Combined Graduate Level Examination-2019 (T ier-I)

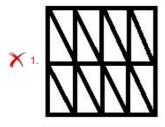
Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Gegal Industrial Area
Exam Date	07/03/2020
Exam Time	10:00 AM - 11:00 AM
Subject	CGLE Tier I

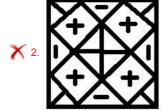
Section : General Intelligence and Reasoning

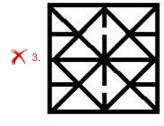
Q.1 Select the option figure in which the given figure is embedded (rotation is NOT allowed).

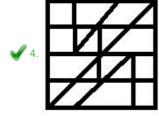


Ans









Question ID : 816161549 Status : Answered

Select the correct combination of mathematical signs to sequentially replace the * signs, to balance the following equation.

$$(14*9*6)*15*8$$

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

$$\checkmark$$
 2. \times , $-$, \div , $=$

Question ID: 816161544

Status: Answered

Chosen Option: 2

Which of the option figures is the exact mirror image of the given figure when the mirror is held at the right side?

BRWOQWRB

Ans

BRWOOWAB



★3. BRWOQWRB

BRWQOWRB .X

Question ID: 816161550

Status: Answered

Chosen Option: 2

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

Bacteria: Illness

Ans

X 1. Appraisal : Performance

X 2. Disease : Doctor

X 3. Painting: Painter

4 Carelessness : Errors

Question ID: 816161533

Status: Answered

Chosen Option: 4

Select the letter-cluster that can replace the question mark (?) in the following series.

eBd, hXi, kTn, nPs, ?

