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

Roll Number	Join YouTube Channel
Venue Name	ON Digital Zone iDZ 2 Sector 62
Exam Date	13/08/2021
Exam Time	3:00 PM - 4:00 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.

Handwriting : Graphology

Ans X 1. Earthquakes : Pomology

X 2. Fossils : Pedology

3. Matter : Physics

X 4. Soil : Ornithology

Question ID: 81616113823

Status : Answered

Chosen Option: 3

Q.2 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 X

X 1. Raipur

X 2. Mumbai

3. Ahmedabad

X 4. Ranchi

Question ID : 81616112609

Status: Answered

Chosen Option : 1

Q.3 'A + B' means 'A is the husband of B'.

'A % B' means 'A is the father of B'.

'A \$ B' means 'A is the mother of B'.

If 'Y + Z \$ H % C \$ D + S', then which of the following statements is INCORRECT?

Ans

1. Z is the maternal grandmother of C.

X 2. C is the mother-in-law of S.

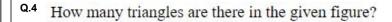
X 3. H is the son of Y.

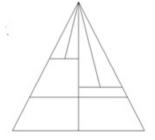
4. H is the maternal grandfather of D.

Question ID: 81616113827

Status : Answered

Chosen Option : 1





Ans

X 1. 11

X 2. 8

X 3. 15

√ 4. 12

Question ID: 81616112625 Status : Answered

Chosen Option: 1

Q.5 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

25 64 81

23 41 38

18 33 ?

Ans

**1**. 29

X 2. 17

**X** 3. 27

**X** 4. 19

Question ID: 81616112822

Status: Answered

Chosen Option: 1

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

Ans X 1. ×, +, =, ÷

X 2. =, ×, +, ÷

**√** 3. +, ÷, −, =

**X** 4. ×, +, −, =

Question ID: 81616112622

Status: Not Answered

Chosen Option: --

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Q.7 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

Q\_AD\_R\_KADP\_QKA\_PRQK\_D\_R

Ans

1. K, P, Q, R, D, A, P

X 2. K, P, R, Q, D, A, P

**※** 3. K, P, Q, R, A, D, P

**X** 4. K, P, Q, R, D, A, Q

Question ID: 81616113826

Status : Answered

Chosen Option: 1

Q.8 In a certain code language, 'CROW' is coded as '64' and 'EAGLE' is coded as '125'. How will 'PARROT' be coded in that language?

Ans

**X** 1. 232

**2.216** 

**X** 3. 249

**X** 4. 88

Question ID: 81616112613

Status: Not Answered

Chosen Option: --

Q.9 Select the option that is related to the third word in the same way as the second word is related to the first word.

Nascent: Young:: Adjunct:?

Ans

🟋 1. Rigid

2. Supportive

X 3. Functional

X 4. Against

Question ID: 81616114226

Status : Answered

Chosen Option: 2

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**. (178, 308)

**X** 2. (215, 338)

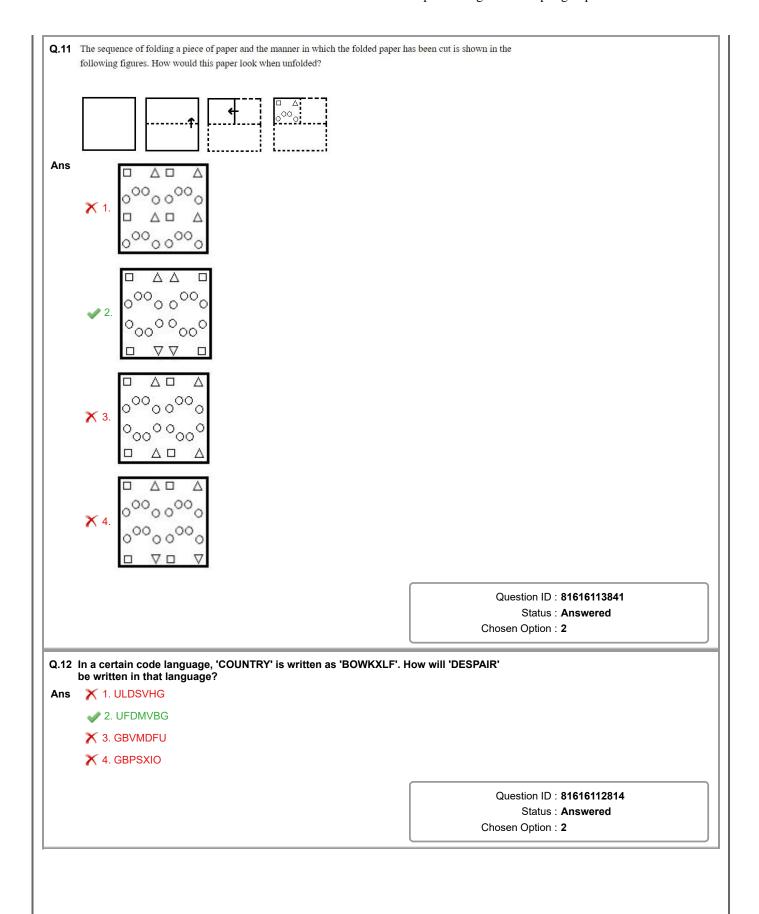
**X** 3. (169, 292)

**X** 4. (11, 134)

Question ID: 81616112619

Status: Marked For Review

Chosen Option : 1



Q.13 In a training camp, three types of games hockey, cricket and badminton were taught. 14% of the total students received cricket training. 22% of the remaining students received training for hockey. Half of the remaining students received training for badminton. What percentage of students did NOT receive training in any of the three games?

