### Combined Graduate Level Examination-2019 (Tier-I)

Roll Number		
Candidate Name		
Venue Name		
Exam Date		
Exam Time		
Subject	CGLE Tier I	



Section: General Intelligence and Reasoning

Q.1 Select the letter that can replace the question mark (?) in the following series.

O, B, L, C, I, D, F, E, ?

Ans X 1. N

X 2. K

**√** 3. C

X 4. H

question ID : 8161611

Status : Not Attempted and Marked For Review

Chosen Option: --

If the following words are arranged as per their order in the English dictionary was of the slowing words will come Q.2 third in the sequence?

- 1. Isomer
- Isoline
- Isotope
   Isolate
- 5. Isologs
- 6. Isonomy

Ans

1. Isologs

X 2. Isomer

X 3. Isolate

X 4. Isoline

Question ID: 8161612 Status: Answered

Chosen Option: 2

Q.3 In a certain cone inguage, 'SERVANT' is coded as '192182211420'. How will 'MAGNIFY' be coded as in that

Ans

X 1. 1316143522

X 2. 1417139625

√ 3. 1317143625

X 4. 1426693625

Question ID: 8161618

Status: Answered

Q.4	Select the option in which the numbers are related in the same way as are the numbers in the given set. (11, 165, 209)						
Ans	× 1. (17, 245, 323)						
	× 2. (14, 210, 276)						
	× 3. (15, 225, 275)						
	<b>✓</b> 4. (12, 180, 228)						
		Question ID : <b>81616115</b>					
		Status : Not Attempted and Marked For Review					
		Marked For Review Chosen Option :					
Q.5	The sequence of folding a piece of paper and the manner in which the folded paper has	been cut is shown in the					
4.5	following figures. How would this paper look when unfolded?						
Ans							
AllS	X 1. 0 A A 0						
	X 2.						
	3.						
	× 4.						
		Question ID : <b>81616124</b>					
		Status : <b>Answered</b>					
		Chosen Option : 3					
Q.6	The total c. S or Amit and Suvarna on 1 January 2015 is 61 years. Amit is three year What was the a. Survarna on 1 January 2010?	ars younger than Suvarna.					
Ans	X 1. 29 years						
	× 2. 32 years						
	√ 3. 27 years						
	× 4. 24 years						
		Question ID : <b>81616118</b>					
		Status : <b>Answered</b>					
		Chosen Option : 4					

Q.7 Select the correct mirror image of the given alphanumeric-cluster when a mirror is placed on the right side of the cluster.

### 5G7NPQ4

Ans

- 5 G 7 N P Q 4 1 V
- X 5 G 7 N P Q 4
- 5GINP 04 EX
- 2 C 7 N P Q 4 . X

Question ID: 81616123

Status : Answered

Chosen Option: 1

Q.8 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Ans

- X 1. 21:437
- X 2. 33:1085
- **√** 3. 11 : 118
- X 4. 35: 1221

Question ID: 81616114

Status: Answered

Chosen Option: 3

Q.9 Four words have been given, out of which three are alike in some mann an ne is ifferent. Select the odd word.

Ans

- X 1. Non-violence
- × 2. Truth
- √ 3. Hatred
- X 4. Peace

Question ID: 8161614

Status : Answered

Chosen Option :  ${\bf 2}$ 

A+B means 'A is the father of B';

A-B means 'A is the sister of B';

A × B means 'A is the brother of B';

A + B means 'A is the mother of B'.

If,  $U + H \times L - Q \div R - Y$ , then how is L related to Y?

X 1. Maternal grandmother

X 2. Mother's brother

√ 3. Mother's sister

X 4. Sister

Question ID: 816161. Stati . sw ed

Chosen Opt. > 3

Q.11 Select the number that can replace the question mark (?) in the following series

87, 89, 92, 97, 104, 115, ?, 145

Ans X 1. 133

X 2. 132

X 3. 125

4. 128

Question ID: 81616112

Status: Answered

Chosen Option: 4

Q.12 Study the given pattern carefully and select umbe hat in replace the question mark (?) in it.

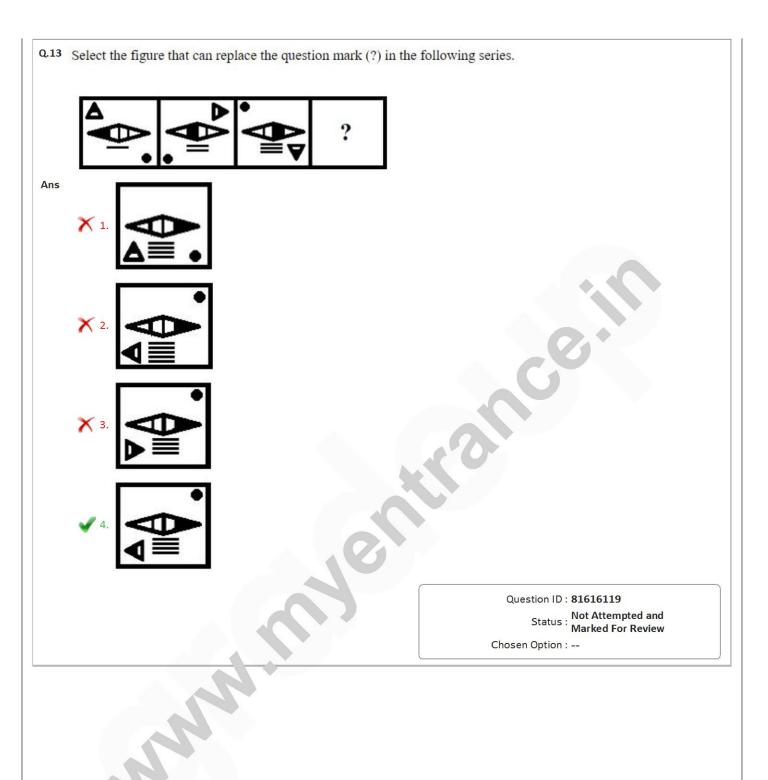
28	30	36	
36	32	18	
252	240	?	