Ans

X 1. pLw

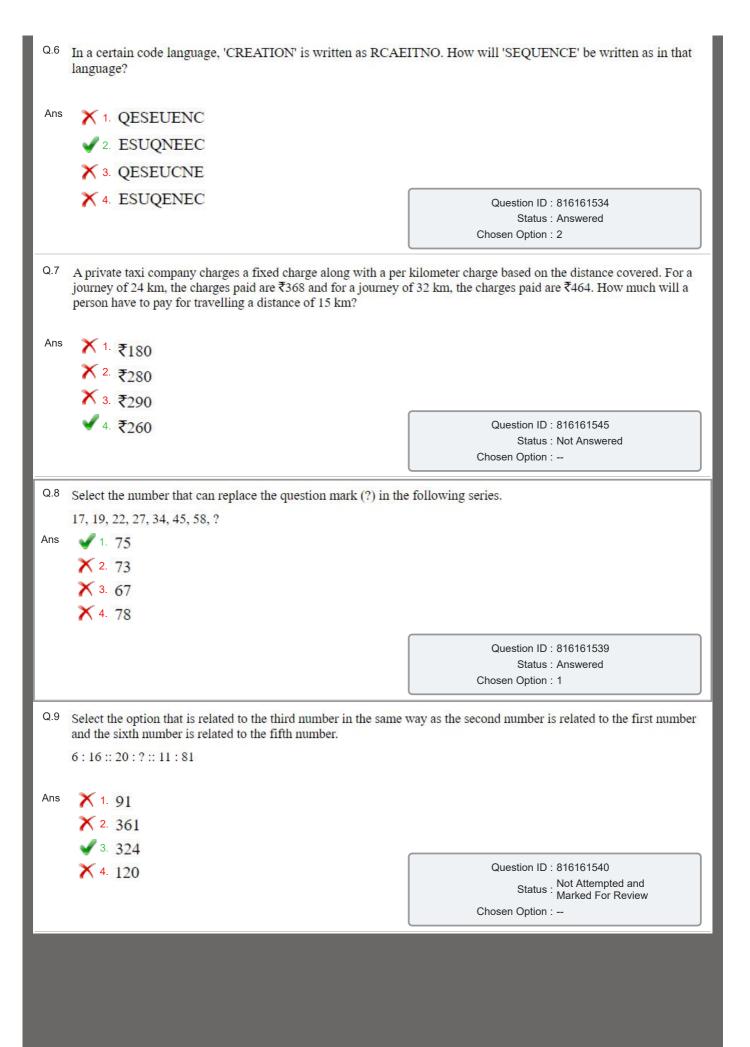
X 2. qKx

X 3. Qlv

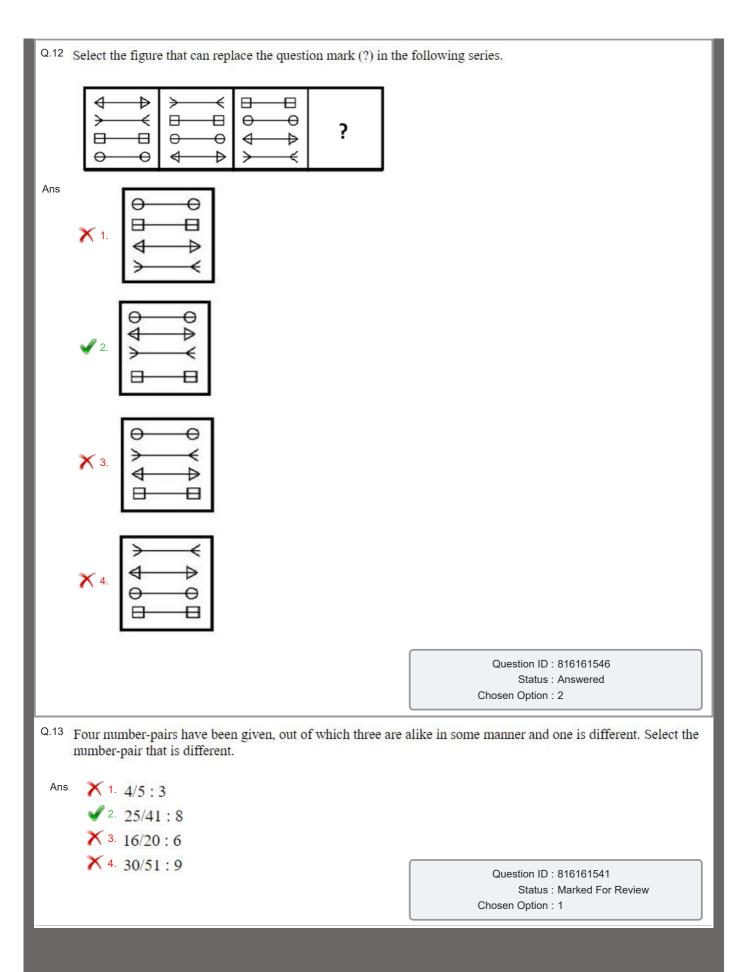
√ 4. qLx

Question ID: 816161528

Status: Answered

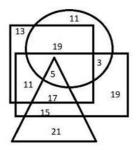


Q.10 Select the option in which the numbers are related in the same way as are the numbers in the given set. 17:102:153 X 1 18:104:171 Ans **√** 2. 16:96:144 X 3. 13:78:108 X 4. 23:162:207 Question ID: 816161542 Status: Marked For Review Chosen Option: 2 $^{Q.11}$ Select the box that CANNOT be formed by folding the given unfolded box. Question ID: 816161548 Status : Answered Chosen Option: 2



Q.14 The given Venn diagram represents results of a class of students:

The triangle represents students who scored 85% and above in Maths, the circle represents students who scored 85% and above in English, the rectangle represents students who scored 85% and above in Science, and the square represents students who scored 85% and above in Social Sciences. The numbers given in the diagram represent the number of students in that particular category.



How many students scored 85% and above in all the subjects?

Ans





X 3. 11

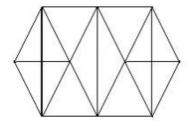
X 4. 17

Question ID: 816161552

Status : Answered

Chosen Option: 1

Q.15 How many triangles are present in the given figure?



Ans

X 1 28

2. 30

X 3. 26

X 4. 22

Question ID: 816161547

Status : Answered

Q.16 A+B means 'A is the mother of B';
A-B means 'A is the husband of B';
A × B means 'A is son of B';
A ÷ B means 'A is the daughter of B'.

If, W × Z + Y ÷ X, then how is X related to Z?

Ans X 1. Wife
X 2. Son
X 3. Daughter

4. Husband

Question ID: 816161537 Status: Answered Chosen Option: 3

Q.17 Select the set of letters that when sequentially placed in the blanks of the given letter series will complete the series. p_rsqrps_pqs_qr_qrps_p_s

Ans \times 1. q, r, p, p, r, q

× 2. p, r, p, s, r, p

√ 3. q, r, p, s, r, q

X 4. r, p, q, s, r, q

Question ID : 816161536 Status : Answered Chosen Option : 4

Q.18 Four words have been given, out of which three are alike in some manner, while one is different. Select the odd word.

Ans X 1. Scream

√ 2. Mumble

X 3. Shout

X 4. Roar

Question ID : 816161531 Status : Answered Chosen Option : 2 Q.19 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:

Some cars are buses.
Some buses are trucks.
Some trucks are scooters

Conclusions:

I. Some cars are scooters.

II. Some trucks are buses.

III. Some scooters are buses

IV. All scooters are trucks.

Ans

1 All the conclusions follow.

★ 2. Only conclusions II and IV follow.

3. Only conclusions I and II follow.

4. Only conclusion II follows.

Question ID : 816161538 Status : Answered Chosen Option : 4

Q.20 Arrange the following words in the order in which they appear in an English dictionary.

1. Decipher

2. Decide

3. Decline

4. Deceive

5. Decimal

6. Decision

Ans

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

√ 2. 4, 2, 5, 1, 6, 3

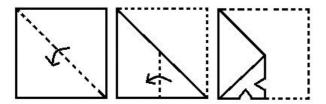
X 3. 4, 3, 2, 1, 5, 6

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

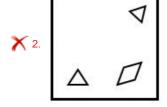
Question ID: 816161529

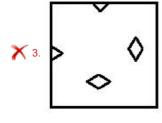
Status : Answered

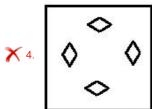
Q.21 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



Ans
✓1.