Ans

**X** 1. 24.52%

**2**. 33.54%

**X** 3. 32.56%

**X** 4. 67.52%

Question ID : 81616113835 Status : Not Answered

Chosen Option: --

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

X 1. TYDI

2. ZEJP

X 3. HMRW

X 4. NSXC

Question ID : 81616114224

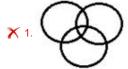
Status : Answered

Chosen Option : 1

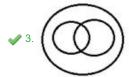
Q.15 Select the Venn diagram that best illustrates the relationship between the following classes.

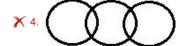
Women, Mothers-in-law, Housewives

Ans









Question ID : 81616112832 Status : Answered

Chosen Option: 3

Q.16 Two different positions of the same dice are shown, the faces of which are marked with the letters E, F, G, H, I and J. Select the letter that will be on the face opposite to the face having the letter 'J'.





Ans X 1. F

X 2. E

√ 3. I

X 4. G

Question ID: 81616112626

Status: Answered

Chosen Option: 3

- Q.17 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.
  - 1. Terminal
  - 2. Terminology
  - 3. Temperature
  - 4. Tamarind
  - 5. Tame
  - 6. Tertiary

**1**. 4, 5, 3, 1, 2, 6

**X** 2. 4, 5, 3, 2, 1, 6

**X** 3. 4, 5, 1, 3, 2, 6

**X** 4. 4, 5, 3, 1, 6, 2

Question ID: 81616114223

Status: Answered

Chosen Option: 1

Q.18 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

4 9 X d v g P

**49Xd**∧gP<sup>1×</sup>

49XdvgP<sup>2</sup>

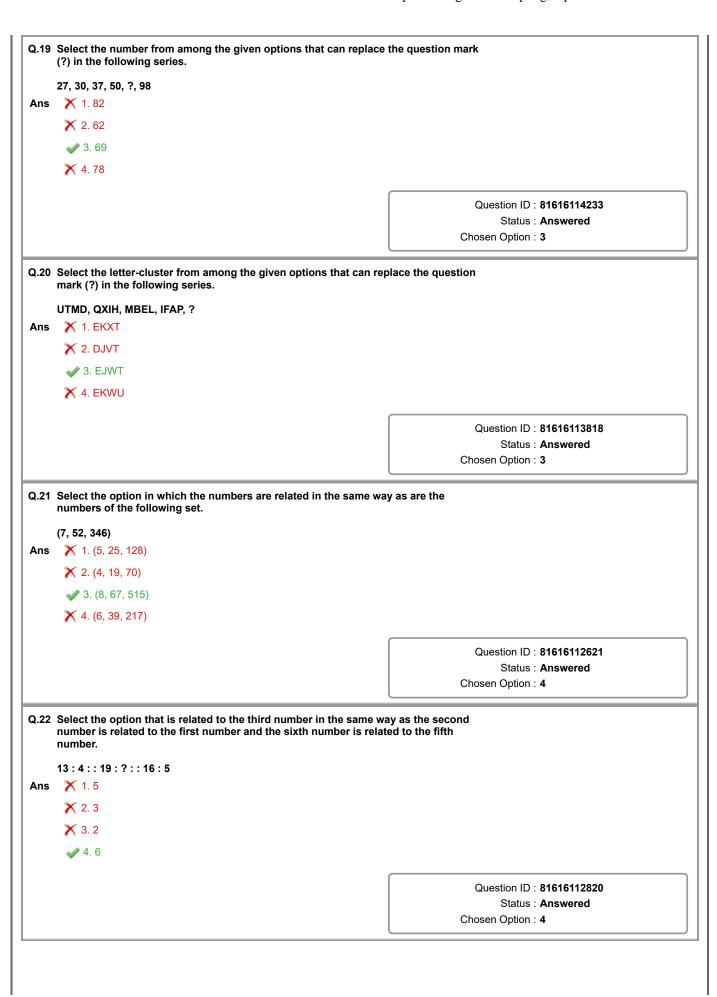
46XdvaPx

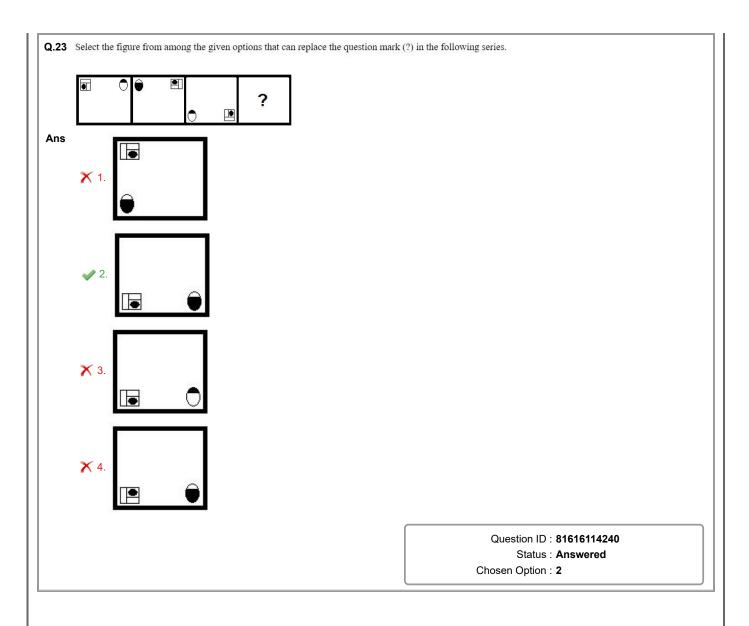
49 X q v g b 1×

Question ID: 81616113840

Status: Answered

Chosen Option: 2





Q.24 Select the option in which the given figure is embedded (rotation is NOT allowed). Ans Question ID: 81616113839 Chosen Option: 3

Status: Answered

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:

- 1. All rugs are blankets.
- 2. All blankets are pillows.
- 3. Some blankets are frames.

