Chosen Option : 1

**Q.12** Select the option in which the numbers are related in the same way as are the numbers of the following set.

(9, 21, 124)

- Ans ☒ 1. (5, 16, 220)  
☒ 2. (14, 58, 112)  
☒ 3. (11, 64, 131)  
☒ 4. (17, 37, 220)

Question ID : 81616112722

Status : Not Answered

Chosen Option : --

**Q.13** 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 camels are bats.

No bat is a parrot.

Some camels are lions.

Conclusions:

I. Some bats are lions.

II. No parrot is a camel.

III. No parrot is a lion.

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

Question ID : 81616113424

Status : Answered

Chosen Option : 4

**Q.14** Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

TALT, YAGT, YFGO, DFBO, DKBJ, ?

- Ans ☒ 1. BDEP  
☒ 2. IKWJ  
☒ 3. DPBE  
☒ 4. IJKW

Question ID : 81616113111

Status : Answered

Chosen Option : 2

Q.15 In a certain code language, 'PERMIT' is written as 'GRNIVK'. How will 'CONDUCE' be written in that language?

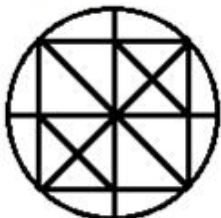
- Ans
- ☒ 1. XLMWFXV
  - ☒ 2. VXFWMXLX
  - ☒ 3. VFXMWXL
  - ☒ 4. VXFMWLX

Question ID : 81616113420

Status : Answered

Chosen Option : 2

Q.16 Find the number of triangles in the given figure.



- Ans
- ☒ 1. 26
  - ☒ 2. 28
  - ☒ 3. 24
  - ☒ 4. 30

Question ID : 81616112726

Status : Answered

Chosen Option : 2

Q.17 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different.

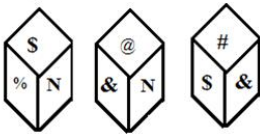
- Ans
- ☒ 1. Joy stick
  - ☒ 2. Keyboard
  - ☒ 3. Projector
  - ☒ 4. Microphone

Question ID : 81616112710

Status : Marked For Review

Chosen Option : 3

**Q.18** Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the face having 'N'.



- Ans**
- ✓ 1. #
  - ✗ 2. &
  - ✗ 3. %
  - ✗ 4. @

Question ID : 81616112727

Status : Answered

Chosen Option : 1

**Q.19** Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

PORTABLE |  
P  
Q

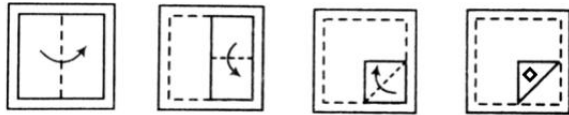
- Ans**
- ✗ 1. ЪОКѲԼԬԵ
  - ✓ 2. ԼԼԲԬԬԵ
  - ✗ 3. ЪОКԼԬԵ
  - ✗ 4. ԼԼԲԬԬԵ

Question ID : 81616113133

Status : Answered

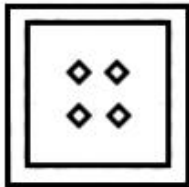
Chosen Option : 2

**Q.20** 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?

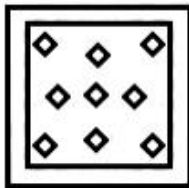


Ans

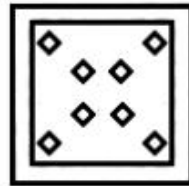
✗ 1.



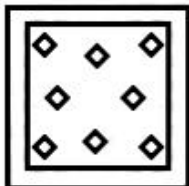
✗ 2.



✓ 3.



✗ 4.



Question ID : 81616113134

Status : Answered

Chosen Option : 3

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

5, 11, 25, 55, 117, 243, ?

Ans

✗ 1. 473

✗ 2. 437

✗ 3. 479

✓ 4. 497

Question ID : 81616113627

Status : Answered

Chosen Option : 4



Q.22 Select the option in which the words share the same relationship as that shared by the given pair of words.