Ans

X 1. 268

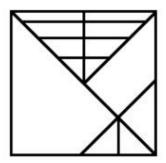
Question ID: 81616116

Status : Not Attempted and Marked For Review





Q.14 How many triangles are there in the given figure?



Ans

X 1. 24

X 2. 18

X 3. 22

**4**. 20

Qu rtion ): **81616120** 

سيدus : Answered

Those Option: 3

Q.15 'Beverages' is related to 'Tea' in the same way as 'Medicine' is related > \_\_\_\_\_

Ans

1. Analgesics

X 2. Hospital

X 3. Doctor

X 4. Disease

Question ID : **8161615** 

Status : Answered

Chosen Option : 1

Q.16 Select the letter-cluster that can epla the question mark (?) in the following series.

KQG, JTK, HXO, ECS

Ans

X 1. BIX

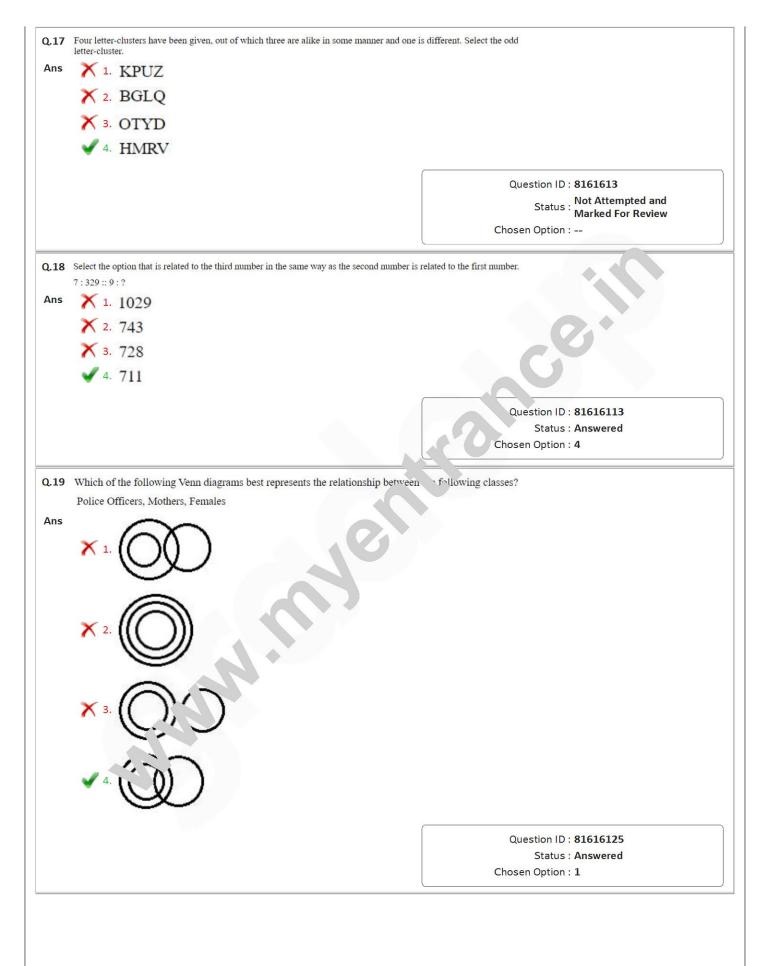


X 2 D V

X 4. . . V

Question ID: 8161619

Status : Not Attempted and Marked For Review



Q.20 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 prizes are medals.
- 2. Some prizes are certificates.

#### Conclusions:

- I. Some certificates are prizes.
- II. Some medals are prizes.
- III. Some certificates are medals.

Ans

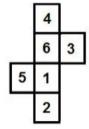
- 1. Only conclusions I and III follow.
- × 2. Only conclusions II and III follow.
- X 3. Only conclusions I and II follow.
- ✓ 4. All conclusions I, II and III follow.

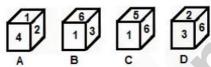
Question | ~1616\*111

Sta s' ar wered

Choser tio.

Q.21 Select the dices that can be formed by folding the given sheet along the li .es.





Ans

- X 1. Only B, C and D
- X 2. Only A and B
- Ja. Only B and C
- X 4. Only 2 3 1レ

Question ID: 81616121

Status : Answered

Q.22 Which two signs and two numbers should be interchanged to make the given equation correct?