#### Conclusions:

- I. All pillows are rugs.
- II. Some pillows are rugs.
- III. All rugs are frames

- 1. Only conclusion II follows
- X 2. Either conclusion I or III follows
- X 3. Both conclusions I and III follow
- X 4. Neither conclusion II nor III follows

Question ID: 81616112818 Status: Answered

Chosen Option: 1

Section: General Awareness

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	★ 1. Amaravati	
	× 2. Sanchi	
	★ 3. Karle	
	√ 4. Sarnath	
		Question ID : 81616113857
		Status : Answered
		Chosen Option: 3
ე.2	Which of the following Articles of the Constitution	of India provides power to the
ıns	President for promulgating ordinances?  1. Article 123	
1113	X 2. Article 77	
	X 3. Article 111	
	★ 4. Article 143	
		Question ID : 81616113862
		Status : Answered
		Chosen Option : 4
 2.3	The Ramon Magsaysay Award was established in t	he vear .
ıns	X 1. 1982	,
	<b>✓</b> 2. 1957	
	X 3. 1962	
	<b>X</b> 4. 1965	
		Question ID : <b>81616113860</b>
		Status : Not Answered
Q.4	Which State Assembly passed the resolution on Sa	Status : Not Answered Chosen Option :
•	Which State Assembly passed the resolution on Sa  1. Jharkhand	Status : Not Answered Chosen Option :
•	, , , , , , , , , , , , , , , , , , ,	Status : Not Answered Chosen Option :
•	✓ 1. Jharkhand	Status : Not Answered Chosen Option :
•	<ul><li>✓ 1. Jharkhand</li><li>✓ 2. Madhya Pradesh</li></ul>	Status : Not Answered Chosen Option :
Q.4 Ans	<ul><li>1. Jharkhand</li><li>2. Madhya Pradesh</li><li>3. Bihar</li></ul>	Status : Not Answered Chosen Option :
•	<ul><li>1. Jharkhand</li><li>2. Madhya Pradesh</li><li>3. Bihar</li></ul>	Status : Not Answered Chosen Option :  arna Code in November 2020?  Question ID : 81616114271
•	<ul><li>1. Jharkhand</li><li>2. Madhya Pradesh</li><li>3. Bihar</li></ul>	Status : Not Answered Chosen Option :  arna Code in November 2020?  Question ID : 81616114271 Status : Answered
	<ul><li>1. Jharkhand</li><li>2. Madhya Pradesh</li><li>3. Bihar</li></ul>	Status : Not Answered Chosen Option :  arna Code in November 2020?  Question ID : 81616114271
nns	<ul> <li>1. Jharkhand</li> <li>2. Madhya Pradesh</li> <li>3. Bihar</li> <li>4. Chhattisgarh</li> </ul> According to National Education Policy 2020, voca	Status: Not Answered Chosen Option:  arna Code in November 2020?  Question ID: 81616114271 Status: Answered Chosen Option: 4
Q.5	1. Jharkhand 2. Madhya Pradesh 3. Bihar 4. Chhattisgarh  According to National Education Policy 2020, voca with internships.	Status: Not Answered Chosen Option:  arna Code in November 2020?  Question ID: 81616114271 Status: Answered Chosen Option: 4
Q.5	1. Jharkhand 2. Madhya Pradesh 3. Bihar 4. Chhattisgarh  According to National Education Policy 2020, voca with internships. 1. Class VII	Status: Not Answered Chosen Option:  arna Code in November 2020?  Question ID: 81616114271 Status: Answered Chosen Option: 4
Q.5	1. Jharkhand 2. Madhya Pradesh 3. Bihar 4. Chhattisgarh  According to National Education Policy 2020, voca with internships. 1. Class VII 2. Class VI	Status: Not Answered Chosen Option:  arna Code in November 2020?  Question ID: 81616114271 Status: Answered Chosen Option: 4
Q.5	1. Jharkhand  2. Madhya Pradesh  3. Bihar  4. Chhattisgarh  According to National Education Policy 2020, voca with internships.  1. Class VII  2. Class VI  3. Class V	Status: Not Answered Chosen Option:  arna Code in November 2020?  Question ID: 81616114271 Status: Answered Chosen Option: 4
Q.5	1. Jharkhand 2. Madhya Pradesh 3. Bihar 4. Chhattisgarh  According to National Education Policy 2020, voca with internships. 1. Class VII 2. Class VI	Status: Not Answered Chosen Option:  arna Code in November 2020?  Question ID: 81616114271 Status: Answered Chosen Option: 4
\ns	1. Jharkhand  2. Madhya Pradesh  3. Bihar  4. Chhattisgarh  According to National Education Policy 2020, voca with internships.  1. Class VII  2. Class VI  3. Class V	Status: Not Answered Chosen Option:  arna Code in November 2020?  Question ID: 81616114271 Status: Answered Chosen Option: 4

