

Combined Graduate Level Examination 2020 Tier-I

Roll Number	Join YouTube Channel
Venue Name	iON Digital Zone iDZ Kishanpur
Exam Date	24/08/2021
Exam Time	12:00 PM - 1:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

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

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

Tissues : Histology

Ans  1. Insects : Malacology

 2. Amphibians : Herpetology

 3. Mountains : Onomatology

 4. Shells : Ornithology

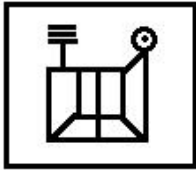
Question ID : **81616112914**Status : **Answered**Chosen Option : **1**

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



Ans

✗ 1.



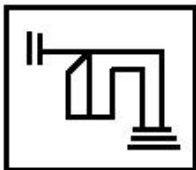
✗ 2.



✓ 3.



✗ 4.



Question ID : 81616112930

Status : Answered

Chosen Option : 3

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

(59, 118, 295)

Ans ✓ 1. (17, 34, 85)

✗ 2. (10, 20, 37)

✗ 3. (15, 34, 45)

✗ 4. (9, 20, 25)

Question ID : 81616112520

Status : Answered

Chosen Option : 1

Q.4 Select the option that is related to the third term in the same way as the second term is related to the first term.

Uttar Pradesh : Allahabad High Court : : Bihar : ?

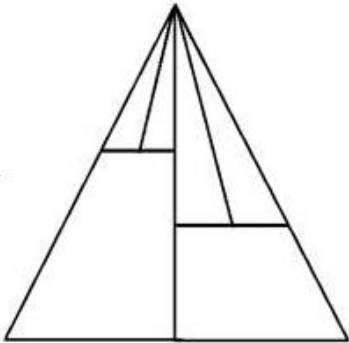
- Ans**
- ☒ 1. Nalanda High Court
 - ☒ 2. Patna High Court
 - ☒ 3. Gaya High Court
 - ☒ 4. Darbhanga High Court

Question ID : 81616112610

Status : Answered

Chosen Option : 2

Q.5 How many triangles are there in the given figure?



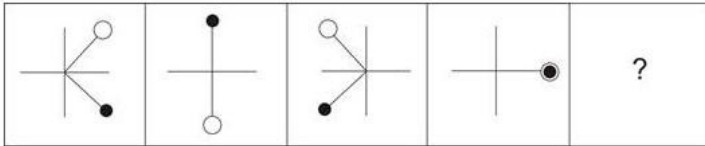
- Ans**
- ☒ 1. 9
 - ☒ 2. 11
 - ☒ 3. 10
 - ☒ 4. 12

Question ID : 81616112524

Status : Answered

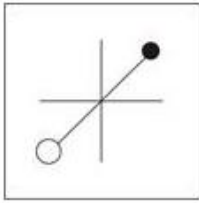
Chosen Option : 1

Q.6 Select the figure that will replace the question mark (?) in the following figure series:

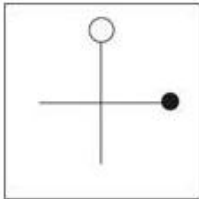


Ans

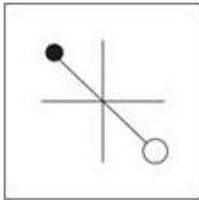
✗ 1.



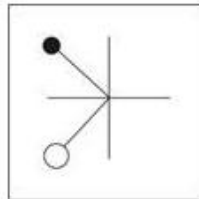
✗ 2.



✗ 3.



✓ 4.



Question ID : 81616112624

Status : Answered

Chosen Option : 4

Q.7 Select the number from among the given options that can replace the question mark (?) in the following series.

4096, 1024, 256, 64, ?

Ans ✗ 1. 30

✗ 2. 28

✗ 3. 8

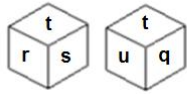
✓ 4. 16

Question ID : 81616112617

Status : Answered

Chosen Option : 4

- Q.8** Two different positions of the same dice are shown, the faces of which are marked with the letters p, q, r, s, t and u.
Select the letter that will be on the face opposite to the face having the letter 'q'.



- Ans
- ☒ 1. u
 - ☒ 2. s
 - ☒ 3. p
 - ☒ 4. r

Question ID : 81616112525
Status : Answered
Chosen Option : 2

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

- Ans
- ☒ 1. Plotter
 - ☒ 2. Webcam
 - ☒ 3. Microphone
 - ☒ 4. Keyboard

Question ID : 81616112508
Status : Answered
Chosen Option : 1

- Q.10** Select the number-pair in which the two numbers share a different relationship from that shared by the two numbers in the rest of the number-pairs.