 $17 + 11 - 12 \times 36 \div 6 = 80$ 

Ans  $\checkmark$  1.  $\times$  and -; 6 and 12

X 2. × and -; 17 and 11

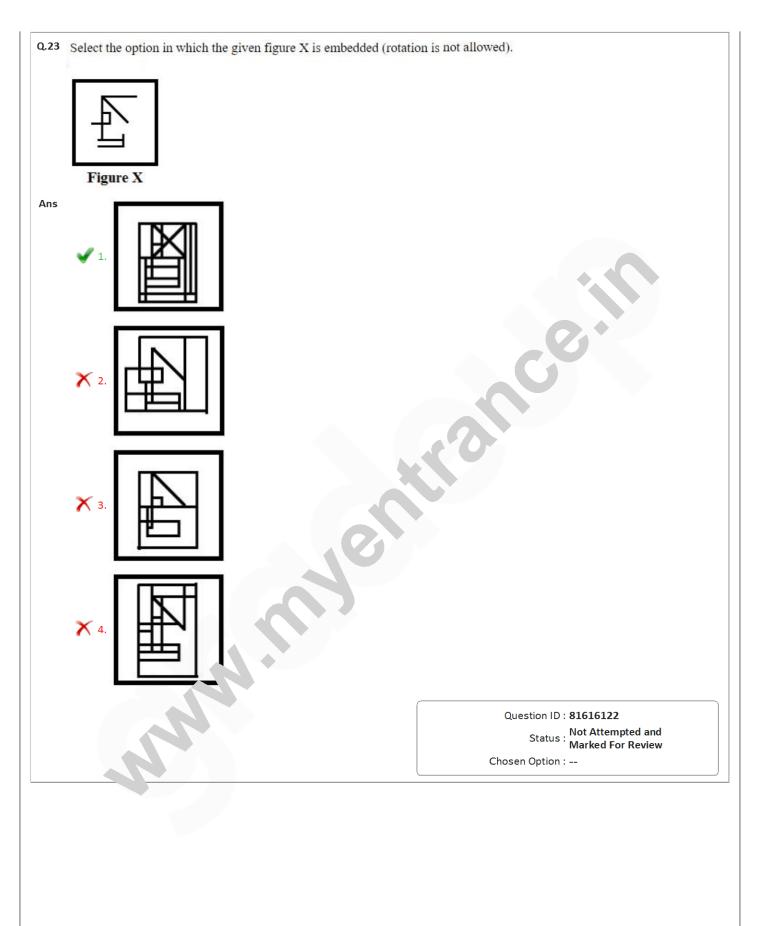
X 3. × and −; 17 and 12

X 4. + and -; 6 and 12

Question ID: 81616117

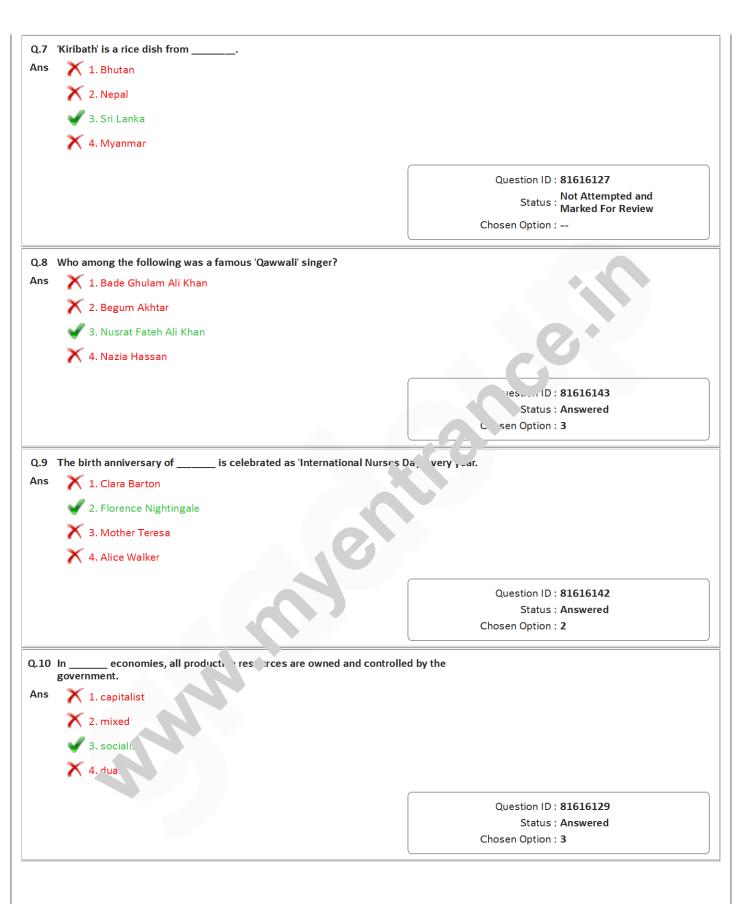
Status : Not Attempted and Marked For Review