Sympathy : Affinity

Ans ☒ 1. Vain : Modest

☒ 2. Tranquil : Serene

☒ 3. Vivid : Dark

☒ 4. Tame : Harsh

Question ID : 81616113116

Status : Marked For Review

Chosen Option : 2

Q.23 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Ecology
2. Enormous
3. Electric
4. Exterior
5. Ecliptic

Ans ☒ 1. 5, 1, 2, 3, 4

☒ 2. 5, 1, 3, 2, 4

☒ 3. 1, 5, 4, 3, 2

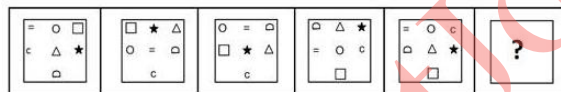
☒ 4. 1, 5, 2, 3, 4

Question ID : 81616113617

Status : Answered

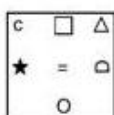
Chosen Option : 2

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

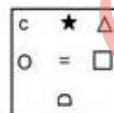


Ans

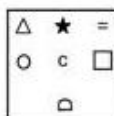
☒ 1.



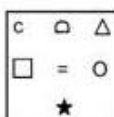
☒ 2.



☒ 3.



☒ 4.

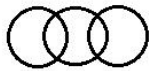


Question ID : 81616113634

Status : Not Answered

Chosen Option : --

**Q.25** Select the set of classes, the relationship among which is best illustrated by the following Venn diagram.



- Ans
- ☒ 1. Yamuna, Rivers, Kaveri
  - ☒ 2. Girls, Intelligent, Boys
  - ☒ 3. Stationary, Pencil, Stapler
  - ☒ 4. Vegetarian, Woman, Sisters

Question ID : **81616113438**  
Status : **Marked For Review**  
Chosen Option : **2**

Section : General Awareness

**Q.1** The river Giri is an important tributary of the \_\_\_\_.

- Ans
- ☒ 1. Cauvery
  - ☒ 2. Yamuna
  - ☒ 3. Godavari
  - ☒ 4. Brahmaputra

Question ID : **81616112741**  
Status : **Not Answered**  
Chosen Option : --

**Q.2** Who became India's first badminton world champion in 2019?

- Ans
- ☒ 1. PV Sindhu
  - ☒ 2. Kidambi Srikanth
  - ☒ 3. Jwala Gutta
  - ☒ 4. Saina Nehwal

Question ID : **81616113661**  
Status : **Marked For Review**  
Chosen Option : **1**

**Q.3** The vertebrae are a part of which of the following body systems in humans?

- Ans
- ☒ 1. Kidney
  - ☒ 2. Lungs
  - ☒ 3. Heart
  - ☒ 4. Spinal cord

Question ID : **81616113443**  
Status : **Marked For Review**  
Chosen Option : **4**

**Q.4** In November 2020, which country became the first in the world to make access to menstrual products a right?

- Ans**
- ☒ 1. Scotland
  - ☐ 2. England
  - ☐ 3. Wales
  - ☐ 4. Ireland

Question ID : **81616113663**  
Status : **Not Answered**  
Chosen Option : --

**Q.5** Which of the following popular kitchen ingredients is called the 'sugar eating fungus'?

- Ans**
- ☒ 1. Yeast
  - ☐ 2. Ketchup
  - ☐ 3. Vinegar
  - ☐ 4. Baking powder

Question ID : **81616112738**  
Status : **Marked For Review**  
Chosen Option : 1

**Q.6** Who was the President of the Athletics Federation of India as of January 2021?

- Ans**
- ☐ 1. Rajeev Kumar
  - ☒ 2. Adille Sumariwalla
  - ☐ 3. Avinash Sable
  - ☐ 4. Amrith Kumar

Question ID : **81616113460**  
Status : **Answered**  
Chosen Option : 2

**Q.7** SIMBEX is a military exercise conducted between the defense forces of which of the following nations?

- Ans**
- ☐ 1. India and the US
  - ☐ 2. India and Sri Lanka
  - ☐ 3. India and Thailand
  - ☒ 4. India and Singapore

Question ID : **81616113665**  
Status : **Marked For Review**  
Chosen Option : 4

**Q.8** What was the theme for the 3rd Global RE-INVEST Renewable Energy Investors Meet & Expo 2020?

- Ans**
- ☒ 1. Solar and Renewable Energy Innovations
  - ☒ 2. Research for Scientific Renewable Energy
  - ☒ 3. Investment for Sustainable Energy Transmission
  - ☒ 4. Innovations for Sustainable Energy Transition

Question ID : **81616113144**

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.9** Who won the 2020 Academy Award for 'Performance by an Actor in a Supporting Role'?