- Ans
- ☒ 1. (36, 353)
 - ☒ 2. (49, 512)
 - ☒ 3. (25, 216)
 - ☒ 4. (64, 729)

Question ID : 81616112518
Status : Answered
Chosen Option : 1

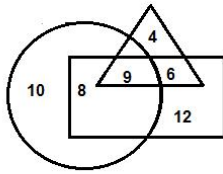
- Q.11** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

qpl_r_plt_qp_trq_l_r

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

Question ID : 81616112917
Status : Answered
Chosen Option : 3

Q.12 In the given diagram, the circle represents 'graduates', the triangle represents 'employed people' and the rectangle represents 'rural folk'. Study the diagram carefully and answer the question that follows.



What is the number of rural unemployed graduates?

- Ans** ☒ 1. 12
☒ 2. 8
☒ 3. 6
☒ 4. 9

Question ID : 81616112630

Status : **Answered**

Chosen Option : 4

Q.13 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

ROAD, SMDZ, TKG V, UIJR, ?

- Ans** ☒ 1. VFNM
☒ 2. VGMN
☒ 3. VHON
☒ 4. VHNO

Question ID : 81616112909

Status : **Answered**

Chosen Option : 2

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. WRO
☒ 2. HDA
☒ 3. PLI
☒ 4. LHE

Question ID : 81616112608

Status : **Answered**

Chosen Option : 1

1. Interchangeable
2. Independent
3. Intentional
4. Interesting
5. Interactive

 4. 1, 2, 3, 4, 5

X 4.2570

EXPERIENCE $\begin{matrix} P \\ | \\ Q \end{matrix}$

✠ 4. ЕХЪЕВІЕИСЕ

9/2/2021, 7:26 PM

Q.18 In a certain code language, 'ONE' is coded as '15-28-15' and 'TWO' is coded as '20-46-45'. How will 'SIX' be coded in that language?

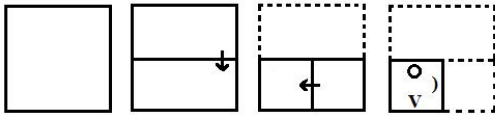
- Ans ☒ 1. 19-9-24
☒ 2. 19-18-72
☒ 3. 38-9-72
☒ 4. 38-18-48

Question ID : 81616112512

Status : Answered

Chosen Option : 2

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



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.





Question ID : 81616112932

Status : Answered

Chosen Option : 2

Q.20 Select the correct combination of mathematical signs that can sequentially replace the * signs and make the equation correct.

$$135 * 15 * 3 * 2 * 13 * 16$$


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

Question ID : 81616112521

Status : Answered

Chosen Option : 4

Q.21 In a certain code language, 'RITU' is written as 'WLYX' and 'AMAN' is written as 'FPFQ'. How will 'MIRA' be written in that language?

- Ans  1. RNWF
 2. RLWD
 3. PNWF
 4. PLUD

Question ID : 81616112612

Status : Answered

Chosen Option : 2

Q.22 Select the option that is related to the third number in the same way as the second number is related to the first number.

$$9 : 91 :: 13 : ?$$

- Ans  1. 99
 2. 203
 3. 132
 4. 183

Question ID : 81616112618

Status : Answered

Chosen Option : 2

Q.23 Guna is the son of Shyamala. Hemanth is the father of Manu. Guna is married to Deepa. Guna and Manu are siblings. Prathik is the brother of Deepa. Shyamala has only one son. Roshan is the son of Guna. Prathik is the father of Kalki. Jatin is the son of Manu. Prathik has no daughters.

How is Hemanth related to Roshan's father?

- Ans  1. Brother
 2. Grandfather
 3. Brother-in-law
 4. Father

Question ID : 81616112918

Status : Answered

Chosen Option : 4

Q.24 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(12, 60, 84)

- Ans** ☒ 1. (13, 65, 81)
☒ 2. (14, 75, 98)
☒ 3. (15, 85, 105)
☒ 4. (16, 80, 112)

Question ID : 81616112620

Status : Answered

Chosen Option : 4

Q.25 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 tractors are cars.
Some scooters are cars.
All scooters are cycles.

Conclusions:

- I. All scooters are cars.
II. Some cars are cycles.
III. Some tractors are cycles.
IV. Some tractors are scooters.

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

Question ID : 81616112616

Status : Answered

Chosen Option : 3

Section : General Awareness

Q.1 Swami Vivekananda championed the supremacy of Vedantic philosophy in the Chicago (The US) Conference of World Religions held in the year _____.

- Ans** ☒ 1. 1898
☒ 2. 1893
☒ 3. 1878
☒ 4. 1884

Question ID : 81616112646

Status : Answered

Chosen Option : 4

Q.2 Who among the following is the author of the book 'Sea of Poppies'?