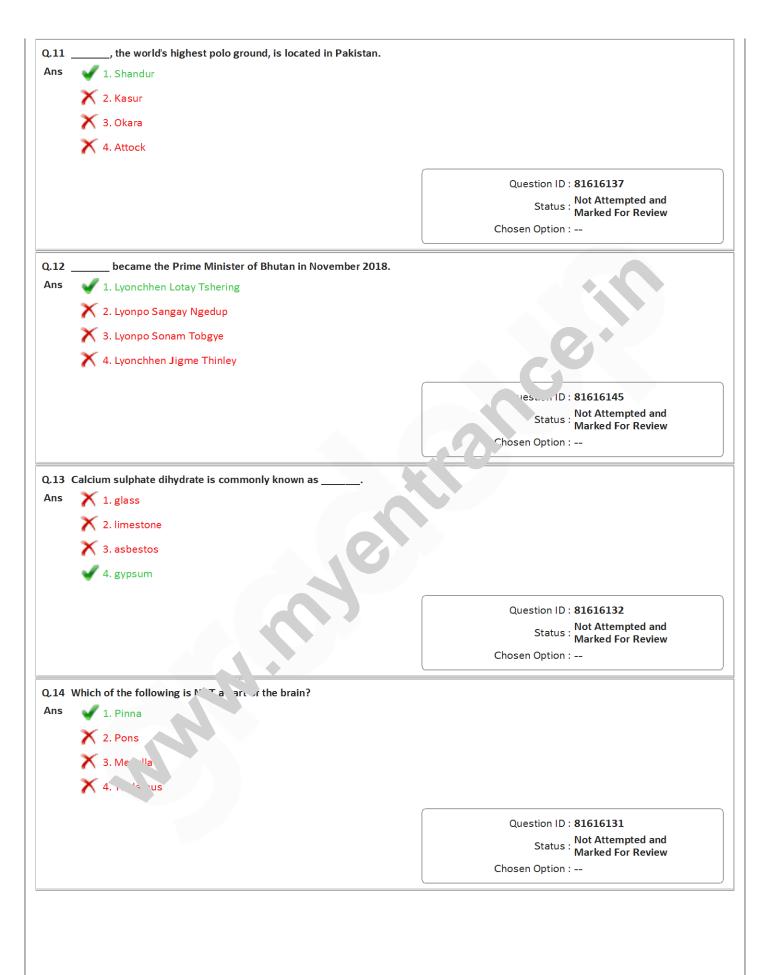


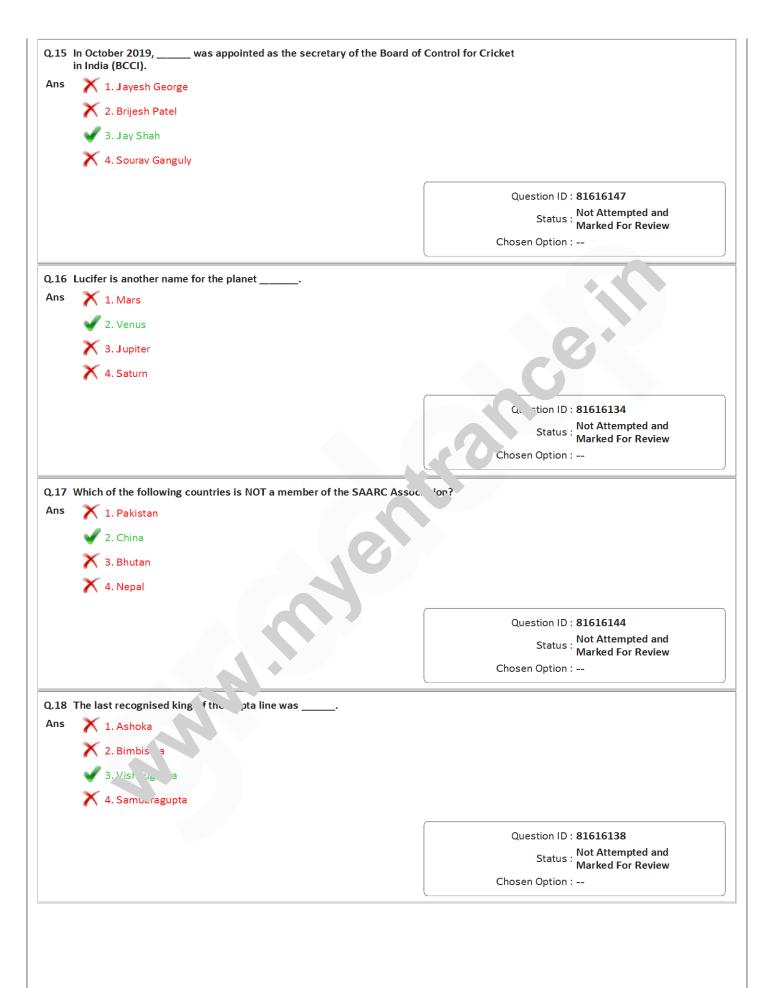
Q.24 Select the option in which the words share the same relationship as that shared by the given pair of words. Ans 1. Food : Vegetarian X 2. Weight : Kilogram √ 3. Clock: Time X 4. Class : Group Question ID: 8161616 Status: Answered Chosen Option: 3 Q.25 In a certain code language, 'DEPEND' is written as 'EPHTJJ'. How will 'TRAVEL' be written as in that language? X 1. MGZEXZ X 2. NGYFWZ X 3. MGWEWY 4. MGYEWZ Question ID: 8161617 Status : Not Attempted and Marked For Review Chosen Option: --Section: General Awareness Q.1 Name the Indian elected to the International Narcotics Control Booth by the UN Economic and Social Council on 23 April 2014 and re-elected by the corneil for a 5-year term (2020-2025) on 7 May 2019. Ans \chi 1. Sudhir Rajkumar 2. Jagjit Pavadia 3. Syed Akbaruddin 4. Yasmin Ali Haque Question ID: 81616150 Status: Not Attempted and **Marked For Review** Chosen Option: --Q.2 Hiuen Tsang ... as the prince of pilgrims, visited India during the reign of king \_\_\_\_\_. Ans 2. Vishnugupta X 4. Samudragupta Question ID: 81616140 Status : Not Attempted and Marked For Review Chosen Option: --

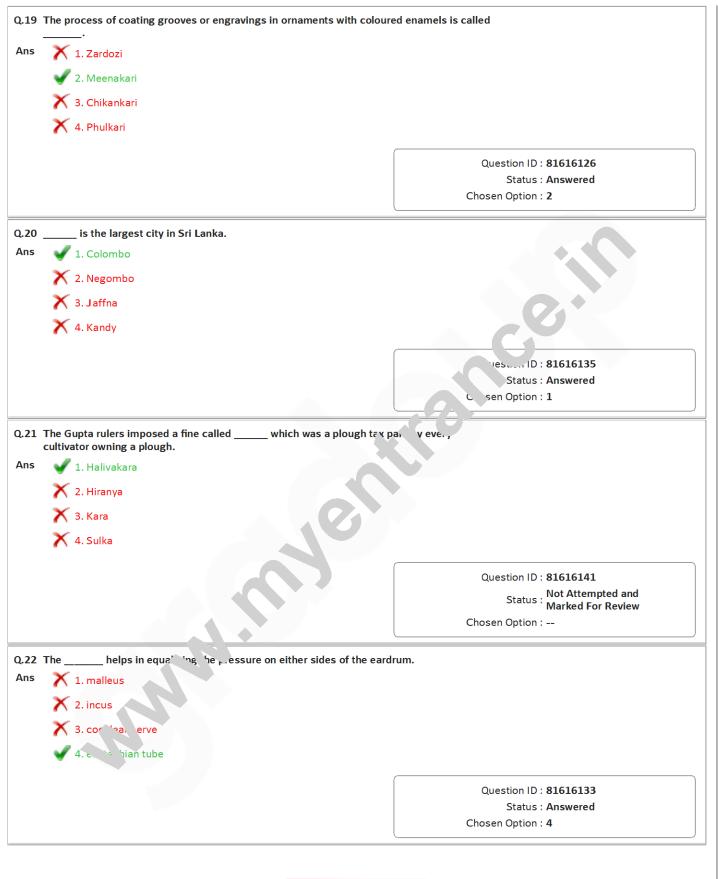
	as of January 2020, which of the following countries had NOT independ- uman into space?	ently launched a
Ans	X 1. USA	
	× 2. Russia	
	✓ 3. India	
	X 4. China	
	4. Crima	
		Question ID : <b>81616148</b>
		Status : Answered
		Chosen Option : 3
Q.4 T	he city of is located at the mouth of the Yangtze River.	
Ans	X 1. Guangzhou	
	× 2. Beijing	
	✓ 3. Shanghai	
	X 4. Lhasa	
		nes(D: 81616136
		Status : Not Attempted and Marked For Review
		Chosen Option :
Q.5 V	Who among the following publishes the Economic Survey of India?	
Ans	1. Ministry of Finance	
	× 2. Indian Statistical Institute	
	X 3. Institute of finance	
	X 4. National Development Council	
	4. National Development Council	
		Question ID : <b>81616128</b>
		Status : Answered
		Chosen Option : 2
Q.6 A	s of December 2019, Iargest crude oil supplier to India.	
Ans	X 1. Iran	
	X 2. United Arab . 3 s	
	2. Office Alab :	
	3. Iraq  X 4. Sau 7. a	
	<b>X</b> 4. Sau a	
		Question ID: <b>81616149</b>
		Status : Answered
		Chosen Option : 1
	,	