- Ans**
- ☒ 1. Leonardo DiCaprio
  - ☒ 2. Joaquin Phoenix
  - ☒ 3. Tom Hanks
  - ☒ 4. Brad Pitt

Question ID : **81616113657**

Status : **Marked For Review**

Chosen Option : 4

**Q.10** Mughal Emperor Shah Alam appointed the British East India Company as the Diwan of the province of Bengal in the year \_\_\_\_.

- Ans**
- ☒ 1. 1917
  - ☒ 2. 1765
  - ☒ 3. 1835
  - ☒ 4. 1623

Question ID : **81616113451**

Status : **Marked For Review**

Chosen Option : 2

**Q.11** Which Article of the Constitution of India deals with the 'Pardoning Power of the Governor'?

- Ans**
- ☒ 1. Article 189
  - ☒ 2. Article 161
  - ☒ 3. Article 173
  - ☒ 4. Article 150

Question ID : **81616112750**

Status : **Answered**

Chosen Option : 2

Q.12 Which of the following Indian cities is situated at the banks of Lake Pichola?

- Ans ☒ 1. Udaipur  
☐ 2. Ahmedabad  
☐ 3. Agra  
☐ 4. Kurnool

Question ID : 81616113146  
Status : Answered  
Chosen Option : 1

Q.13 According to which of the following Articles of the Constitution of India shall a Money Bill NOT be introduced in the Council of States?

- Ans ☐ 1. Article 354  
☒ 2. Article 109  
☐ 3. Article 298  
☐ 4. Article 193

Question ID : 81616113155  
Status : Answered  
Chosen Option : 2

Q.14 Who among the following took charge as Vice Chief of Army Staff in February 2021?

- Ans ☐ 1. Bipin Rawat  
☒ 2. Chandi Prasad Mohanty  
☐ 3. Raj Shukla  
☐ 4. SK Saini

Question ID : 81616113159  
Status : Not Answered  
Chosen Option : --

Q.15 Where does the river Brahmaputra originate?

- Ans ☐ 1. Glaciers of Mapchachungo  
☒ 2. Chemayungdung glacier of the Kailash range  
☐ 3. Garhwal hills near Gairsain  
☐ 4. Milam glacier in the Nepal Himalayas

Question ID : 81616113652  
Status : Answered  
Chosen Option : 1

Q.16 'Margomkali', a ritual folk art form, is from the state of \_\_\_\_\_.

- Ans ☐ 1. Assam  
☐ 2. Punjab  
☐ 3. Nagaland  
☒ 4. Kerala

Question ID : 81616112733  
Status : Not Answered  
Chosen Option : --

Q.17 Who among the following wrote 'The Light of Asia: The Poem that Defined the Buddha' that will narrate the phenomenal poem 'The Light of Asia'?

- Ans
- ☒ 1. Shashi Tharoor
  - ☒ 2. Chetan Bhagat
  - ☒ 3. Jairam Ramesh
  - ☒ 4. Salman Rushdie

Question ID : 81616113153

Status : Answered

Chosen Option : 3

Q.18 Which of the following states ranked first in the Export Preparedness Index 2020 released by Niti Aayog?

- Ans
- ☒ 1. Andhra Pradesh
  - ☒ 2. Gujarat
  - ☒ 3. Telangana
  - ☒ 4. Maharashtra

Question ID : 81616113138

Status : Answered

Chosen Option : 2

Q.19 Payment made to others for the purchase of factors of production is known as \_\_\_\_\_.

- Ans
- ☒ 1. explicit cost
  - ☒ 2. money cost
  - ☒ 3. real cost
  - ☒ 4. implicit cost

Question ID : 81616112735

Status : Marked For Review

Chosen Option : 4

Q.20 Who among the following freedom fighters wrote the poem 'Vande Mataram' in 1875?

- Ans
- ☒ 1. Bipin Chandra Pal
  - ☒ 2. Bhagat Singh
  - ☒ 3. Rabindranath Tagore
  - ☒ 4. Bankim Chandra Chatterjee

Question ID : 81616113150

Status : Answered

Chosen Option : 4

Q.21 In which of the following months is the 'Valvil Ori Vizha' festival of Tamil Nadu celebrated?

- Ans
- ☒ 1. May
  - ☒ 2. June
  - ☒ 3. January
  - ☒ 4. August

Question ID : 81616113439  
Status : Not Answered  
Chosen Option : --

Q.22 Who among the following was the first General Secretary of All India Kisan Congress?