- Ans** ☒ 1. Vikram Chandra
☒ 2. Salman Rushdie
☒ 3. Amitav Ghosh
☒ 4. Rohinton Mistry

Question ID : **81616112647**

Status : **Not Answered**

Chosen Option : --

Q.3 Yashovigraha, Mahichandra and Chandradeva were the first three rulers of _____ dynasty.

- Ans** ☒ 1. Chauhans
☒ 2. Maratha
☒ 3. Gahadavala
☒ 4. Wadiyar

Question ID : **81616112543**

Status : **Not Answered**

Chosen Option : --

Q.4 When is the National Voters Day observed by the Election Commission of India?

- Ans** ☒ 1. 26 June
☒ 2. 25 January
☒ 3. 6 May
☒ 4. 15 August

Question ID : **81616112953**

Status : **Answered**

Chosen Option : **2**

Q.5 In which year were the Fundamental Duties of citizens added to the Constitution of India by the 42nd Amendment?

- Ans** ☒ 1. 1982
☒ 2. 1964
☒ 3. 1950
☒ 4. 1976

Question ID : **81616112548**

Status : **Answered**

Chosen Option : **4**

Q.6 Ghiyas-ud-din Tughlaq was the governor of _____ during the reign of Ala-ud-din Khilji.

- Ans**
- ☒ 1. Rajasthan
 - ☒ 2. Punjab
 - ☒ 3. Bengal
 - ☒ 4. Kashmir

Question ID : **81616112643**
Status : **Answered**
Chosen Option : **2**

Q.7 Reserve Bank of India became the first central bank in the world to have more than one million followers on _____ in November 2020.

- Ans**
- ☒ 1. Twitter
 - ☒ 2. Facebook
 - ☒ 3. Snapchat
 - ☒ 4. Instagram

Question ID : **81616112653**
Status : **Answered**
Chosen Option : **1**

Q.8 In terms of SI prefixes $10^{(-15)}$ is called:

- Ans**
- ☒ 1. Atto
 - ☒ 2. Yocto
 - ☒ 3. Femto
 - ☒ 4. Zepto

Question ID : **81616112638**
Status : **Not Answered**
Chosen Option : **--**

Q.9 The birth anniversary of _____ was observed as 'Rashtriya Ekta Diwas' (National Unity Day) on 31st October 2020.

- Ans**
- ☒ 1. Sardar Vallabhbhai Patel
 - ☒ 2. Rajendra Prasad
 - ☒ 3. Indira Gandhi
 - ☒ 4. Jawaharlal Nehru

Question ID : **81616112655**
Status : **Answered**
Chosen Option : **1**

Q.10 Which of the following is the other name for 'Marsh Gas'?

- Ans** ☒ 1. Propane
☒ 2. Butane
☒ 3. Methane
☒ 4. Ethane

Question ID : **81616112635**
Status : **Answered**
Chosen Option : **3**

Q.11 Who founded the Vikramshila University and revived the Nalanda University?

- Ans** ☒ 1. Gopala
☒ 2. Vasudeva
☒ 3. Shri Gupta
☒ 4. Dharampala

Question ID : **81616112948**
Status : **Answered**
Chosen Option : **4**

Q.12 According to the 2011 Census of India, which of the following is the second most populous state in the country?

- Ans** ☒ 1. Maharashtra
☒ 2. Madhya Pradesh
☒ 3. Rajasthan
☒ 4. Gujarat

Question ID : **81616112539**
Status : **Answered**
Chosen Option : **1**

Q.13 _____ is used to measure the pressure inside the eyes of a person.

- Ans** ☒ 1. Tonometer
☒ 2. Viscometer
☒ 3. Odometer
☒ 4. Machmeter

Question ID : **81616112636**
Status : **Answered**
Chosen Option : **1**

Q.14 Who among the following has been appointed as the chairman of the Somnath Temple trust in Gujarat in January 2021?

- Ans** ☒ 1. Amit Shah
☒ 2. Rajeev Arora
☒ 3. Narendra Modi
☒ 4. Amitabh Bachchan

Question ID : **81616112957**
Status : **Answered**
Chosen Option : **3**

Q.15 Which of the following states of India has the maximum number of inhabited villages as per Census 2011?

- Ans** ☒ 1. Bihar
☐ 2. Odisha
☐ 3. West Bengal
☐ 4. Madhya Pradesh

Question ID : **81616112642**
Status : **Not Answered**
Chosen Option : --

Q.16 Which of the following is a cattle fair celebrated in the state of Himachal Pradesh?

- Ans** ☐ 1. Doongri Festival
☐ 2. Ashwin Mela
☐ 3. Manimahesh Fair
☒ 4. Nalwari Fair

Question ID : **81616112631**
Status : **Not Answered**
Chosen Option : --

Q.17 Who among the following cricketers is a left-arm pace bowler?