#### Q.23 The first ruler of Magadha from the Haryanka dynasty was

Ans

- 1. Bimbisara
- 2. Prasenajit
- 3. Ajatshatru
- X 4. Ashoka

Question ID: 81616139

Status : Not Attempted and Marked For Review

Chosen Option: --

## Q.24 Who was the first Indian to receive the International Shooting Sport Federation (ISSF) Blue

Ans

- X 1. Vijay Kumar
- 2. Abhinav Bindra
- X 3. Ronjan Sodhi
- X 4. Gagan Narang

stion ID: 81616146

Status : Not Attempted and Marked For Review

Chosen Option : --

#### Q.25 1 horsepower = approximately \_\_\_\_ watts.

Question ID: 81616130

Status: Answered

Chosen Option: 2

Section: Quantitative Aptitude

The value 
$$c^2 - 2\sqrt{2}b^3$$
 is equal to:

$$\times$$
 1. (...  $\sqrt{2}b$ )(9 $a^2$  + 2 $b^2$  + 6 $\sqrt{2}ab$ )

$$\times$$
 2.  $(3a - \sqrt{2}b)(9a^2 - 2b^2 - 3\sqrt{2}ab)$ 

$$\checkmark$$
 3.  $(3a - \sqrt{2}b)(9a^2 + 2b^2 + 3\sqrt{2}ab)$ 

$$\times$$
 4.  $(3a - \sqrt{2}b)(9a^2 - 2b^2 + 6\sqrt{2}ab)$ 

Question ID: 81616163

Status : Not Attempted and Marked For Review

Q.2 The curved surface area of a hemisphere with radius 7 cm is:

(Take 
$$\pi = \frac{22}{7}$$
)

Ans

- X 1. 385 cm<sup>2</sup>
- × 2. 462 cm<sup>2</sup>
- ✓ 3. 308 cm<sup>2</sup>
- × 4. 616 cm<sup>2</sup>

Question ID: 81616161

Status : Not Atter and Marked r Re w

Chosen Option: --

Q.3 The value of  $\frac{36 \div 42 \ of \ 6 \times 7 + 24 \times 6 \div 18 + 3 \div (2 - 6) - (4 + 3 \times 2) \div 8}{21 \div 3 \ of \ 7}$  is:

Ans

- 1.
- $\times$  2.  $7\frac{1}{2}$
- $\times$  3.  $\frac{1}{7}$
- X 4. 8  $\frac{1}{2}$

Question ID: 81616164

Status : Not Attempted and Marked For Review

Chosen Option : --

The value of  $\frac{\tan 30^{\circ}}{\cos 3^{\circ}}$  is

Ans

- $\times$  1.  $\sqrt{3} + 3$
- **√** 2.  $\frac{8}{3}$
- $\times$  3. 1 +  $\sqrt{3}$
- $\times$  4.  $\frac{8}{\sqrt{3}}$

Question ID : **81616171** Status : **Answered** 

Q.5 From the following table, how many patients were in the age group 40-60?

Age (years)	less						
	than 10	than 20	than 30	than 40	than 50	than 60	than 70
No. of patients	11	15	22	29	35	45	50

X 1. 45

X 2. 6

X 3. 29

**4**. 16

Question ID: 8161 73

Status : Answere

Chosen Opti ::

As per data in the table, what is the percentage of students who got 20 or more marks?

Scores	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
No. of students	13	15	18	12	14	19	6	3

Ans X 1. 58%

X 2. 14%

**√** 3. 42%

X 4. 54%

Question ID: 81616172

Status: Answered

Chosen Option: 1

0.7 
$$(a+b-c+d)^2-(a-b-c-d)^2=?$$

Ans  $\times$  1. 4a(b-1+)

 $\times$  2. 2a(u-b-c)

 $\checkmark$  3.  $4\iota(\iota + d - c)$ 

 $\times$  4. 2a(b+c-d)

Question ID: 81616162

Status: Answered

Q.8 In the given figure, AP and BP are tangents to a circle with centre O. If  $\angle APB = 62^{\circ}$  then the measure of  $\angle AQB$  is:



Ans

X 1. 28°

X 2. 118°

X 3. 31°

✓ 4. 59°

Question ID : 8161616F

Status : No Attented a J Mari 1 Fo. 'eview

Chosen Option: --

Q.9 In a circle with radius 5 cm, a chord is at a distance of 3 cm from the centre. The length of the chord is:

Ans

X 1. 7 cm

X 2. 3 cm

**√** 3. 8 cm

X 4. 4 cm

Question ID : **81616165** 

Status : Answered

Chosen Option: 3

Q.10 If  $2\sin\theta - 8\cos^2\theta + 5 = 0$ ,  $0^{\circ} < \theta < 90^{\circ}$ , then what is v the of  $(\tan 2\theta + \csc 2\theta)$ ?

Ans

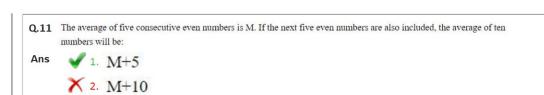
$$\sqrt{1.} \frac{5\sqrt{3}}{3}$$

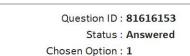
$$\times$$
 4.  $\frac{4\sqrt{3}}{2}$ 

Question ID : **81616169** 

Status : Not Attempted and Marked For Review







Q.12 The table below shows income (in rupees) for a particular month, together with their sources in respect of 5 employees A, B, C, D, and E.