- Ans
- ☒ 1. Sardar Vallabhbhai Patel
  - ☒ 2. NG Ranga
  - ☒ 3. Swami Sahajanand Saraswati
  - ☒ 4. Acharya Narendra Dev

Question ID : 81616113454  
Status : Marked For Review  
Chosen Option : 2

Q.23 Which Mughal prince translated the Upanishads into Persian in 1657?

- Ans
- ☒ 1. Sultan Luftallah
  - ☒ 2. Murad Mirza
  - ☒ 3. Dara Shikoh
  - ☒ 4. Shah Suja

Question ID : 81616112745  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.24 Which of the following is one of the main causes of tides?

- Ans
- ☒ 1. Gravitational pull of the Sun and the Moon
  - ☒ 2. Closed orbits of planets
  - ☒ 3. Rotation of Earth
  - ☒ 4. Solar flares

Question ID : 81616113646  
Status : Marked For Review  
Chosen Option : 1

Q.25 Melatonin encodes proteins in cells to prevent \_\_\_\_ entry.

- Ans
- ☒ 1. virus
  - ☒ 2. bacterium
  - ☒ 3. fungus
  - ☒ 4. protozoan

Question ID : 81616113446  
Status : Not Answered  
Chosen Option : --

## Section : Quantitative Aptitude

**Q.1** Points P, Q, R, S and T lie in this order on a circle with centre O. If chord TS is parallel to diameter PR and  $\angle RQT = 58^\circ$ , then find the measure (in degrees) of  $\angle RTS$ .

- Ans
- ☒ 1. 29
  - ☒ 2. 32
  - ☒ 3. 45
  - ☒ 4. 58

Question ID : 81616112772

Status : Not Answered

Chosen Option : --

Q.2

If  $\sin A = \frac{1}{2}$ , A is an acute angle, then find the value of  $\frac{\tan A - \cot A}{\sqrt{3}(1 + \operatorname{cosec} A)}$ .

- Ans
- ☒ 1.  $\frac{4\sqrt{3}}{9}$
  - ☒ 2.  $\frac{2}{9}$
  - ☒ 3.  $-\frac{2}{9}$
  - ☒ 4.  $-\frac{4\sqrt{3}}{9}$

Question ID : 81616112676

Status : Answered

Chosen Option : 3

**Q.3** In  $\triangle ABC$ , AD is the bisector of  $\angle A$  meeting BC at D. If AC = 21 cm, BC = 11 cm and the length of BD is 3 cm less than DC, then the length (in cm) of side AB is:

- Ans
- ☒ 1. 10
  - ☒ 2. 15
  - ☒ 3. 18
  - ☒ 4. 12

Question ID : 81616113682

Status : Answered

Chosen Option : 4



**Q.4** In  $\triangle ABC$ ,  $AD \perp BC$  at  $D$  and  $AE$  is the bisector of  $\angle A$ . If  $\angle B = 62^\circ$  and  $\angle C = 36^\circ$ , then what is the measure of  $\angle DAE$  ?

- Ans
- ☒ 1.  $23^\circ$
  - ☒ 2.  $27^\circ$
  - ☒ 3.  $54^\circ$
  - ☒ 4.  $13^\circ$

Question ID : 81616113178

Status : Answered

Chosen Option : 4

**Q.5** For  $0^\circ < \theta < 90^\circ$ ,

$$\frac{1}{\cos \theta} + \frac{1}{\tan \theta - \sec \theta}$$

is equal to:

- Ans
- ☒ 1.  $\sec \theta$
  - ☒ 2.  $-\sec \theta$
  - ☒ 3.  $-\tan \theta$
  - ☒ 4.  $\tan \theta$

Question ID : 81616113989

Status : Answered

Chosen Option : 3

**Q.6** What is the volume (in  $\text{cm}^3$ ) of a spherical shell whose inner and outer radii are respectively 2 cm and 3 cm?

- Ans
- ☒ 1.  $\frac{86\pi}{3}$
  - ☒ 2.  $\frac{56\pi}{3}$
  - ☒ 3.  $\frac{106\pi}{3}$
  - ☒ 4.  $\frac{76\pi}{3}$

Question ID : 81616113171

Status : Answered

Chosen Option : 4

- Q.7** Table shows District-wise data of the number of primary school teachers posted in schools of a city.  
Study the table and answer the question:

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

What is the average number of female teachers in the five districts?