- Ans** ☐ 1. Umesh Yadav
☐ 2. Ishant Sharma
☐ 3. Bhuvneshwar Kumar
☒ 4. Ashish Nehra

Question ID : **81616112651**
Status : **Answered**
Chosen Option : 2

Q.18 When was the flagship scheme of Skill India Mission launched in India?

- Ans** ☒ 1. 2015
☐ 2. 2010
☐ 3. 2019
☐ 4. 2008

Question ID : **81616112936**
Status : **Answered**
Chosen Option : 1

Q.19 Hima Das is an Indian _____.

- Ans** ☐ 1. swimmer
☐ 2. boxer
☐ 3. cricketer
☒ 4. sprinter

Question ID : **81616112652**
Status : **Answered**
Chosen Option : 4

Q.20 Which of the following is the common name of a natural admixture mineral of zinc carbonate and hydrous zinc silicate?

- Ans ☐ 1. Chalk
☒ 2. Calamine
☐ 3. Benzol
☐ 4. Borax

Question ID : **81616112536**
Status : **Answered**
Chosen Option : **2**

Q.21 'Chinkara' is a _____ musical instrument popular in the state of Madhya Pradesh.

- Ans ☒ 1. stringed
☐ 2. plate
☐ 3. wind
☐ 4. membrane

Question ID : **81616112531**
Status : **Answered**
Chosen Option : **1**

Q.22 A saturated geological unit which can yield water to the wells at a sufficient rate to support a well is called _____.

- Ans ☐ 1. karst
☐ 2. reservoir
☐ 3. estuary
☒ 4. aquifer

Question ID : **81616112944**
Status : **Answered**
Chosen Option : **3**

Q.23 Who authored the book 'Reporting India: My Seventy-Year Journey as a Journalist'?

- Ans ☐ 1. Khushwant Singh
☒ 2. Prem Prakash
☐ 3. Anjan Sundaram
☐ 4. Chetan Bhagat

Question ID : **81616112951**
Status : **Not Answered**
Chosen Option : **--**

Q.24 What do you call a proportionate saving in costs gained by an increased level of production?

- Ans**
- ☐ 1. Isoquant
 - ☒ 2. Economies of scale
 - ☐ 3. Isocost
 - ☐ 4. Production function

Question ID : **81616112533**
Status : **Not Answered**
Chosen Option : --

Q.25 Who among the following developed the Polio vaccine?

- Ans**
- ☒ 1. Jonas Salk
 - ☐ 2. Robert Koch
 - ☐ 3. FG Hopkins
 - ☐ 4. Edward Jenner

Question ID : **81616112942**
Status : **Answered**
Chosen Option : **1**

Section : **Quantitative Aptitude**

Q.1

If $x - \frac{2}{x} = 15$, then what is the value of $\left(x^2 + \frac{4}{x^2}\right)$?

- Ans**
- ☐ 1. 223
 - ☐ 2. 227
 - ☒ 3. 229
 - ☐ 4. 221

Question ID : **81616112667**
Status : **Answered**
Chosen Option : **3**

- Q.2** The data given in the table shows the number of boys and girls enrolled in three different streams in a school over 5 years.

years	Arts		Science		Commerce	
	Boys	Girls	Boys	Girls	Boys	Girls
2012	48	36	40	35	35	45
2014	42	43	42	32	32	42
2016	45	42	38	30	36	38
2018	39	46	41	23	28	34
2020	36	43	39	30	39	41

What is the ratio of the total number of boys in the year 2014 to the total number of girls in the year 2020?

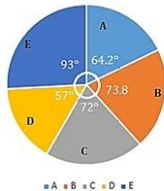
- Ans** ✓ 1. 58 : 57
 ✗ 2. 58 : 53
 ✗ 3. 1 : 1
 ✗ 4. 55 : 57

Question ID : 81616112477
 Status : Answered
 Chosen Option : 1

- Q.3** The pie graph shows the distribution of employees working in five departments A, B, C, D and E of a company.

Total number of employees = 9000

Distribution (degree wise) of the employees working in five departments A,B,C,D and E in a company



If the number of employees working in department A is x and the total number of employees working in departments C and E is y , then the value of $y-2x$ is:

- Ans** ✗ 1. 725
 ✓ 2. 915
 ✗ 3. 850
 ✗ 4. 1000

Question ID : 81616113487
 Status : Answered
 Chosen Option : 1

- Q.4** Find the sum of all the possible values of $(a + b)$, so that the number $4a067b$ is divisible by 11.