	The concept of 'Reservation of seats for Schedule the House of the People' is highlighted in Article	
เทร	✓ 1. 330	
	<b>X</b> 2. 345	
	<b>★</b> 3. 361	
	× 4. 326	
	A. 320	
		Question ID : 81616112649
		Status : Answered
		Chosen Option : 1
Q.7	In cricket which of the following fielding positions	s is behind the batsman?
Ans	★ 1. Mid off	
	★ 2. Cover	
	X 3. Mid-wicket	
	✓ 4. First slip	
		Question ID : 81616114267
		Status : <b>Answered</b> Chosen Option : <b>4</b>
		Chosen Opiion : 4
Ans	Where is the famous pilgrim spot of Sikhs, Sri Ha  1. Jalandhar  2. Amritsar	mandii Gaini iocatea.
	X 3 Patna	
	X 3. Patna	
	<ul><li>✗ 3. Patna</li><li>✗ 4. Manali</li></ul>	
		Question ID : <b>81616112833</b>
		Status : Answered
Q.9	4. Manali Which of the following is a tributary of the river B	Status : <b>Answered</b> Chosen Option : <b>2</b>
	X 4. Manali  Which of the following is a tributary of the river B Bhutan?	Status : <b>Answered</b> Chosen Option : <b>2</b>
	<ul> <li>★ 4. Manali</li> <li>Which of the following is a tributary of the river B Bhutan?</li> <li>★ 1. Sittaung River</li> </ul>	Status : <b>Answered</b> Chosen Option : <b>2</b>
	<ul> <li>★ 4. Manali</li> <li>Which of the following is a tributary of the river B Bhutan?</li> <li>★ 1. Sittaung River</li> <li>★ 2. Chindwin River</li> </ul>	Status : <b>Answered</b> Chosen Option : <b>2</b>
	<ul> <li>★ 4. Manali</li> <li>Which of the following is a tributary of the river B Bhutan?</li> <li>★ 1. Sittaung River</li> <li>★ 2. Chindwin River</li> <li>★ 3. Wang Chhu River</li> </ul>	Status : <b>Answered</b> Chosen Option : <b>2</b>
	<ul> <li>★ 4. Manali</li> <li>Which of the following is a tributary of the river B Bhutan?</li> <li>★ 1. Sittaung River</li> <li>★ 2. Chindwin River</li> </ul>	Status : <b>Answered</b> Chosen Option : <b>2</b>
Q.9 Ans	<ul> <li>★ 4. Manali</li> <li>Which of the following is a tributary of the river B Bhutan?</li> <li>★ 1. Sittaung River</li> <li>★ 2. Chindwin River</li> <li>★ 3. Wang Chhu River</li> </ul>	Status : Answered Chosen Option : 2  rahmaputra that flows through
	<ul> <li>★ 4. Manali</li> <li>Which of the following is a tributary of the river B Bhutan?</li> <li>★ 1. Sittaung River</li> <li>★ 2. Chindwin River</li> <li>★ 3. Wang Chhu River</li> </ul>	Status : Answered Chosen Option : 2  rahmaputra that flows through  Question ID : 81616112640
	<ul> <li>★ 4. Manali</li> <li>Which of the following is a tributary of the river B Bhutan?</li> <li>★ 1. Sittaung River</li> <li>★ 2. Chindwin River</li> <li>★ 3. Wang Chhu River</li> </ul>	Status : Answered Chosen Option : 2  rahmaputra that flows through

Q.10	Who among the following won the 10th National Ice Hockey Ch Gulmarg in January 2021?	nampionship trophy in						
Ans	★ 1. National Highway Authority of India (NHAI)							
	X 2. Central Industrial Security Force (CISF)							
	✓ 3. Indo Tibetan Border Police (ITBP)							
	★ 4. Central Reserve Police Force (CRPF)							
		Question ID: 81616112854						
		Status : <b>Answered</b> Chosen Option : <b>3</b>						
		Chosen Option . 3						
	The Sun Temple of Odisha was built in the 12th Century AD by emperors?	which of the following						
Ans	X 1. Dharmapala							
	✓ 2. Narasimha Deva I							
	X 3. Kharavela							
	X 4. Vijaya Sena							
		Question ID: 81616112848						
		Status : Answered						
		Chosen Option : 2						
Q.12	Lymph is a light clear fluid made up of white blood cells that at the blood.	ttack harmful in						
Ans	✓ 1. bacteria							
	X 2. viruses							
	★ 3. fungi							
	X 4. protozoa							
		Question ID : 81616112840						
		Status : Answered						
		Chosen Option: 1						
	Chandernagore (Chandannagar) was a colony captured 23 March 1757.	I by the British Navy on						
Ans	X 1. Danish							
	× 2. Dutch							
	X 3. Portuguese							
	✓ 4. French							
	-							
		Question ID : 81616112644						
		Status : Answered						
		Chosen Option : 3						

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X 1. coal						
✓ 2. cellulose						
<ul><li>✗ 3. petrochemicals</li><li>✗ 4. oil</li></ul>						
on ID : <b>81616112837</b>						
tatus : <b>Answered</b>						
ption : <b>2</b>						
on ID : <b>81616112634</b>						
on ID : <b>81616112634</b> tatus : <b>Answered</b> ption : <b>3</b>						
tatus						

Ans	★ 1. phase difference							
	2. wave velocity							
	★ 3. frequency							
	★ 4. amplitude							
		Question ID : 81616113851						
		Status : Answered						
		Chosen Option : 3						
Q.20	How many arteries are there in an umbilical cor	rd?						
Ans	★ 1. One							
	<b>✓</b> 2. Two							
	X 3. Three							
	× 4. Four							
		Question ID : 81616112637						
		Status : Not Answered Chosen Option :						
		Gridden - Spilon -						
	'Aaluyattu' is a folk-dance form from the state o	of						
Ans	✓ 1. Nagaland							
	X 2. Kerala							
	✗ 3. Goa							
	🗙 4. Haryana							
		Question ID : 81616112632 Status : Answered						
		Chosen Option : 2						
O 22	In which of the following places is a steel plant	under SAII located?						
	★ 1. Korba							
	X 2. Raigarh							
	✓ 3. Bhilai							
	X 4. Bilaspur							
	,							
		Question ID: 81616113845						
		Status : Not Answered						
		Chosen Option :						
Q.23	National Park is in Ladakh.							
Ans	X 1. Namdapha							
	<b>★</b> 2. Gir							
	✓ 3. Hemis							
	X 4. Manas							
		Question ID : 81616113853						
		Status : <b>Answered</b> Chosen Option : <b>3</b>						
		Chosen Option . 3						

