Section: General Intelligence and Reasoning

Q.1 In the following Venn diagram, the 'Circle' stands for 'Lawyers', the 'Hexagon' stands for 'Females' and the 'Rectangle' stands for 'Food-lovers'. The given numbers represent the number of persons in that particular category. How many females are both food-lovers and lawyers?



Ans

V 1.

X 2. 27

X 3. 19

Question ID : **8161616345** Status : **Answered**

Chosen Option : 1

Q.2 In a code language, if 'I like chocolates' is written as '958', 'we bought chocolates' is written as '153', and 'we like them' is written as '816', then how would 'I bought them' be written in this language?

Ans

1. 936

X 2. 251

X 3. 951

X 4. 859

Question ID : **8161616306** Status : **Answered** Chosen Option : **1**

Q.3 Which two numbers should be interchanged to make the given equation correct?

 $36 \times 12 + 48 \div 6 - 18 = 202$

Ans

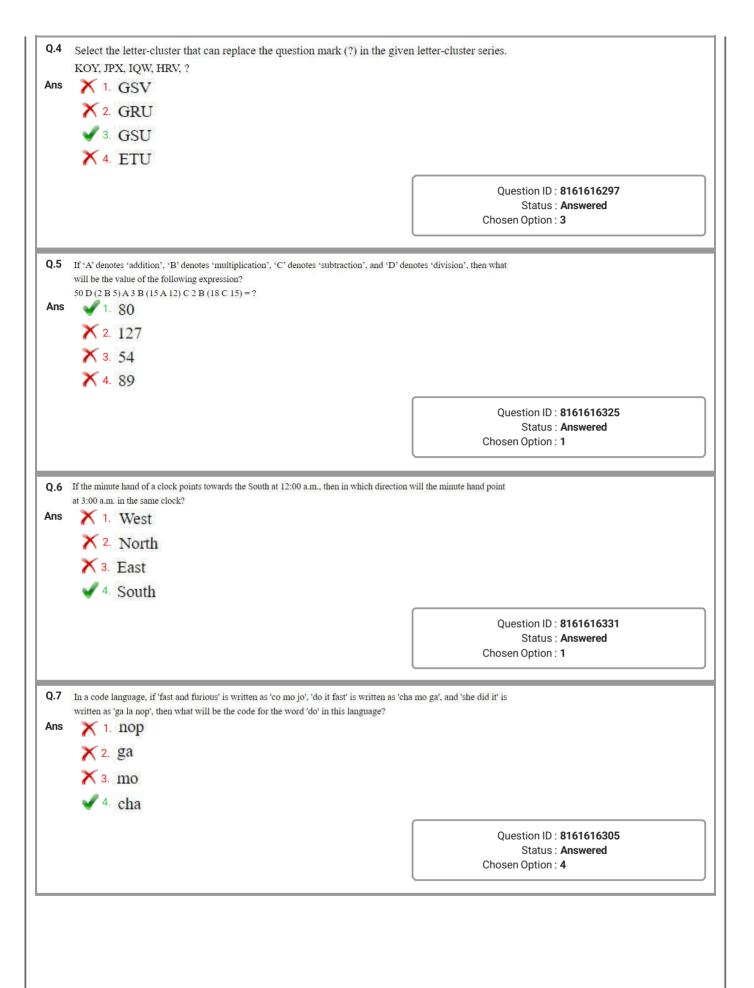
✓ 1. 6 and 12

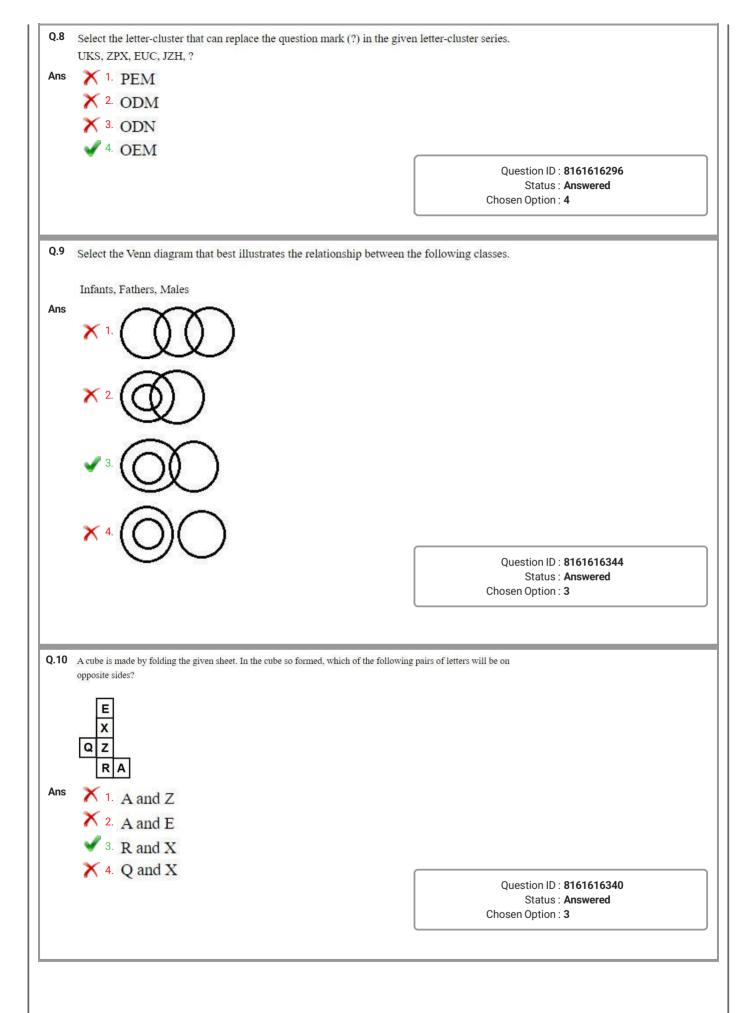
X 2. 36 and 48

X 3. 6 and 18

X 4. 36 and 18

Question ID : 8161616324 Status : Answered





Q.11 Select the correct combination of mathematical signs that can sequentially replace the * signs from left to right to balance the following equation.

15 * 5 * 24 * 140 * 7 * 71

Ans

- X 1. X, -, ÷, +, =
 - **√** 2. **×**, −, +,÷, =
 - **X** 3. **X**,÷,+,−,=
 - **X** 4. ÷, +, −, ×, =

Question ID : **8161616326** Status : **Answered**

Chosen Option: 2

Q.12 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown below.

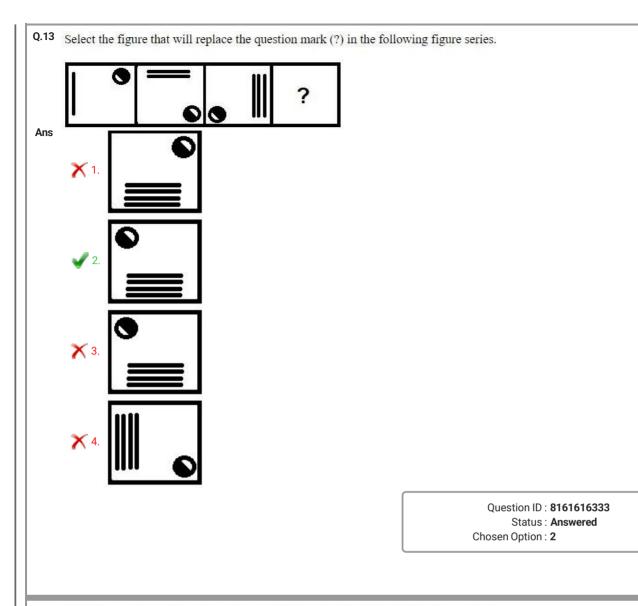
SFQ8PG

Ans

- SFQ8berX
 - SF G 8 P G 2X
 - SEQ8PGEX
 - SFQ8PG.4V

Question ID : 8161616342

Status : Answered



Q.14 Which number will replace the question mark (?) in the following series?