Question ID : 816161551 Status : Answered Chosen Option : 1

 $Q.22 \quad \text{Study the given pattern carefully and select the number that can replace the question } \max \left(?\right) \text{ in it.}$

29	71	67
8	11	14
4	7	?
3	6	3

Ans

V 1. 5

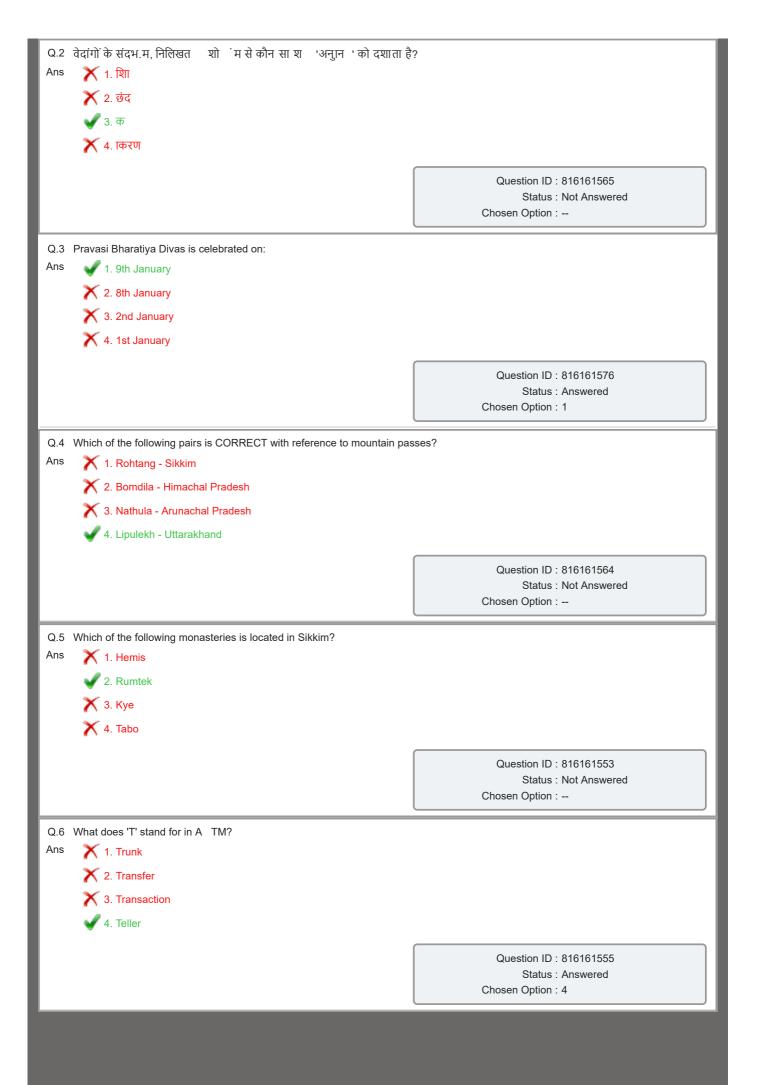
X 2. 6

X 3 3

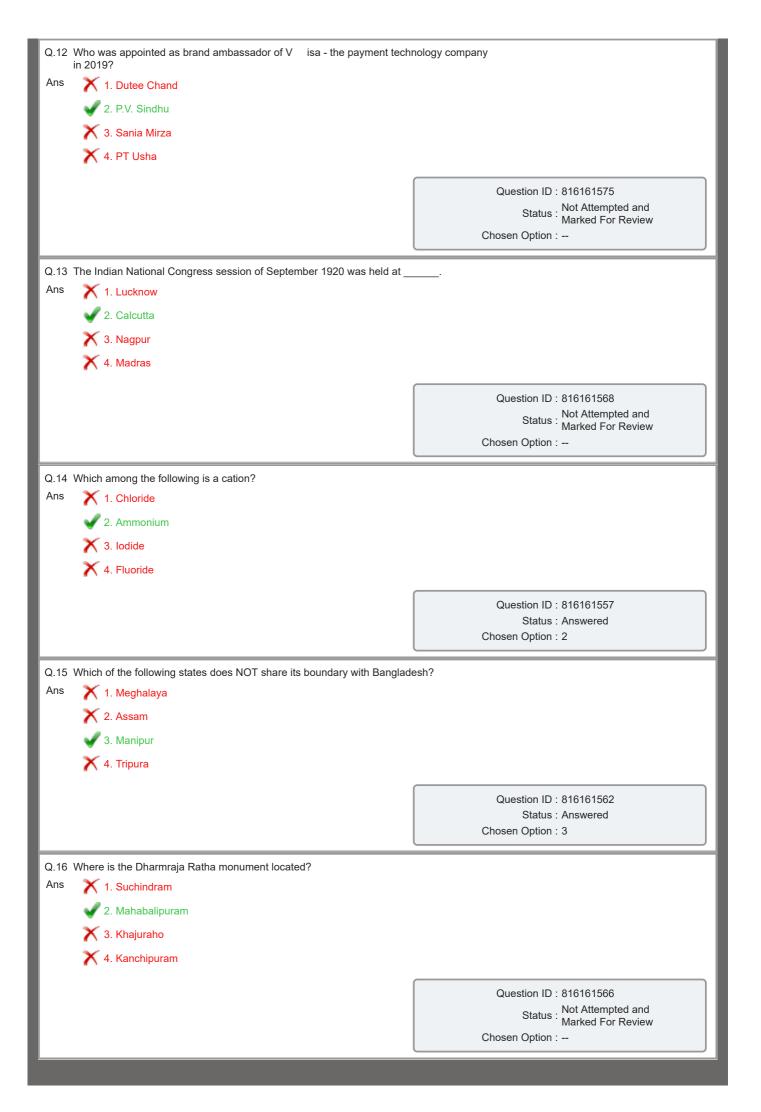
X 4. 4

Question ID : 816161543 Status : Answered

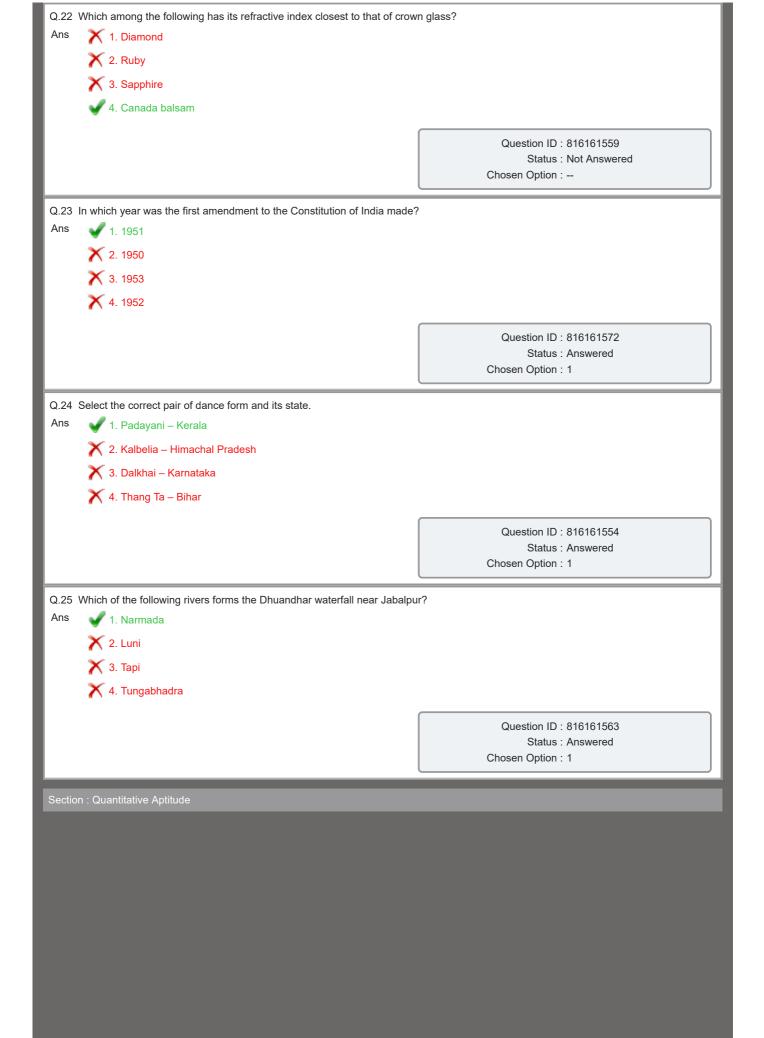
Q.23 In a certain code language, CIRCULAR is coded as 24-3-9-24-1-15-5-9. How will VERTICAL be coded as in that language? Ans **✓** 1. 5-4-9-7-3-24-5-15 × 2. 5-2-9-7-3-24-5-15 X 3. 22-4-9-7-3-23-1-15 X 4. 22-4-9-7-9-24-5-15 Question ID: 816161535 Status: Not Answered Chosen Option: --Q.24 Select the option that is related to the third word in the same way as the second word is related to the first word. Amusing: Hilarious:: Moisten:? Ans X 1 Water ✓ 2. Soak X 3. Dry X 4. Humid Question ID: 816161532 Status: Answered Chosen Option: 2 Q.25 Four letter-clusters have been given, out of which three are alike in some manner, while one is different. Select the odd letter-cluster. Ans √ 1. FIK X 2. NQT X 3. XAD X 4. SVY Question ID: 816161530 Status: Answered Chosen Option: 