### Q.24 Which of the following is NOT an outcome of endogenic forces?

Ans X 1. Earthquakes

X 2. Landslides

3. Volcanic eruptions

4. Sea waves

Question ID: 81616114258 Status: Answered

Chosen Option: 2

### Q.25 In which of the following years was the All-India Harijan Sevak Sangh founded?

Ans X 1. 1919

**X** 2. 1942

**3**. 1932

**X** 4. 1928

Question ID: 81616112845 Status: Answered

Chosen Option: 3

#### Section: Quantitative Aptitude

Q.1 A man and a woman, working together can do a work in 66 days. The ratio of their working efficiencies is 3:2. In how many days 6 men and 2 women working together can do the same work?

Ans

√ 1. 15

X 2. 14

X 3. 18

X 4. 12

Question ID: 81616112664

Status: Answered

Chosen Option: 1

**Q.2** The value of 
$$90 \div 20$$
 of  $6 \times [11 \div 4$  of  $\{3 \times 2 - (3 - 8)\}] \div (9 \div 3 \times 2)$  is:

 $\times$  1.  $\frac{1}{36}$ 

 $\times$  4.  $\frac{3}{8}$ 

Question ID: 81616114273

Status: Answered

Chosen Option: 3

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If  $2x^2 - 8x - 1 = 0$ , then what is the value of  $8x^3 - \frac{1}{x^2}$ ?

Ans 🧳 1. 560

X 2. 540

X 3. 464

X 4. 524

Question ID: 81616114283

Status : Answered

Chosen Option: 1

Q.4 A, B and C divide a certain sum of money among themselves. The average of the amounts with them is ₹4520. Share of A is 10 \(\frac{2}{3}\)% more than share of B and 33\(\frac{1}{3}\)% less than share of C. What is the share of B (in ₹)?

Ans X 1. 5976

39/0

**✓** 2. 3600

X 3. 3500

X 4. 3984

Question ID : 81616112660

Status: Not Answered

Chosen Option : --

Q.5 Find the greatest value of b so that 30a68b (a>b) is divisible by 11.

Ans 🔀 1. 6

X 2. 4

**√** 3. 3

X 4. 9

Question ID: 81616112656

Status : Not Attempted and Marked For Review

Chosen Option: --

**Q.6** A circle touches all the four sides of a quadrilateral ABCD whose sides are  $AB = 8.4 \, cm$ ,  $BC = 9.8 \, cm$  and  $CD = 5.6 \, cm$ . The length of side AD in cm is:

 $CD = 5.6 \, cm$ . The length of side AD, in cm, is:

Ans X 1. 2.8

√ 2. 4.2

X 3. 3.8

X 4. 4.9

Question ID: 81616113882

Status : Answered

Chosen Option : 2

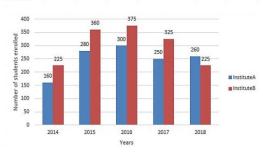
If  $x^4 + \frac{1}{x^4} = 727$ , x > 1, then what is the value of  $\left(x - \frac{1}{x}\right)$ ?

- Ans X 1. 6
  - X 2. -5
  - X 3. -6
  - **4**. 5

Question ID: 81616112669 Status: Answered

Chosen Option: 4

Q.8 Bar graph shows the number of students enrolled for a vocational course in institutes A and B during 5 years from 2014



In which year the number of students enrolled in institute A is x% less, where  $25 \le x \le 30$ , than the number of students enrolled in institute B in the same year?

Ans

- X 1. 2016
- X 2. 2015
- X 3. 2017
- 4. 2014

Question ID: 81616113488

Status: Not Answered

Chosen Option: --

Q.9 Atul purchased Bread costing ₹20 and gave a 100 rupee note to the shopkeeper. The shopkeeper gave the balance money in coins of denomination ₹2, ₹5 and ₹10. If these coins are in the ratio 5:4:1, then how many ₹5 coins did the shopkeeper give?

- Ans 🗙 1. 6
  - √ 2. 8
  - X 3. 5
  - X 4. 4

Question ID: 81616112864

Status: Answered

Chosen Option: 2

**Q.10** The area of a circular park is 12474  $m^2$ . There is 3.5 m wide path around the park. What is the area (in  $m^2$ ) of the path? (Take  $\pi = \frac{22}{7}$ )

Ans X 1. 1435.5

× 2. 1440.5

√ 3. 1424.5

X 4. 1380.5

Question ID: 81616113878

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.11 A shopkeeper marks his goods 30% higher than the cost price and allows a discount of 10% on the marked price. In order to earn 6.5% more profit, what discount percent should he allow on the marked price?

Ans

X 1. 4

X 2. 5.5

X 3. 6

**4.** 5

Question ID: 81616112861

Status : Answered

Chosen Option: 2

Q.12 Two equal sums were lent on simple interest at 6% and 10% per annum respectively. The first sum was recovered two years later than the second sum and the amount in each case was ₹1105. What was the sum (in ₹) lent in each scheme?