Employee	A	В	С	D	E
Salary	52,000	48,500	42,000	31,000	25,000
Overtime	0	0	1,500	2,500	3,200
Arrears	5,500	4,500	4,000	3,000	1,500
Bonus	3,500	3,000	2,500	2,000	2,000
Miscellaneous income	5,000	3,000	2,000	1,500	0
Total	66,000	59,000	52,000	40,000	31,700

How many employees have their salary more than four times their other incomes?

Ans X 1. 1

X 2. 4

**X** 3. 10 **X** 4. 11

**3**. 2

X 4. 3

Question ID: 81616174
Status: Answered
Chosen Option: 3

Q.13 In the given figure, AP bisects  $\angle BAC$ . If AB =  $\cdot$   $\cdot$   $\cdot$   $\cdot$   $\cdot$   $\cdot$   $\cdot$  AC = 6 cm and BP = 3 cm, then the length of CP is:



Ans

1. 5 cm

2. 3 ° °

X 3

4. 4.5 cm

Question ID: 81616168

Status : Not Attempted and Marked For Review

Q.14 A can finish a work in 20 days and B can finish the same work in 25 days. They began together, but B left the work after 5 days. How many more days will A take to finish the remaining work? Ans X 1. 21 X 2. 8 X 3. 16 **4**. 11 Question ID: 81616159 Status: Answered Chosen Option: 4 Q.15 What should replace \* in the number 94\*2357, so that number is divisible by 11? X 1. 8 **1** 2. 3 X 3. 1 estion ID : 81616151 Status: Answered Chusen Option: 1 Q.16 Two numbers are in the ratio 5: 7. If the first number is 20, then the ond imber will be: **1**. 28 X 2. 18 X 3. 8 X 4. 22 Question ID: 81616157 Status: Answered Chosen Option: 1 In  $\triangle ABC$ , if AB = AC  $\triangle BAC = 40^{\circ}$ , then the measure of  $\angle B$  is: X 1. 50° Ans × 2. 60° Question ID: 81616167 Status: Answered Chosen Option: 3

Q.18 Two racers run at a speed of 100 m/min and 120 m/min, respectively. If the second racer takes 10 minutes less than the first to complete the run, then how long is the race?

Ans

1. 1 km

√ 2. 6 km

X 3. 2 km

X 4. 4 km

Question ID: 81616160 Status: Answered Chosen Option: 2

Q.19 If the difference between 62% and 80% of a number is 198, then the difference between 92% and 56% of the number will be:

Ans

1. 396

X 2. 3564

X 3. 1100

X 4. 360

Qu., tion ID: 81616155

Status: Answered

Chosen Option : 1

Q.20 The number of students enrolled in different faculties in a s., ol is as follows:

Science	ce	Arts		Commerce		Vocational	
Boys	Girls	Boys	Girls	Boys	Girls	Boys	Crls
35	18	25	47	45	40	10	

The percentage of students studyi in ience or Vocational subjects is:

Ans

√ 1. 37.2%

× 2. 50%

X 3. 25%

X 4. 93%

Question ID: 81616175

Status : Not Attempted and Marked For Review



Ans

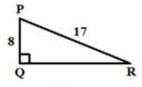
- X 1. 32%
- X 2. 20%
- **√** 3. 12%
- X 4. 30%

Question ID: 81616154

Status : Not Attempted and Marked For Review

Chosen Option: --

# Q.22 In the figure, what is the value of $cot\theta$ ?



Ans

- × 1.  $\frac{17}{18}$
- $\times$  2.  $\frac{15}{17}$
- **X** 3.  $\frac{8}{15}$
- $\checkmark$  4.  $\frac{15}{8}$

Question ID: 81616170

Status : Answered

Chosen Option: 4

Q.23 A dealer sold 6 sewing machines <sup>465</sup> 70 v. .n a profit of 5%. For how much should he sell 8 machines if he intends to earn 15% profit?

Ans

- **√** 1. ₹92,000
- × 2. ₹19.2 10
- X 3. \ 200
- X 4. ₹92,400

Question ID: 81616156

Status : Not Attempted and Marked For Review

Ans

- X 1.  $-\frac{9}{8}$
- $\checkmark$  2.  $-\frac{19}{8}$
- $\times$  3.  $-\frac{1}{3}$
- $\times$  4.  $-\frac{1}{12}$

Question ID: 8161t 2

Status: Answere L

Chosen Optin:

Q.25 The simple interest on a certain sum at the end of three years at 5% p.a. is ₹1,200. The compound interest on the same sum for the same period at the same rate is (interest compounded yearly):

Ans

- X 1. ₹820
- **X** 2. ₹1,260
- X 3. ₹1,800
- **√** 4. ₹1,261

Question ID: 81616158

Status : Answered

Chosen Option: 4

Section: English Comprehension

Q.1 Select the most appropriate option to suke itute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

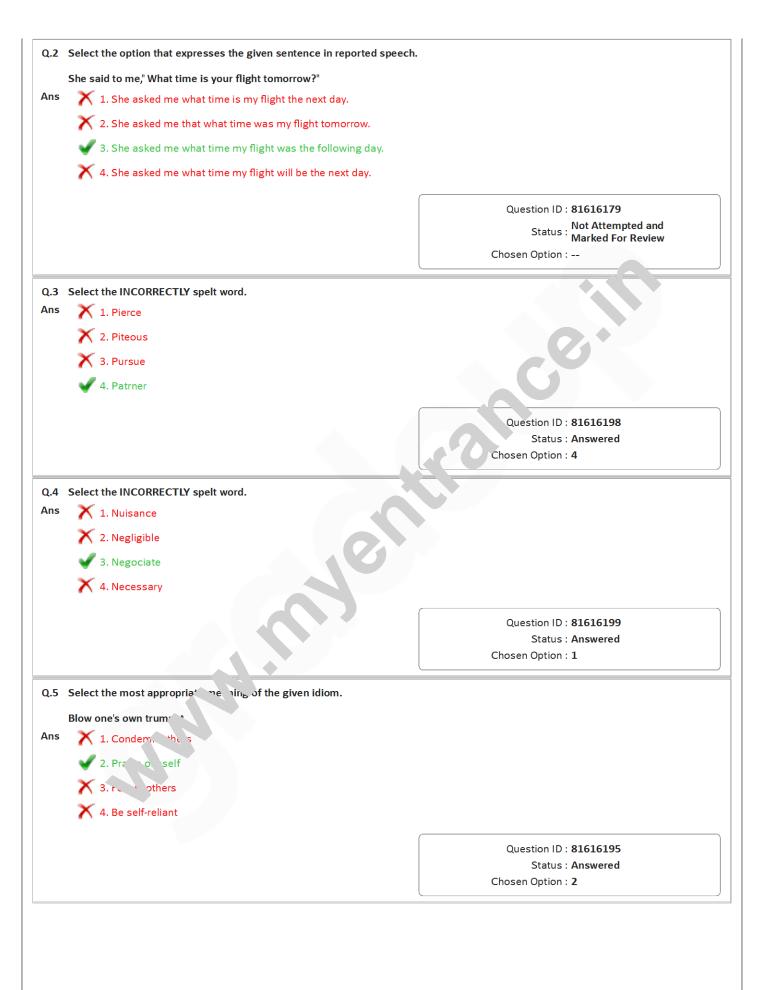
My shoes were worn out so I i. 'a uy a new one.