- Ans**
- ☒ 1. 1690
  - ☒ 2. 2871
  - ☒ 3. 1698
  - ☒ 4. 1173

Question ID : 81616112879  
Status : Answered  
Chosen Option : 3

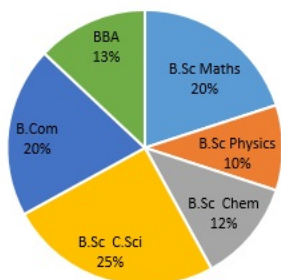
- Q.8** Find the smallest value of a so that  $42a48b$  ( $a > b$ ) is divisible by 11.

- Ans**
- ☒ 1. 9
  - ☒ 2. 4
  - ☒ 3. 5
  - ☒ 4. 0

Question ID : 81616112757  
Status : Marked For Review  
Chosen Option : 4

Q.9

Pie-chart shows the distribution of percentage of students in various courses.  
Total number of students is 1400



Percentage-wise distribution of number of boys:

Course	Number of boys
B.Sc Maths	40%
B.Sc Physics	68%
B.Sc Chem	58%
B.Sc C.Sci	80%
B.Com	75%
BBA	65%

What is the ratio of number of girls in B.Sc. Maths to number of boys in B.Sc. C. Sci.?

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

Question ID : 81616113588

Status : Answered

Chosen Option : 3

Q.10 In a class the ratio of rural to urban students is 4 : 7. In an examination the average percentage marks of the rural and the urban students are respectively 65 and 63. What is the overall average percentage marks of the class (correct to two decimal places)?

- Ans
- ☒ 1. 63.73%
  - ☒ 2. 65.87%
  - ☒ 3. 64.37%
  - ☒ 4. 73.63%

Question ID : 81616113163

Status : Answered

Chosen Option : 1

Q.11 If  $x^2 - \sqrt{11}x + 1 = 0$ , then  $(x^3 + x^{-3}) =$

- Ans
- ✓ 1.  $8\sqrt{11}$
  - ✗ 2.  $10\sqrt{11}$
  - ✗ 3.  $4\sqrt{11}$
  - ✗ 4.  $7\sqrt{11}$

Question ID : 81616113476

Status : Answered

Chosen Option : 1

Q.12 Rajan spent 10% of his salary on rent. He spent 20% of the remaining part of the salary on transport. After which he spent 40% of the balance of the salary on food. Further, he spent 80% of the balance on various bills. He deposits ₹5000 in the bank and kept the remaining ₹1480 for his own petty expenditure. Find his monthly salary (in ₹).

- Ans
- ✓ 1. 75000
  - ✗ 2. 80000
  - ✗ 3. 64800
  - ✗ 4. 82500

Question ID : 81616112761

Status : Answered

Chosen Option : 1

Q.13 If  $(x + y)^3 + 27(x - y)^3 = (Ax - 2y)(Bx^2 + Cxy + 13y^2)$ , then the value of  $A - B - C$  is:

- Ans
- ✗ 1. 27
  - ✓ 2. 13
  - ✗ 3. 15
  - ✗ 4. 20

Question ID : 81616113677

Status : Answered

Chosen Option : 2

Q.14  $5\frac{1}{5} \div \left[ 3\frac{1}{2} - \left\{ \frac{5}{6} - \left( \frac{3}{5} + \frac{1}{10} - \frac{4}{15} \right) \right\} \right]$  is equal to:

- Ans
- ✗ 1.  $\frac{22}{31}$
  - ✓ 2.  $\frac{52}{31}$
  - ✗ 3.  $\frac{12}{31}$
  - ✗ 4.  $\frac{72}{31}$

Question ID : 81616113667

Status : Answered

Chosen Option : 2

**Q.15** 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) the sale increases by more than 25% of the previous year?

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

Question ID : **81616112881**  
Status : **Answered**  
Chosen Option : **3**

**Q.16** A borrowed a sum of ₹160000 from B at 10% per annum simple interest. At the same time he lent the same sum to C at the same rate on compound interest, compounded semi-annually for 2 years. Find the amount (in ₹) earned by A in the whole transaction.

- Ans**
- ☒ 1. 4281
  - ☒ 2. 4280
  - ☒ 3. 2481
  - ☒ 4. 2840

Question ID : **81616112764**  
Status : **Answered**  
Chosen Option : **3**

**Q.17** A train running at 72 km/h crosses a pole in 12 seconds. How much time (in seconds) will it take to cross a bridge 360 m long?