Ans

X 1 900

2. 850

X 3. 891

X 4. 936

Question ID: 81616112663

Status : Answered

Chosen Option : 2

Q.13 A trader bought 640 kg of rice. He sold a part of rice at 20% profit and the rest at 5% loss. He earned a profit of 15% in the entire transaction. What is the quantity (in kg) of rice that he sold at 5% loss?

Ans

X 1. 132

√ 2. 128

X 3. 256

X 4. 154

Question ID : 81616114277

Status : Answered

Chosen Option: 2

Q.14 The average of eleven numbers is 56. The average of first three numbers is 52 and that of next five numbers is 60. The 9th and 10th number are 3 and 1 more than the 11th number respectively. What is the average of 9th and 11th numbers?

Ans

X 2. 54

√ 3. 53.5

X 4. 52.5

Question ID: 81616113870

Status: Answered

Chosen Option: 3

If  $x - \frac{1}{x} = 1$ , then what is the value of  $x^8 + \frac{1}{x^8}$ ?

X 2. 3

X 3. 119

**4.** 47

Question ID: 81616112870

Status: Answered

Chosen Option: 1

Q.16 A train is to cover 370 km at a uniform speed. After running 100 km, the train could run at a speed 5 km/h less than its normal speed due to some technical fault. The train got delayed by 36 minutes. What is the normal speed of the train, in

Ans

Question ID: 81616112867

Status: Not Answered

Chosen Option: --

**Q.17**  $\triangle$  ABC  $\sim$   $\triangle$  DEF and the area of  $\triangle$  ABC is 13.5  $cm^2$  and the area of  $\triangle$  DEF is 24  $cm^2$ . If BC = 3.15 cm, then the length (in cm) of EF is:

Question ID: 81616114288

Status: Answered

Chosen Option: 2

**Q.18** If  $3 \tan \theta = 2\sqrt{3} \sin \theta$ ,  $0^{\circ} < \theta < 90^{\circ}$ , then find the value of  $2 \sin^2 2\theta - 3\cos^2 3\theta$ .

$$\checkmark$$
 1.  $\frac{3}{2}$ 

$$\times$$
 2.  $-\frac{3}{2}$ 

**X** 3. 
$$\frac{1}{2}$$

Question ID: 81616112674

Status : Not Attempted and Marked For Review

Chosen Option: --

**Q.19** In  $\triangle$  ABC,  $\angle$ C = 90° and Q is the midpoint of BC. If AB = 10 cm and AC =  $2\sqrt{10}$  cm, then the length of AQ is:

Ans 
$$\times$$
 1.  $5\sqrt{2}$  cm

$$\times$$
 2.  $3\sqrt{5}$  cm

$$\times$$
 3.  $5\sqrt{3}$  cm

Question ID: 81616113885

Status: Answered

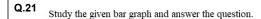
Chosen Option: 4

Q.20 The radii of two concentric circles are 12 cm and 13 cm. AB is a diameter of the bigger circle. BD is a tangent to a smaller circle touching it at D. Find the length (in cm) of AD? (correct to one decimal place)

Question ID: 81616112671

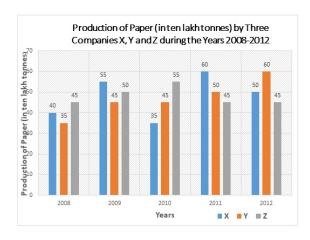
Status: Not Answered

Chosen Option: --



The bar graph given below represents the data of the Production of Paper (in ten lakh tonnes) by three different companies X, Y and Z during the years 2008 to 2012. The x-axis shows the Years and the y-axis represents the Production of Paper (in ten lakh tonnes).

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



Which company/companies had the maximum average production for the given five years period?

Ans

Question ID: 81616112576

Status: Answered

Chosen Option : 1

**Q.22** If  $3\sec\theta + 4\cos\theta - 4\sqrt{3} = 0$  where  $\theta$  is an acute angle then the value of  $\theta$  is:

Ans

Question ID: 81616113079

Status : **Answered** 

Chosen Option : 4

Q.23 The value of

 $\frac{\tan(45^{\circ}-\alpha)}{\cot(45^{\circ}+\alpha)} - \frac{(\cos 19^{\circ} + \sin 71^{\circ})(\sec 19^{\circ} + \csc 71^{\circ})}{\tan 12^{\circ} \tan 24^{\circ} \tan 66^{\circ} \tan 78^{\circ}} \text{ is:}$ 

Ans 🗙 1. -2

**√** 2. **-3** 

**X** 3. 0

X 4. 2

Question ID: 81616114292

Status: Answered

Chosen Option: 2

Q.24 The following table shows day-wise number of seats occupied of different classes in a train. Numbers in bracket represent the total seats available in a particular class.

Day	2nd	1st	AC III	AC II	AC 1st
	Class	Class	Tier	Tier	Class
	Non-	Non-	(500)	(250)	(150)
	AC	AC		4	30 30
	(900)	(500)			
Monday	850	460	480	240	145
Tuesday	840	400	450	230	120
Wednesday	830	390	480	220	130
Thursday	790	480	490	250	125
Friday	840	470	500	210	130

How many seats remained vacant taking all the days together in non-AC classes?

Ans × 1. 600

**2**. 650

X 3. 715

X 4. 585

Question ID: 81616113486

Status : Answered

Chosen Option: 3

Q.25 The data given in the table shows the number of boys and girls enrolled in three different streams in a school over 5 years.

	Arts		Science		Commerce	
years	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

The number of boys in Science stream in the years 2012 and 2016 taken together is what percent of the number of girls for all the years in the Commerce stream?