Δns

- X 1. a new ones
- X 2. No improver
- X 3, the neverness
- 4, new 10.

Question ID : **81616181** 

Status : Answered

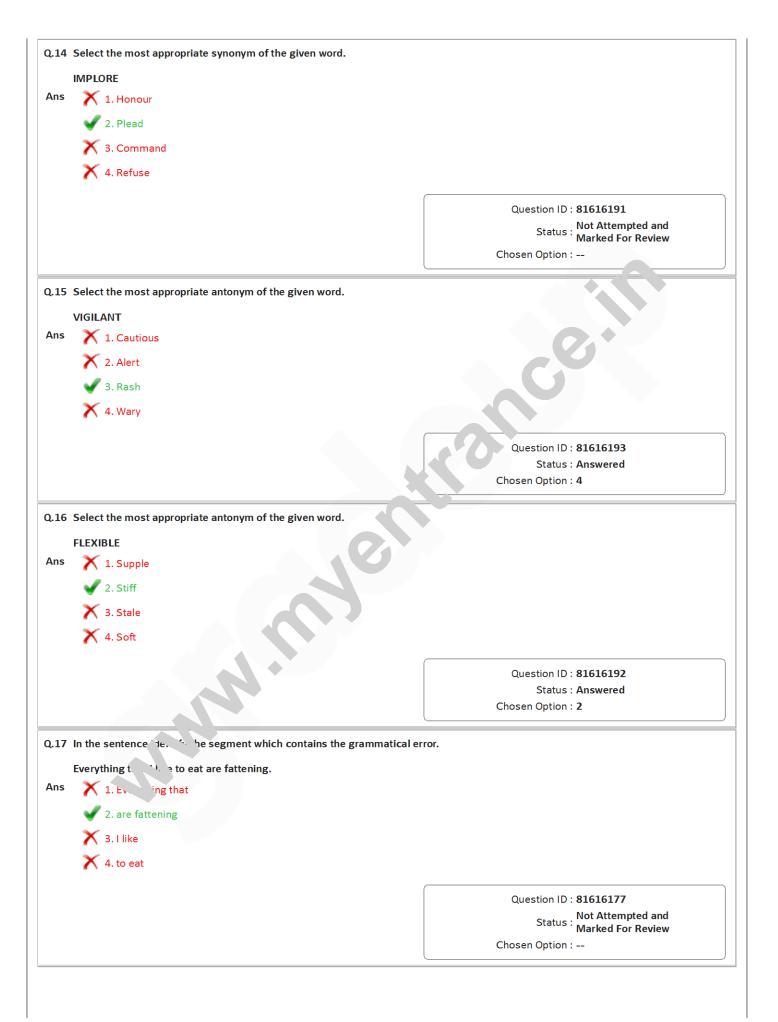


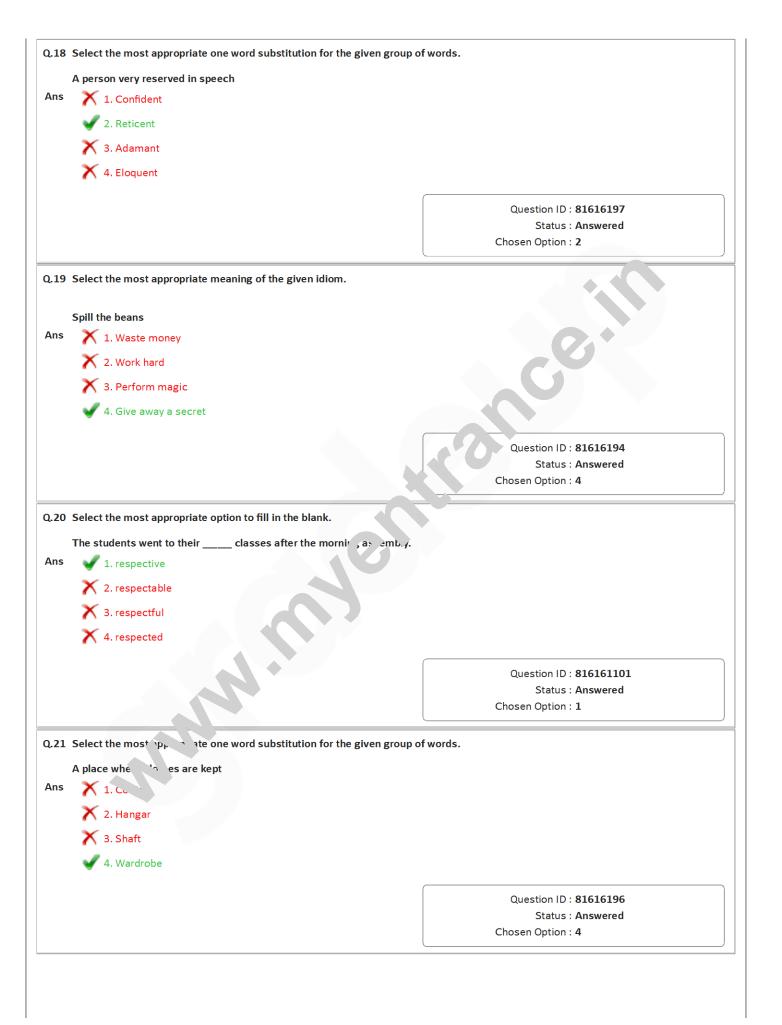
Q.6	In the sentence identify the segment which contains the grammatical error.					
_	Deepa walked down the road slowly without looking anybody.					
Ans	X 1. down the road					
	🗙 2. Deepa walked					
	3. looking anybody					
	X 4. slowly without					
		Question ID : <b>81616176</b> Status : <b>Answered</b>				
		Chosen Option : 3				
		·				
	Comprehension: In the following passage, some words have been deleted. Select the most to fill each blank.  Watermelon is thought to have originated in Africa's Kalahari Desert. Belie the first recorded watermelon harvest (2) nearly 5000 years ago in [3] in Egyptian hieroglyphics on the walls of their (4) building:	eve it (1) not,				
	often placed (5) the burial tombs of kings to provide nourishment in	n the afterlife.				
	SubQuestion No: 7					
	Select the most appropriate option to fill in blank 1.					
Ans	1. and					
	X 2. but	4.0				
	X 3, if					
	<b>✓</b> 4. or					
		Question ID: 81616183 Status: Answered Chosen Option: 4				
	Comprehension:					
	In the following passage, some words however, leleted. Select the most to fill each blank.  Watermelon is thought to have right atea of Africa's Kalahari Desert. Belief the first recorded watermelon however, leave to meanly 5000 years ago in [3] in Egyptian hieros, leave to on the walls of their (4) buildings often placed (5) the lurian combs of kings to provide nourishment in	eve it (1) not, Egypt and is s. This fruit was				
	SubQuestion No : 2					
Q.8	Select the most prop. te option to fill in blank 2.					
Ans	1. con 1.					
	1. con 1.  2. produ zd					
	√ 3. occurred					
	X 4. discovered					
		Question ID : <b>81616184</b>				
		Status : Answered				
		Chosen Option : 3				