- Ans**
- ☒ 1. 40
  - ☒ 2. 75
  - ☒ 3. 60
  - ☒ 4. 30

Question ID : **81616113473**  
Status : **Answered**  
Chosen Option : **4**

**Q.18** The marked price of an article is ₹2720. If a shopkeeper sold the article at 15% loss after giving 25% discount, then the cost price (in ₹) of the article is:

- Ans
- ☒ 1. 2000
  - ☒ 2. 2400
  - ☒ 3. 1800
  - ☒ 4. 1200

Question ID : 81616113467

Status : Answered

Chosen Option : 2

**Q.19** If  $\cos \theta - \sin \theta = \sqrt{3} \cos(90^\circ - \theta)$ ,  $0^\circ < \theta < 90^\circ$  then find the value of  $\tan \theta - \cot \theta$ .

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

Question ID : 81616112775

Status : Answered

Chosen Option : 2

**Q.20** If  $x^8 - 433x^4 + 16 = 0$ ,  $x > 0$ , then what is the value of  $\left(x + \frac{2}{x}\right)$ ?

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

Question ID : 81616112770

Status : Answered

Chosen Option : 3

**Q.21** There are two water taps in a tank which can fill the empty tank in 12 hours and 18 hours respectively. It is seen that there is a leakage point at the bottom of the tank which can empty the completely filled tank in 36 hours. If both the water taps are opened at the same time to fill the empty tank and the leakage point was repaired after 1 hour, then in how much time the empty tank will be completely filled?

- Ans**
- ☒ 1. 7 hours
  - ☒ 2. 8 hours 24 minutes
  - ☒ 3. 7 hours 24 minutes
  - ☒ 4. 7 hours 12 minutes

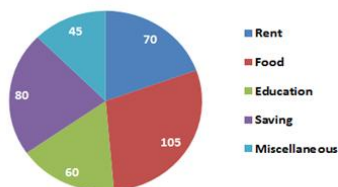
Question ID : **81616112765**

Status : **Answered**

Chosen Option : **3**

**Q.22** The given Pie-Chart shows the degree wise breakup of expenditure of a family in a month. Total income of a family is ₹43200.

Degree of amount incurred in different Expenditure (Total ₹ 43,200)



The amount spent on food is what percent of the savings and miscellaneous expenses?

- Ans**
- ☒ 1. 84%
  - ☒ 2. 60%
  - ☒ 3. 75%
  - ☒ 4. 90%

Question ID : **81616113586**

Status : **Answered**

Chosen Option : **1**

**Q.23** What is the difference in the mean proportional between 1.8 and 3.2 and the third proportional to 5 and 3?

- Ans**
- ☒ 1. 0.7
  - ☒ 2. 0.4
  - ☒ 3. 0.5
  - ☒ 4. 0.6

Question ID : **81616113470**

Status : **Answered**

Chosen Option : **4**

**Q.24** A shopkeeper bought 20 kg of sugar at ₹45 per Kg, 25 kg of sugar at ₹50 per kg and 35 kg of sugar at ₹40 per kg. He spent a sum of ₹450 on transportation and other expenses. He mixed all the three types of sugar and sold all the stock at ₹52.50 per kg. His profit percent in the entire transaction is :

- Ans**
- ✓ 1. 5%
  - ✗ 2. 4.25%
  - ✗ 3. 6.5%
  - ✗ 4. 7.25%

Question ID : 81616113671  
Status : Answered  
Chosen Option : 1

**Q.25** ABCD is a cyclic quadrilateral such that AB is the diameter of the circle and  $\angle ADC = 145^\circ$ , then what is the measure of  $\angle BAC$ ?

- Ans**
- ✗ 1.  $65^\circ$
  - ✗ 2.  $45^\circ$
  - ✓ 3.  $55^\circ$
  - ✗ 4.  $35^\circ$

Question ID : 81616113175  
Status : Answered  
Chosen Option : 3

Section : English Comprehension

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

Sales \_\_\_\_\_ from day to day.

- Ans**
- ✓ 1. fluctuate
  - ✗ 2. swing
  - ✗ 3. revolves
  - ✗ 4. rotates

Question ID : 81616112806  
Status : Answered  
Chosen Option : 1



**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. These kinds of sharks are known as obligate ram ventilators because they draw water in through their mouths and force it out through their gills.  
 B. They use a method called buccal pumping, in which water is pulled in through the mouth and forced out through the gills by the cheek muscles.  
 C. It is true that many types of sharks must keep moving in order to receive life-giving oxygen from the water passing through their gills.  
 D. Other types of sharks are able to remain stationary because they possess special structures called spiracles, which force water out through their gills.