Ans

X 1. 35

√ 2. 39

X 3. 45.5

X 4. 32.5

Question ID : 81616112578 Status : Answered

Chosen Option: 2

Section: English Comprehension

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

"Read the instructions before you start making the dish," Deepa's mother said to her.

Ans X 1. Deepa's mother told to her to read the instructions before you start making the dish.

X 2. Deepa's mother told her to read the instructions before you had made the dish.

X 3. Deepa's mother said her to read the instructions before she start making the dish.

✓ 4. Deepa's mother told her to read the instructions before she started making the dish.

Question ID : 81616113896 Status : Answered

Chosen Option: 4

Q.2 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 Dussehra celebrations / in Mysore / this year / are grandest than / in any other part / of the state.

Ans X 1. any other part

× 2. in Mysore

3. are grandest than

X 4. The Dussehra celebrations

Question ID : 81616112883 Status : Answered

Chosen Option : 1

1.3	Select the most appropriate meaning of the given idiom.	
	Want to curl up and die	
Ans	★ 1. Too tired from physical labour	
	★ 2. Want to die comfortably	
	✗ 3. Unable to sleep well	
	4. Feel terribly ashamed and sorry	
		Question ID : 81616112902 Status : Answered
		Chosen Option : 4
Q.4	Select the most appropriate option to fill in the blank.	
	The advanced nations face no population problem since they we down to zero growth in population.	re already settling
Ans	X 1. degree	
	★ 2. scale	
	✓ 3. rate	
	★ 4. frequency	
		Question ID : 81616113918
		Status : <b>Answered</b> Chosen Option : <b>3</b>
		Circustin Sprini 1
Ans	sentence. If no substitution is required, select 'No substitution'.  Many of the apples was rotten.  1. is rotten	
	X 2. No substitution	
	✓ 3. were rotten	
	X 4. was being rotten	
	1 4. Was being totten	
		Question ID : 81616112685
		Status : Answered
		Chosen Option : 3
Q.6	Select the most appropriate synonym of the given word.	
	lota	
Ans	√ 1. Bit	
	X 2. Lot	
	<b>X</b> 3. Box	
	<b>★</b> 4. Bag	
		Question ID : 81616113907
		Status : Marked For Review Chosen Option : 1

Q.7 The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

Lack of required / vitamins and minerals / lead against / several complications / in the human body.

Ans 1. several complications

X 2. Lack of required

3. in the human body

4. lead against

Question ID: 81616112682 Status: Answered

Chosen Option: 4

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

Although the children studied hard, but they could not understand the topic without the help of the teacher.

X 1. Although the children had study hard, but they

2. Although the children studied hard, they

X 3. No substitution

4. Although the children have studied hard, but they

Question ID: 81616113898

Status: Answered

Chosen Option: 2

Q.9 Select the option that can be used as a one-word substitute for the given group of

One who does not take any alcoholic drink

X 1. Astrologer

2. Perfectionist

X 3. Vegetarian

4. Teetotaller

Question ID: 81616112702

Status: Answered

Chosen Option: 4

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

**Pompous** 

Ans 1. Humble

X 2. Flaunting

X 3. Showy

X 4. Boastful

Question ID: 81616112900

Status: Answered

Chosen Option: 1

Q.11	Select the most appropriate synonym of the given word.						
	Yield (n)						
Ans	X 1. Plantation						
	★ 2. Garden						
	X 3. Orchard						
	✓ 4. Harvest						
	•						
		Question ID : 81616113908					
		Status : <b>Answered</b> Chosen Option : <b>1</b>					
		Onoscii Option . 1					
<b>Q.12</b>	Select the most appropriate option to fill in the blank.						
	The door in the strong wind.						
Ans	★ 1. slapped						
	X 2. sizzled						
	X 3. hooted						
	✓ 4. slammed						
		Question ID : 81616112705					
		Status : Answered					
	Select the option that can be used as a one-word substitute for the words.  A person who is trained to travel in a spacecraft	Chosen Option : 4					
	Select the option that can be used as a one-word substitute for the words.  A person who is trained to travel in a spacecraft  1. Choreographer	Chosen Option : 4					
	words.  A person who is trained to travel in a spacecraft	Chosen Option : 4					
	words.  A person who is trained to travel in a spacecraft  1. Choreographer	Chosen Option : 4					
	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur	Chosen Option : 4					
	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur  3. Astronaut	Chosen Option : 4					
	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur  3. Astronaut	Chosen Option : 4  given group of  Question ID : 81616112701 Status : Answered					
	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur  3. Astronaut	Chosen Option : 4  given group of  Question ID : 81616112701					
Ans	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur  3. Astronaut	Chosen Option : 4  given group of  Question ID : 81616112701 Status : Answered					
Ans Q.14	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur  3. Astronaut  4. Anchor	Chosen Option : 4  given group of  Question ID : 81616112701 Status : Answered					
Ans	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur  3. Astronaut  4. Anchor  Select the INCORRECTLY spelt word.	Chosen Option : 4  given group of  Question ID : 81616112701 Status : Answered					
Ans Q.14	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur  3. Astronaut  4. Anchor  Select the INCORRECTLY spelt word.  1. Friend	Chosen Option : 4  given group of  Question ID : 81616112701 Status : Answered					
Ans	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur  3. Astronaut  4. Anchor  Select the INCORRECTLY spelt word.  1. Friend  2. Neice	Chosen Option : 4  given group of  Question ID : 81616112701 Status : Answered					
Ans Q.14	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur  3. Astronaut  4. Anchor  Select the INCORRECTLY spelt word.  1. Friend  2. Neice  3. Scenic	Chosen Option : 4  given group of  Question ID : 81616112701 Status : Answered					
Ans	words.  A person who is trained to travel in a spacecraft  1. Choreographer  2. Chauffeur  3. Astronaut  4. Anchor  Select the INCORRECTLY spelt word.  1. Friend  2. Neice  3. Scenic	Question ID : 81616112701 Status : Answered Chosen Option : 3					