1 Q.1 Which Indian male cricketer won the BCCI CK Nayudu Lifetime Achievement A ward for the year 2019? Ans X 1. Rahul Dravid X 2. Sunil Gavaskar 3. Sachin Tendulkar 4. K Srikanth Question ID: 816161573 Status: Answered Chosen Option: 1



Q.7 The scientific study of a cell is called: Ans 1. taxonomy 2. cytology 3. histology X 4. physiology Question ID: 816161558 Status: Answered Chosen Option: 2 Q.8 Pradhan Mantri Jeevan Jyoti Bima Y ojana offers a protection term insurance cover of to the insurer . Ans **X** 1. ₹5 Lakh 2. ₹4 Lakh 3. ₹2 Lakh **X** 4. ₹8 Lakh Question ID: 816161556 Status: Not Answered Chosen Option: --Q.9 The power of a lens is -2.0 D. Here 'D' stands for: Ans 1. dioptre X 2. degree 3. distance X 4. dilation Question ID: 816161561 Status: Answered Chosen Option: 1 Q.10 शिवाजी महाराज के शासन -काल म मंपिरषद ् को किस नाम से जाना जाता था? 🗶 1. अ दिज 🗶 २. नवर **४** 3. अ धान 🗙 ४. अहारम Question ID: 816161567 Status: Marked For Review Chosen Option: 4 Q.11 For which game has the Father of Leander Paes been a member of the Indian National Ans X 1. Badminton 2. Hockey X 3. Tennis X 4. Basketball Question ID: 816161574 Status : Not Attempted and Marked For Review Chosen Option: --