Ans ☒ 1. CABD

☒ 2. CDAB

☒ 3. DABC

☒ 4. BCDA

Question ID : 81616113502

Status : Answered

Chosen Option : 1

**Q.3** Select the INCORRECTLY spelt word.

Ans ☒ 1. Sovereignty

☒ 2. Vivedly

☒ 3. Piety

☒ 4. Depressed

Question ID : 81616113714

Status : Marked For Review

Chosen Option : 2

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

Some patches of the \_\_\_\_\_ garden have a rich cover of grass now.

Ans ☒ 1. stroking

☒ 2. slouching

☒ 3. sprawling

☒ 4. stretching

Question ID : 81616113211

Status : Marked For Review

Chosen Option : 3

**Q.5** Select the most appropriate synonym of the given word.

Debilitate

Ans ☒ 1. Sustain

☒ 2. Weaken

☒ 3. Animate

☒ 4. Vitalise

Question ID : 81616113201

Status : Answered

Chosen Option : 2

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

A large cage, building, or enclosure to keep birds

- Ans
- ☒ 1. Arena
  - ☒ 2. Zoo
  - ☒ 3. Aquarium
  - ☒ 4. Aviary

Question ID : 81616112802

Status : Answered

Chosen Option : 4

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

"I'll see you later," she said.

- Ans
- ☒ 1. She said that she would see me later.
  - ☒ 2. She said that she will see you later.
  - ☒ 3. She said that she would be seeing me later.
  - ☒ 4. She said that she will be able to see you later.

Question ID : 81616113189

Status : Answered

Chosen Option : 1

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

Spick and span

- Ans
- ☒ 1. Noisy and loud
  - ☒ 2. Neat and clean
  - ☒ 3. Far and near
  - ☒ 4. Fast and efficient

Question ID : 81616113507

Status : Answered

Chosen Option : 2

**Q.9** Select the most appropriate ANTONYM of the given word.

Augment

- Ans
- ☒ 1. Expand
  - ☒ 2. Extend
  - ☒ 3. Diminish
  - ☒ 4. Spread

Question ID : 81616113506

Status : Answered

Chosen Option : 3

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

Waver

- Ans ☒ 1. Steady  
☐ 2. Slant  
☐ 3. Tilt  
☐ 4. Sway

Question ID : 81616113707  
Status : Marked For Review  
Chosen Option : 1

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

Celebrate

- Ans ☐ 1. Humiliate  
☐ 2. Publish  
☒ 3. Honour  
☐ 4. Circulate

Question ID : 81616113200  
Status : Marked For Review  
Chosen Option : 3

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

The construction of / the new business school / is led to / a sudden rise of population in our area.

- Ans ☒ 1. is led to  
☐ 2. the new business school  
☐ 3. a sudden rise of population in our area  
☐ 4. The construction of

Question ID : 81616112783  
Status : Marked For Review  
Chosen Option : 1

Q.13 Select the INCORRECTLY spelt word.

- Ans ☐ 1. Security  
☐ 2. Certain  
☒ 3. Casheir  
☐ 4. Imagery

Question ID : 81616113713  
Status : Answered  
Chosen Option : 3

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. An old mouse, who was wise enough to keep his distance, whispered to a friend, "Many a bag have I seen in my day, but never one with a cat's head".
- B. She hoped that the mice would no longer be afraid to come near her.
- C. A cat, grown feeble with age and no longer able to hunt mice as she once did, thought to herself how she might entice them within reach of her paw.
- D. Thinking that she might pass herself off for a bag or for a dead cat at least, she suspended herself by the hind legs from a peg.

Ans ☒ 1. ABDC

☒ 2. DCBA

☒ 3. CADB

☒ 4. CDBA

Question ID : 81616113703

Status : Marked For Review

Chosen Option : 3

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 furniture is ready to be delivered.

Ans ☒ 1. are being ready to be delivered

☒ 2. are ready to be delivered

☒ 3. has ready to be delivered

☒ 4. No substitution

Question ID : 81616112786

Status : Answered

Chosen Option : 4

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

Please do your work properly.

Ans ☒ 1. You are requested to do your work properly.

☒ 2. You are instructed to do your work properly.

☒ 3. Will you please do your work properly?

☒ 4. Can you please do your work properly?

Question ID : 81616112784

Status : Answered

Chosen Option : 1

Q.17 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed select 'No improvement required'.