# Comprehension: In the following passage, some words have been deleted. Select the most appropriate option to fill each blank. Watermelon is thought to have originated in Africa's Kalahari Desert. Believe it (1)\_ the first recorded watermelon harvest (2)\_\_\_\_\_ nearly 5000 years ago in Egypt and is \_ in Egyptian hieroglyphics on the walls of their (4)\_\_\_\_\_ buildings. This fruit was often placed (5)\_\_\_\_\_ the burial tombs of kings to provide nourishment in the afterlife. SubQuestion No: 9 Q.9 Select the most appropriate option to fill in blank 3. 1. directed 2. distributed 3. depicted Question ID: 816161& Stat ... sw ed Chosen Opti . 3 Comprehension: In the following passage, some words have been deleted. Select the most appropriate to fill each blank. Watermelon is thought to have originated in Africa's Kalahari Desert. Believe it (1) the first recorded watermelon harvest (2)\_\_\_\_\_ nearly 5000 years ago in Egv , and \_ in Egyptian hieroglyphics on the walls of their (4)\_\_\_\_\_ build best. . . is fruit was often placed (5) the burial tombs of kings to provide nourishmer the arlife. SubQuestion No: 10 Q.10 Select the most appropriate option to fill in blank 4. Ans Question ID: 81616186 Status: Answered Chosen Option: 2



# Comprehension: In the following passage, some words have been deleted. Select the most appropriate option to fill each blank. Watermelon is thought to have originated in Africa's Kalahari Desert. Believe it (1)\_ the first recorded watermelon harvest (2)\_\_\_\_\_ nearly 5000 years ago in Egypt and is \_ in Egyptian hieroglyphics on the walls of their (4)\_\_\_\_\_ buildings. This fruit was often placed (5)\_\_\_\_\_ the burial tombs of kings to provide nourishment in the afterlife. SubQuestion No: 11 Q.11 Select the most appropriate option to fill in blank 5. Question ID: 816161& Stat ... sw ed Chosen Opti . 3 Q.12 Select the option that expresses the given sentence in passive voice. Martin drew a picture of the snow-capped mountains. X 1. A picture of the snow-capped mountains is being drawn by Martin. \chi 2. A picture of the snow-capped mountains is drawn by Martin. 3. A picture of the snow-capped mountains was drawn by Marti X 4. A picture of the snow-capped mountains has been draw( by artin. Question ID: 81616178 Status: Answered Chosen Option: 3 Q.13 Select the most appropriate option to sub te ti. and ained segment in the given sentence. If there is no need to substitute it, sentence. If there is no need to substitute it, sentence. He sing always when he is having a shower. 1. He always sing 2. Always he is sin in 3. He always s. Question ID: 81616180 Status: Answered Chosen Option: 3





Q.22 Select the most appropriate synonym of the given word. **GLORIOUS** Ans \chi 1. gentle 2. unusual 3. enormous

> Question ID: 81616190 Status: Answered Chosen Option: 4

Q.23 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

- A. He then called out to the people but by then only a red glow was visible in the sky.
- B. At first, he thought it was a stuck kite.
- C. Bheema was visiting his fields when he spotted a rising disc shaped object.
- D. But when it started rising higher and emitted light, he was shocked.

Ans

1. CBDA

2. BDAC

X 4. CDAB

Question ID: 81616188 Status: Answered Chosen Option :  ${f 1}$ 

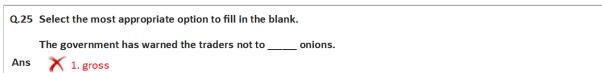
Q.24 Given below are four jumbled sentences. Out of the given viol pick the one that gives their correct order.

- A. It requires physical endurance, which can be built a raining and exercise.
- B. Truly strong personalities meet challenge on brave and face hardships with equanimity.
- C. However, strength of character is a particle of trait or a quality.
- D. Physical strength is the ability to cope . h a physically challenging task.

Ans

Question ID: 81616189

Not Attempted and Status : Marked For Review



2. hoard

X 3. combine

X 4. bulk

Question ID: 816161100 Status : Answered