Q.17 Who is the author of the book 'W ise and Otherwise: A Salute to Life'? Ans X 1. Kiran Desai \chi 2. Zoya Hasan 3. Amrita Pritam 4. Sudha Murthy Question ID: 816161570 Status : Not Attempted and Marked For Review Chosen Option: --Q.18 Which among the following is NOT an insulator? X 1. Dry Paper 2. Ebonite 3. Glass 4. Mercury Question ID: 816161560 Status: Answered Chosen Option: 4 Q.19 Which of the following Articles of the Constitution of India guarantees the Right to Freedom of Religion? Ans X 1. Articles 19-22 2. Articles 14-18 X 3. Articles 23-24 4. Articles 25-28 Question ID: 816161571 Status : Answered Chosen Option: 1 Q.20 ज़िकर पुरार एक अंतररा ीय पुरार है जो ____ के े म किये गए योगदान को सान देने के लिए दिया जाता है। 🗹 १. वा ुकला Ans \chi २. गणित 🗙 3. साहि **X** 4. दवा Question ID: 816161569 Status : Not Attempted and Marked For Review Chosen Option: --Q.21 In December 2019, the Rohtang passageway in Himachal Pradesh was renamed as: Ans X 1. Swaraj Tunnel 2. Atal Tunnel 3. Bose Tunnel X 4. Mukherjee Tunnel Question ID: 816161577 Status : Not Attempted and Marked For Review Chosen Option: --



Q.1 From the given table, what is the percentage of students scoring 40 or more, but less than 70.

Scores	less than						
	20	30	40	50	60	70	80
No. of students	12	19	22	31	38	46	50

Ans

X 1. 56%

X 2. 8%

X 3. 96%

4. 48%

Question ID : 816161601 Status : Not Answered

Chosen Option : --

Q.2 In an examination, Anita scored 31% marks and failed by 16 marks. Sunita scored 40% marks and obtained 56 marks more than those required to pass. Find the minimum marks required to pass.

Ans

1 264

X 2. 3944

X 3. 3116

X 4. 7100

Question ID: 816161582

Status: Answered

Chosen Option: 1

Q.3 By selling 18 table fans for ₹11,664 a man incurs a loss of 10%. How many fans should he sell for ₹17,424 to earn 10% profit?

Ans

1. 22

X 2. 23

X 3. 18

X 4. 20

Question ID: 816161583

Status : Answered

Chosen Option: 1

Q.4 The area of the four walls of a room having length 6 m, breadth 4 m and height 4 m, is:

Ans

X 1. 50 m²

✓ 2. 80 m²

 \times 3. 40 m²

X 4. 60 m²

Question ID: 816161588

Status : Answered

Q.5 What is the value of $\sin 30^{\circ} + \cos 30^{\circ} - \tan 45^{\circ}$?

Ans

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

$$\times$$
 2. $\frac{\sqrt{3}+1}{2}$

$$\times$$
 3. $\frac{\sqrt{2}+1}{\sqrt{2}}$

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

Question ID: 816161598

Status: Answered

Chosen Option: 1

Q.6 In a school, the distribution of teachers is as follows:

Age (years)	20-25	25-30	30-35	35-40	40-45	45-50	50-55
No. of Teachers	2	3	5	2	6	7	5

The total number of teachers of age less than 40 years is:

Ans

Question ID: 816161600

Status: Answered

Chosen Option: 4

Q.7 The average of five consecutive odd numbers is m. If the next three odd numbers are also included, then what is the increase in the average?

Δno

Question ID: 816161580

Status : Answered

Chosen Option: 4

Q.8 Ten men or twelve women can finish the same work in 10 days. If 5 men and 2 women undertake the work together, how many days will they take to complete the work?

Ans

Question ID: 816161586

Status : Answered

Q.9 The simple interest on a sum of ₹50,000 at the end of two years is ₹4,000. What would be the compound interest on the same sum at the same rate for the same period?

Ans

X 1 ₹8,000

√ 2. ₹4,080

X 3. ₹4,040

X 4. ₹4,008

Question ID: 816161585

Status : Answered Chosen Option : 2

Q.10

The value of $\frac{1-2\sin^2\theta\cos^2\theta}{\sin^4\theta+\cos^4\theta}-1$ is:

Ans

 $\times 1 - 2\sin^2\theta \cos^2\theta$

X 2. 1

3. **0**

X 4. −1

Question ID: 816161596

Status : Answered

Chosen Option: 3

Q.11 Study the given table carefully and answer the question that follows.

Year	2010	2011	2012	2013	2014
Number of students that appeared for an examination	600	750	840	960	1020
Number of students passed	420	510	525	620	810
Number of students passed with distinction	120	165	210	324	450

The percentage of students who have passed with distinction in the year 2012, is:

Ans

X 1. 20%

√ 2. 25%

X 3. 27%

X 4. 22%

Question ID: 816161599

Status : Answered

In a particular year, the number of students enrolled in different streams in a College is as follows:

Science		Arts		Comme	rce	Vocatio	mal
Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls
32	18	28	45	42	42	13	30

The percentage of girl students is:

Ans

- X 1. 50%
- **2**. 54%
- X 3. 135%
- X 4. 46%

Question ID: 816161602 Status: Answered

Chosen Option: 1

Q.13 The Value of $3 - (9 - 3 \times 8 \div 2)$ is

- Ans \times 1. -21
 - X 2. 0
 - \times 3. $\frac{21}{2}$
 - **4**. 6

Question ID: 816161579

Status: Answered

Chosen Option: 4

If $1 - 64x^3 - 12x + px^2 = (1 - 4x)^3$, then the value of p is:

- Ans \times 1. -12
 - X 2. 16
 - X 3. -48
 - **√** 4. 48

Question ID: 816161591 Status: Answered

Chosen Option: 4

Q.15 If the given number 925x85 is divisible by 11, then the smallest value of x is:

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

Question ID: 816161578

Status: Answered

Q.16

The value of $151^2 - 149^2$ is:

Ans

X 1 300

2. 600

X 3. 2²

X 4. 400

Question ID: 816161589

Status: Answered

Chosen Option: 2

Q.17 While selling an article of marked price ₹5,040 at a discount of 40%, if a trader gains 20%, then the profit in ₹ is:

Ans

X 1. ₹720

√ 2. ₹504

X 3. ₹642

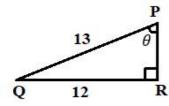
X 4. ₹2,520

Question ID: 816161581

Status: Answered

Chosen Option: 2

Q.18 In the given figure, $\cos \theta$ is equal to:



Ans

X 1. $\frac{12}{13}$

 \times 2. $\frac{12}{5}$

X 3. $\frac{5}{12}$

√ 4. $\frac{5}{13}$

Question ID : 816161597 Status : Answered

---- Onting : 4

Q.19 If A : B = 3 : 5, and B : C = 2 : 3, then A : B : C is equal to:

Ans

√ 1. 6:10:15

X 2. 3:8:6

X 3. 6:15:10

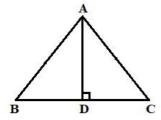
X 4. 3:7:3

Question ID: 816161584

Status: Answered

Chosen Option: 1

Q.20 In the given figure, $\triangle ABC$ is an isosceles triangle, in which AB = AC, $AD \perp BC$, BC = 6 cm and AD = 4 cm. The length of AB is:



Ans

✓ 1. 5 cm

X 2. 4 cm

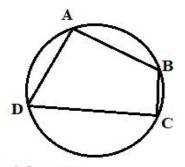
X 3. 6 cm

X 4. 7 cm

Question ID: 816161595 Status: Answered

Chosen Option: 1

Q.21 In the figure, if $\angle A = 100^{\circ}$ then $\angle C = ?$



Ans

X 1 100°

√ 2. 80°

X 3. 50°

X 4. 90°

Question ID: 816161592

Status : Answered

Q.22 Two cars A and B leave Delhi at 8:30 a.m. and at 9 a.m. for Shimla, respectively. They travel at the speeds of 40km/h and 50 km/h respectively. How many kilometres away from Delhi will the two cars be together?

Ans

× 1 45 km

X 2. 5 km

X 3. 200 km

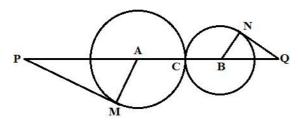
✓ 4. 100 km

Question ID: 816161587

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.23 In the given figure, MP is tangent to a circle with centre A and NQ is a tangent to a circle with centre B. If MP = 15 cm, NQ = 8 cm, PA = 17 cm and BQ = 10 cm, then AB is:



Ans

X 1. 23 cm

X 2. 13.5 cm

X 3. 28 cm

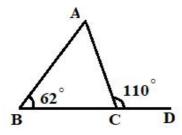
✓ 4. 14 cm

Question ID: 816161593

Status : Answered

Chosen Option: 4

Q.24 In the given figure, the measure of $\angle BAC$ is:



Ans

X 1. 56°

X 2. 58°

X 3. 62°

√ 4. 48°

Question ID: 816161594

Status : Answered

Q.25	The coefficient of y in the expansion of $(2y-5)^3$, is:				
Ans					
	× 2. −30				
	✓ 3. 150				
	× 4. −150				
		Question ID : 816161590			
		Status : Answered			
		Chosen Option : 3			
Section	on : English Comprehension				
Q.1	Select the most appropriate synonym of the given word.				
	Sacred				
Ans	X 1. Precious				
	× 2. Valued				
	X 3. Scarce				
	√ 4. Holy				
		Question ID : 816161617			
		Status : Answered Chosen Option : 4			
		опосон орнон . т			
	Select the INCORRECTL Y spelt word.				
Ans	1. Accross				
	X 2. Already				
	X 3. Alien X 4. Awful				
	4. AWTUI				
		Question ID : 816161625			
		Status : Answered Chosen Option : 1			
		·			
	Select the most appropriate ANT ONYM of the given word.				
Ans	Native				
A119	X 1. Urban				
	X 2. Rural✓ 3. Foreign				
	X 4. Rustic				
	T. Rusuc				
		Question ID : 816161619			
		Status : Answered Chosen Option : 3			