## Q.15 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. When he reached his town, he went to his house and knocked at the door. B. A man went away from his home. C. Disappointed, he decided to take it himself. D. One day he wrote a letter to his family, but could not find any one to take the letter to his town. X 1. ABCD

X 2. CBAD

3. BDCA

X 4. DACB

Question ID: 81616112896 Status: Answered Chosen Option: 3

Q.16 Select the most appropriate ANTONYM of the given word.

#### Widespread

X 1. General

2. Limited

X 3. Overall

X 4. Famous

Question ID: 81616114313 Status: Answered Chosen Option: 2

Q.17 Select the most appropriate meaning of the given idiom.

#### Be at a loss for words

1. Not know what to say

X 2. Not aware of the language

X 3. Habituated to using difficult words

X 4. Lost the urge to speak

Question ID: 81616112901 Status: Answered

Chosen Option: 1

#### Q.18 Select the INCORRECTLY spelt word.

X 1. Insolence

X 2. Idleness

3. Inershia

X 4. Indolence

Question ID: 81616114320 Status : Answered

Chosen Option: 3

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# Q.19 Select the option that expresses the given sentence in passive voice. Close all the windows. Ans X 1. Will you close all the windows? 2. Can you close all the windows? 3. All the windows be closed. 4. Let all the windows be closed. Question ID: 81616112683 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. At length the olive tree's branches broke with the snow's weight, at once despoiling it of its beauty and killing the tree. B. A shower of snow fell upon them and, finding the olive full of foliage, it settled upon its branches. C. Finding the fig tree without leaves, the snow fell through the branches to the ground and did not injure it at all. D. The olive tree ridiculed the fig tree because, while she was green all the year round, the fig tree changed its leaves with the seasons. X 1. ABCD Ans 2. DBAC X 3. ACBD X 4. DACB Question ID: 81616114309 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. Man-made fibre, is fibre whose chemical composition, structure, and properties are significantly modified during the manufacturing process. Man-made fibres (1)\_\_\_\_ spun and woven into a large (2) \_\_\_\_\_ of consumer and industrial products, (3) \_\_\_\_\_ garments such as shirts, scarves, and hosiery; home furnishings (4) \_\_\_\_\_ as upholstery, carpets, and \_\_\_ parts such as tire cord, flame-proof linings, and drive belts. drapes; and (5) SubQuestion No : 21 Q.21 Select the most appropriate option to fill in blank 1. Ans X 2. will be 3. are X 4. is Question ID: 81616114304 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.

Man-made fibre, is fibre whose chemical composition, structure, and properties are significantly modified during the manufacturing process. Man-made fibres (1)\_\_\_\_\_\_ spun and woven into a large (2)\_\_\_\_\_ of consumer and industrial products, (3)\_\_\_\_\_ garments such as shirts, scarves, and hosiery; home furnishings (4)\_\_\_\_\_ as upholstery, carpets, and drapes; and (5)\_\_\_\_\_ parts such as tire cord, flame-proof linings, and drive belts.

SubQuestion No: 22

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

Ans

X 1. figure

X 2. total

X 3. extent

4. number

Question ID: 81616114305 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.

Man-made fibre, is fibre whose chemical composition, structure, and properties are significantly modified during the manufacturing process. Man-made fibres (1)\_\_\_\_\_ spun and woven into a large (2)\_\_\_\_ of consumer and industrial products, (3)\_\_\_\_ garments such as shirts, scarves, and hosiery; home furnishings (4)\_\_\_\_ as upholstery, carpets, and drapes; and (5)\_\_\_\_ parts such as tire cord, flame-proof linings, and drive belts.

SubQuestion No: 23

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

Ans

X 1. showing

X 2. counting

X 3. wrapping

4. including

Question ID: 81616114306

Status : **Answered** 

Chosen Option: 4

mc			

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.

Man-made fibre, is fibre whose chemical composition, structure, and properties are significantly modified during the manufacturing process. Man-made fibres (1)\_\_\_\_\_\_ spun and woven into a large (2)\_\_\_\_\_ of consumer and industrial products, (3)\_\_\_\_\_ garments such as shirts, scarves, and hosiery; home furnishings (4)\_\_\_\_ as upholstery, carpets, and drapes; and (5)\_\_\_\_\_ parts such as tire cord, flame-proof linings, and drive belts.

SubQuestion No: 24

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

Ans

X 1. more

X 2. much

X 4. so

Question ID: 81616114307 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.

Man-made fibre, is fibre whose chemical composition, structure, and properties are significantly modified during the manufacturing process. Man-made fibres (1)\_\_\_\_\_ spun and woven into a large (2)\_\_\_\_ of consumer and industrial products, (3)\_\_\_\_ garments such as shirts, scarves, and hosiery; home furnishings (4)\_\_\_\_ as upholstery, carpets, and drapes; and (5)\_\_\_\_ parts such as tire cord, flame-proof linings, and drive belts.

SubQuestion No: 25

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

Ans

1. industrial

X 2. industrialist

X 3. industry

X 4. industrialised

Question ID: 81616114308

Status : **Answered** 

Chosen Option : 1