- Ans** ✗ 1. 16
 ✗ 2. 5
 ✗ 3. 11
 ✓ 4. 21

Question ID : 81616112555
 Status : Answered
 Chosen Option : 2

Q.5 Avinash has 20% less coins of different countries than Gaurav has. Gaurav has 40% more such coins than Chetan has. By what percent the number of coins which Chetan has is less than the number of coins which Avinash has? (correct to one decimal place)

- Ans**
- ☒ 1. 12
 - ☒ 2. 10.5
 - ☒ 3. 10.7
 - ☒ 4. 10.6

Question ID : **81616112559**
Status : **Answered**
Chosen Option : **3**

Q.6 What is the product of the average of first ten positive odd numbers and the average of first fifteen positive even numbers?

- Ans**
- ☒ 1. 44
 - ☒ 2. 150
 - ☒ 3. 85.25
 - ☒ 4. 160

Question ID : **81616112961**
Status : **Answered**
Chosen Option : **4**

Q.7 Trader A gives a single discount of 25% and Trader B gives two successive discounts of 20% and 5% on an identical item. If the discount given by A is ₹320 more than the discount given by B, then what is the marked price (in ₹) of the item?

- Ans**
- ☒ 1. 25000
 - ☒ 2. 32000
 - ☒ 3. 30000
 - ☒ 4. 3200

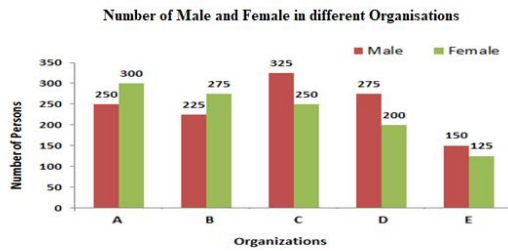
Question ID : **81616112659**
Status : **Answered**
Chosen Option : **2**

Q.8 A man walking at a speed of 3km/h crosses a square field diagonally in 5 minutes. What is the area of the field (in m²) ?

- Ans**
- ☒ 1. 31250
 - ☒ 2. 312.5
 - ☒ 3. 3125
 - ☒ 4. 3.125

Question ID : **81616112969**
Status : **Answered**
Chosen Option : **1**

Q.9 Bar graph shows the number of males and females in five organizations A, B, C, D and E.



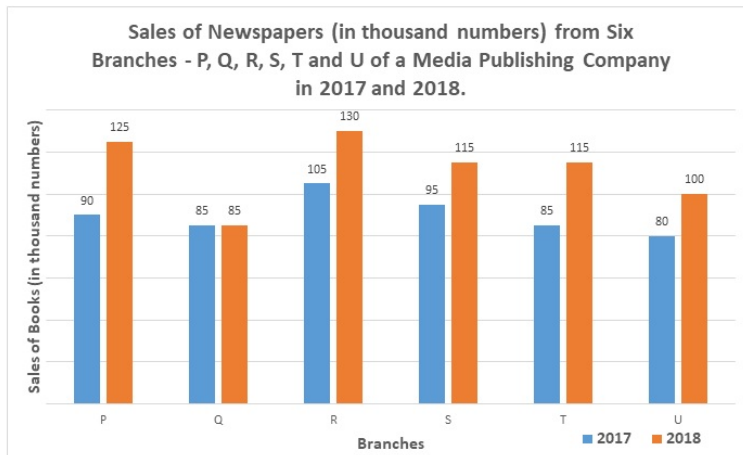
What is the ratio of number of males working in organizations C, D and E taken together to that of females working in organizations A, B and C taken together?

- Ans**
- ☒ 1. 11 : 10
 - ☒ 2. 46 : 49
 - ☒ 3. 10 : 11
 - ☒ 4. 49 : 46

Question ID : **81616113485**
 Status : **Answered**
 Chosen Option : **3**

Q.10 The bar graph given below shows the sales of Newspapers (in lakh number) from six branches of a Media Publication Company during two consecutive years 2017 and 2018.

(Note: The data shown below is only for mathematical exercise. They do not represent the actual figures).



Total Sales of U for both the years is what percent (correct to one place of decimal) of the combined Sales of the branches Q and R for 2017 and 2018?

- Ans**
- ☒ 1. 44.4%
 - ☒ 2. 67.1%
 - ☒ 3. 41.0%
 - ☒ 4. 48.6%

Question ID : **81616112475**
 Status : **Answered**
 Chosen Option : **1**

Q.11 Find the value of $\sin^2 60^\circ + \cos^2 30^\circ - \sin^2 45^\circ - 3\sin^2 90^\circ$.