Q.4 Select the most appropriate meaning of the given idiom. Look down upon Ans 1. To consider someone inferior X 2. To be full of guilt 3. To look for something underground \chi 4. To look down from a height Question ID: 816161621 Status: Answered Chosen Option: 1 Q.5 Select the correct passive form of the given sentence. The children sang the National Anthem with great enthusiasm. Ans 1. The National Anthem was sung with great enthusiasm by the children. X 2. The National Anthem is sung with great enthusiasm by the children. 3. The National Anthem has been sung with great enthusiasm by the children. igwedge 4. The National Anthem was being sung with great enthusiasm by the children. Question ID: 816161605 Status: Answered Chosen Option: 1 Q.6 Select the option that can be used as a one word substitute for the given group of A game in which neither party wins Ans 1. Flop 2. Equal 3. Draw X 4. Quit Question ID: 816161623 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. Advertising is the promotion of goods and services. It provides an (1) manufacturing companies to sell their (2)_____ better than their competitors. Every time we the television we find some product or the other (4) pushed towards us. It cannot be denied that the (5)____ behind commercial advertising is to increase sales and earn more profit. SubQuestion No: 7 Q.7 Select the most appropriate option to fill in blank number (1). 1. opportunity 2. event 3. occasion 4. excuse Question ID: 816161610 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.							
	Advertising is the promotion of goods and services. It provides an (1) to the manufacturing companies to sell their (2) better than their competitors. Every time we switch (3) the television we find some product or the other (4) pushed towards us. It cannot be denied that the (5) behind commercial advertising is to increase sales and earn more profit.							
	SubQuestion No : 8							
Q.8	Select the most appropriate option to fill in blank number (2).							
Ans	X 1. creation							
	2. products							
	X 3. compounds							
	X 4. outcome							
		Question ID : 816161611						
		Status : Answered Chosen Option : 2						
		Shoon spacific						
	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.							
	Advertising is the promotion of goods and services. It provides an (1) to the manufacturing companies to sell their (2) better than their competitors. Every time we switch (3) the television we find some product or the other (4) pushed towards us. It cannot be denied that the (5) behind commercial advertising is to increase sales and earn more profit.							
	SubQuestion No : 9							
Q.9	Select the most appropriate option to fill in blank number (3).							
Ans								
	× 2. in							
	✓ 3. on							
	★ 4. at							
	X 4. at							
		Question ID : 816161612						
		Status : Answered						
		Chosen Option : 3						
	Commentered							
	Comprehension: In the following passage some words have been deleted. Fill in the blanks alternatives given. Select the most appropriate option for each blank.	s with the help of the						
	Advertising is the promotion of goods and services. It provides an (1)	pushed towards						
	SubQuestion No : 10							
Q.10	Select the most appropriate option to fill in blank number (4).							
Ans	X 1. been							
	✓ 2. being							
	★ 3. be							
X 4. to be								
	7. to be							

Question ID : 816161613 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.

Advertising is the promotion of goods and services. It provides an (1)_____ to the manufacturing companies to sell their (2)_____ better than their competitors. Every time we switch (3)____ the television we find some product or the other (4)____ pushed towards us. It cannot be denied that the (5)____ behind commercial advertising is to increase sales and earn more profit.

SubQuestion No: 1 1

Q.11 Select the most appropriate option to fill in blank number (5).

Ans

X 1. feeling

X 2. emotion

3. motive

X 4. influence

Question ID : 816161614 Status : Answered

Chosen Option: 3

 $\ensuremath{\text{Q.12}}$ Select the correct indirect form of the given sentence.

The traveller said to a passerby , "Can you help me find my way , please?"

Ans

X 1. The traveller asked the passerby could you kindly help me find my way?

2. The traveller asked the passerby that he can kindly help him find his way.

igwedge 3. The traveller requested to the passerby if he can help him find his way.

4. The traveller asked the passerby if he could kindly help him find his way.

Question ID : 816161606 Status : Answered

Chosen Option: 4

- Q.13 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order .
 - A. When a calf is born under water $\,$, the mother must get it to the surface before it drowns.
 - B. The young ones remain with their parents for up to fifteen years or more.
 - C. Often another whale assists the mother nudging the baby gently and encouraging it to swim
 - D. Whales have highly developed maternal instincts.