Preparing children for uncertainties keeps them in readiness to face challenges.

Ans ☒ 1. No improvement required

☐ 2. keep them ready

☐ 3. keep them to be ready

☐ 4. keeps them for readiness

Question ID : 81616113191

Status : Answered

Chosen Option : 2

Q.18 Select the most appropriate meaning of the given idiom.

Go easy on something

Ans ☒ 1. Use only a small amount of

☐ 2. Fill one's plate easily

☐ 3. Take as much as one wants

☐ 4. Eat slowly and liberally

Question ID : 81616113508

Status : Marked For Review

Chosen Option : 4

Q.19 Select the option that can be used as a one-word substitute for the given group of words.

A sentimental longing for a period in the past

Ans ☐ 1. Emotion

☐ 2. Craving

☐ 3. Memory

☒ 4. Nostalgia

Question ID : 81616112803

Status : Answered

Chosen Option : 4

Q.20 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'.

They have lived / in this apartment / since ten years.

Ans ☐ 1. in this apartment

☒ 2. since ten years

☐ 3. No error

☐ 4. They have lived

Question ID : 81616113489

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 word "archaeology" comes from the Greek word "arkhaios," which means "ancient." (1)\_\_\_\_\_ some archaeologists study living cultures, most archaeologists concern (2)\_\_\_\_\_ with the distant past. People have dug (3)\_\_\_\_\_ monuments and collected artefacts for thousands of years. (4)\_\_\_\_\_, these people were not scholars, but looters and grave robbers looking to make money or (5)\_\_\_\_\_ up their personal collections.

**SubQuestion No : 21**

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

- Ans ☒ 1. Yet  
☒ 2. Still  
☒ 3. Although  
☒ 4. Even

Question ID : 81616113698

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 word "archaeology" comes from the Greek word "arkhaios," which means "ancient." (1)\_\_\_\_\_ some archaeologists study living cultures, most archaeologists concern (2)\_\_\_\_\_ with the distant past. People have dug (3)\_\_\_\_\_ monuments and collected artefacts for thousands of years. (4)\_\_\_\_\_, these people were not scholars, but looters and grave robbers looking to make money or (5)\_\_\_\_\_ up their personal collections.

**SubQuestion No : 22**

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

- Ans ☒ 1. itself  
☒ 2. themselves  
☒ 3. himself  
☒ 4. them

Question ID : 81616113699

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 word "archaeology" comes from the Greek word "arkhaios," which means "ancient."

(1)\_\_\_\_\_ some archaeologists study living cultures, most archaeologists concern (2)\_\_\_\_\_ with the distant past. People have dug (3)\_\_\_\_\_ monuments and collected artefacts for thousands of years. (4)\_\_\_\_\_, these people were not scholars, but looters and grave robbers looking to make money or (5)\_\_\_\_\_ up their personal collections.

**SubQuestion No : 23**

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

- Ans
- ☒ 1. in
  - ☒ 2. ahead
  - ☒ 3. over
  - ☒ 4. up

Question ID : 81616113700

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 word "archaeology" comes from the Greek word "arkhaios," which means "ancient."

(1)\_\_\_\_\_ some archaeologists study living cultures, most archaeologists concern (2)\_\_\_\_\_ with the distant past. People have dug (3)\_\_\_\_\_ monuments and collected artefacts for thousands of years. (4)\_\_\_\_\_, these people were not scholars, but looters and grave robbers looking to make money or (5)\_\_\_\_\_ up their personal collections.

**SubQuestion No : 24**

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

- Ans
- ☒ 1. Commonly
  - ☒ 2. Often
  - ☒ 3. Regularly
  - ☒ 4. Seldom

Question ID : 81616113701

Status : Marked For Review

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 word "archaeology" comes from the Greek word "arkhaios," which means "ancient."  
(1)\_\_\_\_\_ some archaeologists study living cultures, most archaeologists concern (2)\_\_\_\_\_ with the distant past. People have dug (3)\_\_\_\_\_ monuments and collected artefacts for thousands of years. (4)\_\_\_\_\_, these people were not scholars, but looters and grave robbers looking to make money or (5)\_\_\_\_\_ up their personal collections.

**SubQuestion No : 25**

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

- Ans
- ☒ 1. construct
  - ☒ 2. assemble
  - ☒ 3. build
  - ☒ 4. create

Question ID : 81616113702

Status : Answered

Chosen Option : 3