Ans

☐ 1. $\frac{1}{3}$

☒ 2. -2

☐ 3. $-2\frac{1}{2}$

☐ 4. $-1\frac{3}{4}$

Question ID : **81616112575**

Status : **Answered**

Chosen Option : **2**

Q.12 Places A and B are 45 km apart from each other. A car starts from place A and another car starts from place B at the same time. If they move in the same direction, they meet in 4 and a half hour and if they move towards each other, they meet in 27 minutes. What is the speed (in km/h) of the car which moves faster?

Ans

☐ 1. 56

☐ 2. 50

☐ 3. 45

☒ 4. 55

Question ID : **81616112665**

Status : **Not Answered**

Chosen Option : **--**

Q.13 Atul borrowed a sum of ₹12000 and agreed to repay it by paying ₹4800 at the end of first year and ₹9240 at the end of second year. What is the rate of compound interest compounded annually?

Ans

☐ 1. 12%

☐ 2. $\frac{8}{5}\%$

☒ 3. 10%

☐ 4. 8%

Question ID : **81616112562**


Status : **Not Answered**


Chosen Option : **--**

Q.14 Simplify the following expression:

$$\frac{7}{12} \div \frac{1}{10} \text{ of } \frac{2}{3} - \frac{5}{3} \times \frac{9}{10} + \frac{5}{8} \div \frac{3}{4} \text{ of } \frac{2}{3}$$

Ans  1. -4

 2. $3\frac{23}{36}$

 3. $7\frac{29}{36}$

 4. $8\frac{1}{2}$

Question ID : 81616112657


Status : **Answered**


Chosen Option : 4


Q.15 Simplify the following expression.


$$\frac{5(a^5 - b^5)^3 + 5(b^5 - c^5)^3 + 5(c^5 - a^5)^3}{2(a^3 - b^3)^3 + 2(b^3 - c^3)^3 + 2(c^3 - a^3)^3}$$

Ans

 1. $\frac{5}{2}(a^3 - b^3)(b^3 - c^3)(c^3 + a^3)$

 2. $\frac{5}{2}(a^3 + b^3)(b^3 - c^3)(c^3 - a^3)$

 3. $\frac{5}{2}(a^3 + b^3)(b^3 + c^3)(c^3 + a^3)$

 4. $\frac{5}{2}(a^3 - b^3)(b^3 + c^3)(c^3 + a^3)$

Question ID : 81616112568


Status : **Not Answered**

Chosen Option : --


Q.16 Points A, B and C are on a circle with centre O such that $\angle BOC = 84^\circ$. If AC is produced to a point D such that $\angle BDC = 40^\circ$, then find the measure of $\angle ABD$ (in degrees).

Ans

 1. 92

 2. 56

 3. 98

 4. 102

Question ID : 81616112973

Status : **Not Answered**

Chosen Option : --

Q.17 If $y = 2x + 1$, then what is the value of $(8x^3 - y^3 + 6xy)$?

- Ans**
- ✓ 1. -1
 - ✗ 2. 15
 - ✗ 3. -15
 - ✗ 4. 1

Question ID : 81616112668
 Status : Answered
 Chosen Option : 1

Q.18 Eighteen men can complete a work in 14 days. Three women do as much work as two men. Five men and six women started the work and continued for 4 days. Subsequently 3 more men joined the group. In how many total days was the work completed?

- Ans**
- ✗ 1. $21\frac{1}{3}$
 - ✗ 2. 18
 - ✓ 3. 22
 - ✗ 4. $17\frac{1}{3}$

Question ID : 81616112563
 Status : Not Answered
 Chosen Option : --

Q.19 The value of $\frac{\sec^2 60^\circ \cos^2 45^\circ + \operatorname{cosec}^2 30^\circ}{\cot 30^\circ \sec^2 45^\circ - \operatorname{cosec}^2 30^\circ \tan 45^\circ}$ is:

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

Question ID : 81616113484
 Status : Not Answered
 Chosen Option : --

Q.20 Monthly salaries of Anil and Kumud are in the ratio 19 : 17. If Anil and Kumud get salary hike of ₹2000 and ₹1000 respectively, then the ratio in their salaries become 8 : 7. What is the present salary of Kumud (in ₹)?

- Ans**
- ✗ 1. 18000
 - ✗ 2. 35000
 - ✗ 3. 38000
 - ✓ 4. 34000

Question ID : 81616112662
 Status : Not Answered
 Chosen Option : --

Q.21 A shop keeper sold an article at four-fifth of the marked price and suffered a loss of $3\frac{1}{3}\%$. Find the profit percent, if he sold the article at the marked price. (correct to nearest integer)

- Ans**
- ☐ 1. 20
 - ☐ 2. 18
 - ☐ 3. 22
 - ☒ 4. 21

Question ID : **81616112661**
Status : **Not Answered**
Chosen Option : --

Q.22 In $\triangle ABC$ and $\triangle DEF$, we have $\frac{AB}{DF} = \frac{BC}{DE} = \frac{AC}{EF}$, then which of the following is true?