Ans

1. DACB

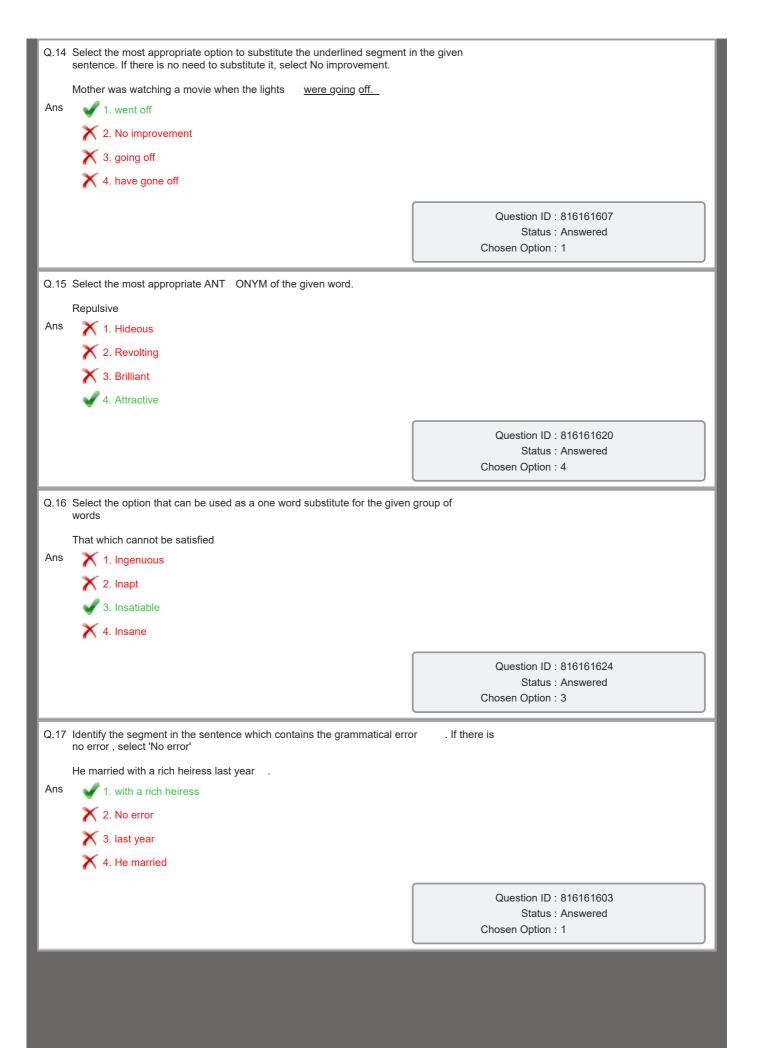
X 2. DBCA

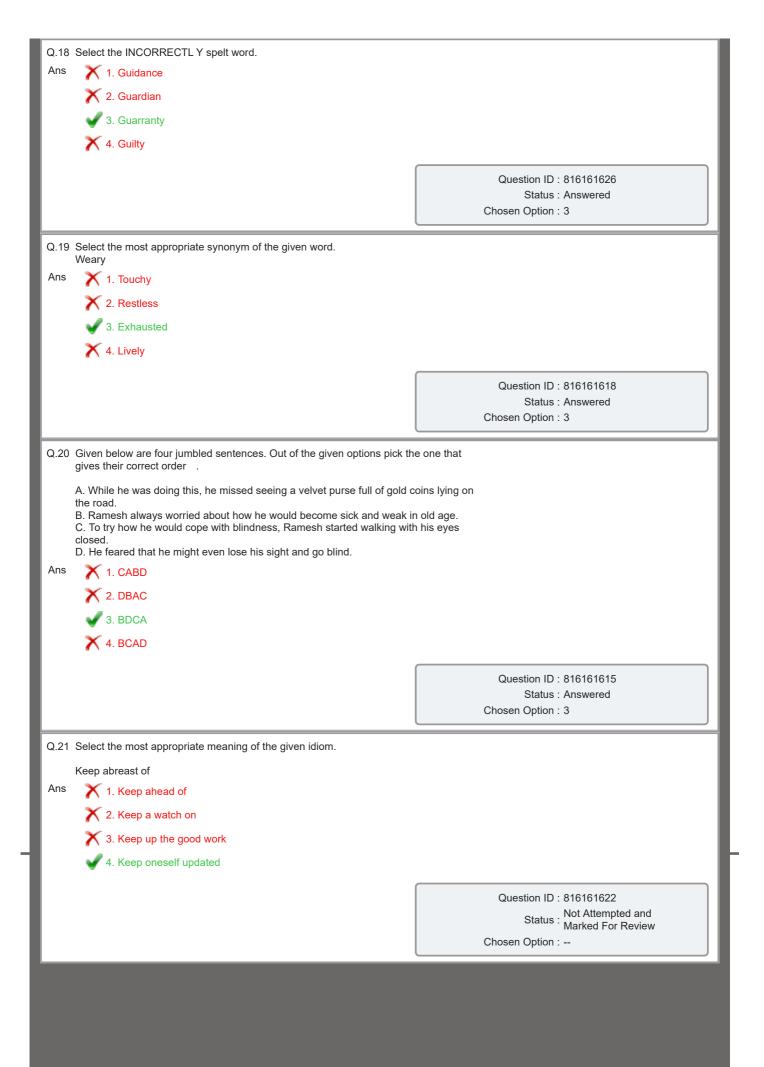
X 3. BCAD

X 4. CBDA

Question ID: 816161616

Status: Answered





.22 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.						
Scarcely had the passengers boarded the	plane when the captain wel	comed them.				
Ans 1. No improvement						
X 2. that the captain welcomed them						
X 3. than the captain welcomes them						
X 4. when the captain had welcomed	nem					
		Question ID : 816161608				
		Status : Answered Chosen Option : 1				
		Спозен Орнон. 1				
Q.23 Fill in the blank with the most appropriate v	ord.					
The minister gave an that strict ac	on would be taken against the	culprits.				
Ans 1. insurance						
2. assurance						
3. ambition4. admission						
4. admission						
		Question ID : 816161627				
		Status : Answered Chosen Option : 2				
Q.24 Identify the segment in the sentence which no error , select 'No error'	contains the grammatical erro	r . If there is				
	The famous author and actor are being honoured at a function today					
Ans X 1. at a function today						
2. No error						
3. are being honoured						
X 4. The famous author and actor						
		Question ID : 816161604				
		Status : Answered Chosen Option : 3				
Q.25 Fill in the blank with the most appropriate v						
She was loved by her employees for her	.					
Ans 1. benevolence 2. malevolence						
3. condolence						
X 4. insolence						
T. IIISOICHUC						
		Question ID : 816161628 Status : Answered				
		Chosen Option : 1				