- Ans**
- ☐ 1. $\triangle DEF \sim \triangle BAC$
 - ☐ 2. $\triangle DEF \sim \triangle ABC$
 - ☐ 3. $\triangle CAB \sim \triangle DEF$
 - ☒ 4. $\triangle BCA \sim \triangle DEF$

Question ID : **81616112672**
Status : **Answered**
Chosen Option : **4**

Q.23 Points M and N are on the sides PQ and QR respectively of a triangle PQR, right angled at Q. If PN = 9 cm, MR = 7 cm, and MN = 3 cm, then find the length of PR (in cm).

- Ans**
- ☐ 1. 12
 - ☐ 2. $\sqrt{41}$
 - ☒ 3. 11
 - ☐ 4. 13

Question ID : **81616112976**
Status : **Not Answered**
Chosen Option : --

Q.24 In a circle with centre O, AB is a chord of length 10 cm. Tangents at points A and B intersect outside the circle at P. If $OP = 2 OA$, then find the length (in cm) of AP.

- Ans**
- ☒ 1. 10
 - ☐ 2. 15
 - ☐ 3. 12
 - ☐ 4. 12.5

Question ID : **81616112570**
Status : **Not Answered**
Chosen Option : --

Q.25

If $\sin^2 \theta = 2 \sin \theta - 1$, $0^\circ \leq \theta \leq 90^\circ$, then find the value of: $\frac{1 + \operatorname{cosec} \theta}{1 - \cos \theta}$.

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

Question ID : 81616112573

Status : Not Answered

Chosen Option : --

Section : English Comprehension

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

An examination of a dead body to determine the cause of death

- Ans
- ☒ 1. Post-mortem
 - ☒ 2. Analysis
 - ☒ 3. Suicide
 - ☒ 4. Homicide

Question ID : 81616112601

Status : Answered

Chosen Option : 1

Q.2 Select the INCORRECTLY spelt word.

- Ans
- ☒ 1. Cousin
 - ☒ 2. Neice
 - ☒ 3. Nephew
 - ☒ 4. Uncle

Question ID : 81616112703

Status : Answered

Chosen Option : 2

Q.3 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. Shopkeeper: "Not at all. It is hardly a two-minute walk from here."
- B. Boy: "Can you please show me the way to the post office?"
- C. Shopkeeper: "Go straight from here and take a right turn."
- D. Boy: "Is it very far off from here?"

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

Question ID : 81616112693

Status : Answered

Chosen Option : 1

Q.4 Select the most appropriate meaning of the given idiom.

Twiddling one's thumbs

- Ans**
- ☒ 1. Feeling hungry
 - ☒ 2. Feeling angry
 - ☒ 3. Feeling bored
 - ☒ 4. Feeling sad

Question ID : **81616112700**

Status : **Answered**

Chosen Option : **3**

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

Barbaric

- Ans**
- ☒ 1. Inhuman
 - ☒ 2. Cruel
 - ☒ 3. Brutal
 - ☒ 4. Civilised

Question ID : **81616112698**

Status : **Answered**

Chosen Option : **4**

Q.6 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.

All those students / who are participating / in the play / have been notify / to stay back
for rehearsal / after 3:00 p.m.

- Ans**
- ☒ 1. to stay back for rehearsal
 - ☒ 2. have been notify
 - ☒ 3. after 3:00 p.m.
 - ☒ 4. who are participating

Question ID : **81616112581**

Status : **Not Answered**

Chosen Option : **--**

Q.7 Select the most appropriate **ANTONYM** of the given word.

Delight

- Ans**
- ☒ 1. Joy
 - ☒ 2. Glee
 - ☒ 3. Sorrow
 - ☒ 4. Pleasure

Question ID : **81616112697**

Status : **Answered**

Chosen Option : **3**

Q.8 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.

After entering the town, / go straight and then / take a sharpest turn / towards your left / to reach the mall.

- Ans** ☒ 1. take a sharpest turn
☒ 2. towards your left
☒ 3. After entering the town
☒ 4. to reach the mall

Question ID : 81616112681
Status : Answered
Chosen Option : 1

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. Ram introduced Shyam to everyone and then served snacks to them.
B. After he cut the cake, all of them danced for a long time.
C. When Shyam reached his house, his classmates had already arrived.
D. Ram invited his friend Shyam on his birthday.

- Ans** ☒ 1. ABCD
☒ 2. DBAC
☒ 3. DCAB
☒ 4. ACDB

Question ID : 81616112694
Status : Answered
Chosen Option : 3

Q.10 Select the option that expresses the given sentence in reported speech.

He said to me, "It was raining all day."

- Ans** ☒ 1. He told me that it had been raining all day.
☒ 2. He told me it is raining all day.
☒ 3. He told me it was raining all day.
☒ 4. He told me it has been raining all day.

Question ID : 81616112987
Status : Answered
Chosen Option : 1

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

Out of the blue

- Ans** ☒ 1. Loves to wear only blue colour clothes
☒ 2. Beat someone black and blue
☒ 3. Completely honestly
☒ 4. Completely unexpectedly

Question ID : 81616112699
Status : Answered
Chosen Option : 4

Q.12 Select the most appropriate synonym of the given word.

Abstain

- Ans** ☒ 1. Reduce
☒ 2. Refrain
☒ 3. Propose
☒ 4. Accept

Question ID : 81616112998

Status : Not Answered

Chosen Option : --

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

A person who presents a radio/television programme

- Ans** ☒ 1. Actor
☒ 2. Comedian
☒ 3. Anchor
☒ 4. Choreographer

Question ID : 81616112600

Status : Answered

Chosen Option : 3

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

I was given a robot by him.

- Ans** ☒ 1. A robot by him was given to I.
☒ 2. He gave me a robot.
☒ 3. A robot by him was given to me.
☒ 4. A robot was given to me by him.

Question ID : 81616112582

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 news are true.

- Ans** ☒ 1. No substitution
☒ 2. is true
☒ 3. are being true
☒ 4. is being true

Question ID : 81616112584

Status : Answered

Chosen Option : 2

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

It was _____ to everyone present that the patient would not survive if immediate help was not received.

- Ans**
- ☒ 1. hidden
 - ☒ 2. unnoticed
 - ☒ 3. apparent
 - ☒ 4. unseen

Question ID : **81616113009**
Status : **Answered**
Chosen Option : **2**

Q.17 Select the **INCORRECTLY** spelt word.

- Ans**
- ☒ 1. Playright
 - ☒ 2. Plagiarise
 - ☒ 3. Plough
 - ☒ 4. Playful

Question ID : **81616112704**
Status : **Answered**
Chosen Option : **2**

Q.18 Select the most appropriate synonym of the given word.

Cadence

- Ans**
- ☒ 1. Habit
 - ☒ 2. Pleasure
 - ☒ 3. Freshness
 - ☒ 4. Rhythm

Question ID : **81616112999**
Status : **Not Answered**
Chosen Option : --

Q.19 Select the most appropriate option to fill in the blank.

Crowds of tourists _____ across the square all day long.

- Ans**
- ☒ 1. rectified
 - ☒ 2. prodded
 - ☒ 3. maintained
 - ☒ 4. flowed

Question ID : **81616112604**
Status : **Answered**
Chosen Option : **2**

Q.20 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed select 'No improvement required'.

Bats huddle together to get warm of each other's body.

- Ans ☒ 1. warming from
☒ 2. warmth from
☒ 3. warm off
☒ 4. No improvement required

Question ID : 81616112989

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.

John was an artist (1)_____ profession. He was very (2)_____ at his work and could (3)_____ any subject he could think of, but circumstances forced him to (4)_____ in (5)_____ the work of renowned artists.

SubQuestion No : 21

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

- Ans ☒ 1. from
☒ 2. about
☒ 3. off
☒ 4. by

Question ID : 81616112688

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.

John was an artist (1)_____ profession. He was very (2)_____ at his work and could (3)_____ any subject he could think of, but circumstances forced him to (4)_____ in (5)_____ the work of renowned artists.

SubQuestion No : 22

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

- Ans ☒ 1. better
☒ 2. good
☒ 3. richer
☒ 4. best

Question ID : 81616112689

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.

John was an artist (1)_____ profession. He was very (2)_____ at his work and could (3)_____ any subject he could think of, but circumstances forced him to (4)_____ in (5)_____ the work of renowned artists.

SubQuestion No : 23

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

- Ans**  1. plaintive
  2. plant
  3. paint
  4. painted

Question ID : 81616112690

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.

John was an artist (1)_____ profession. He was very (2)_____ at his work and could (3)_____ any subject he could think of, but circumstances forced him to (4)_____ in (5)_____ the work of renowned artists.

SubQuestion No : 24

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

- Ans**  1. synthesize
  2. specialize
  3. socialize
  4. sanctify

Question ID : 81616112691

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.

John was an artist (1)_____ profession. He was very (2)_____ at his work and could (3)_____ any subject he could think of, but circumstances forced him to (4)_____ in (5)_____ the work of renowned artists.

SubQuestion No : 25

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

- Ans**  1. duplicating
  2. doubting
  3. doubling
  4. dominating

Question ID : 81616112692

Status : **Answered**

Chosen Option : 1