160, 183, 213, 252, 303, ?, 446

Ans

X 1. 333

y 2. 367

X 3. 361

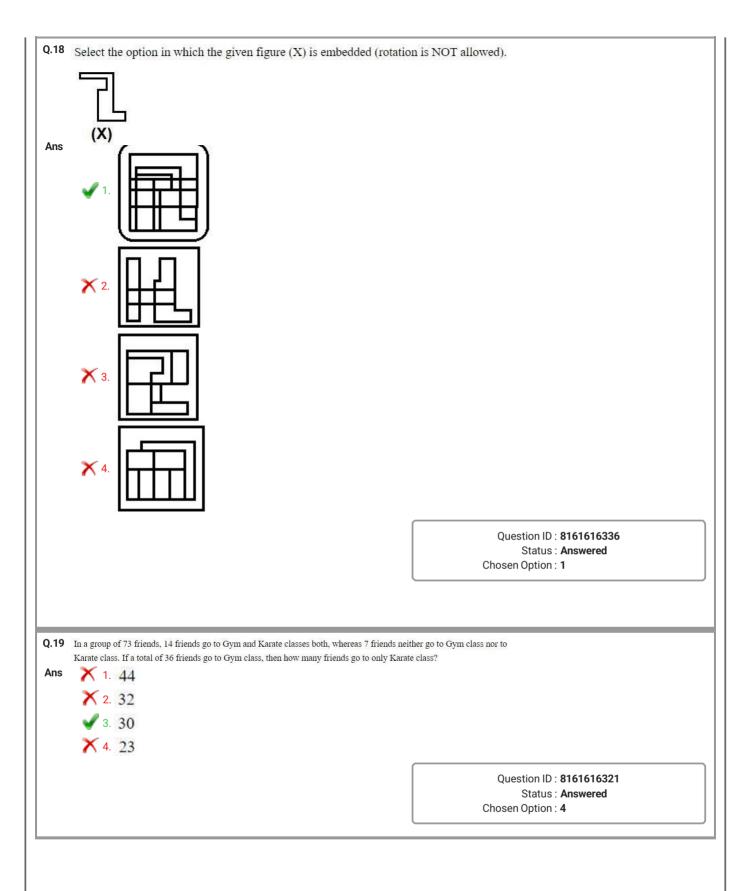
X 4. 379

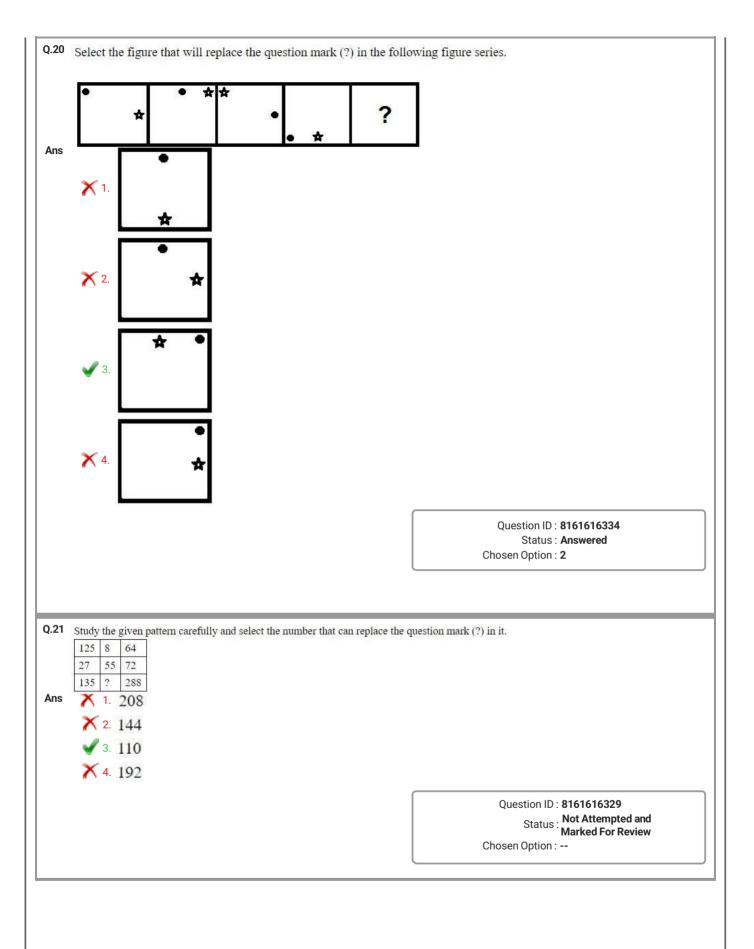
Question ID: 8161616319

Status : Not Attempted and Marked For Review

Q.15 Select the option that represents the correct order of the given words as they would appear in an English dictionary. 1. Pristine 2. Precious 3. Pressure 4. Presume 5. Precaution Ans X 1. 1, 2, 3, 4, 5 \checkmark 2. 5, 2, 3, 4, 1 X 3. 5, 2, 4, 3, 1 X 4. 5, 3, 2, 4, 1 Question ID: 8161616299 Status: Answered Chosen Option: 2 Q.16 Which number will replace the question mark (?) in the following series? 65, 62, 56, 47, 35, ? Ans X 1. 25 X 2. 21 **3**. 20 X 4. 11 Question ID: 8161616316 Status: Answered Chosen Option: 3 Q.17 Eight friends A, B, C, D, E, F, G and H are sitting in a straight line, all facing the North. F is sitting between D and G. B is sitting between H and A. E is third to the left of G, who is sitting at one of the corners. H is third to the left of C. Who is sitting between A and E? Ans X 1. B X 2. G X 3. H **√** 4. C

Question ID: 8161616311 Status: Answered Chosen Option: 4





Q.22 Two statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

No tree is a plum.

All pomegranates are trees.

Conclusions:

- I. No pomegranate is a plum.
- II. No plum is a tree.
- III. Some trees are pomegranates.

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 of the conclusions follow

Question ID : **8161616315** Status : **Answered** Chosen Option : **4**

Q.23 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

VOWEL: ZPAFP:: FRICK:?

Ans

- X 1 JVGOK
- X 2. JVMGO
- √ 3. JVJGO
- X 4. OGMVH

Question ID : **8161616304** Status : **Marked For Review**

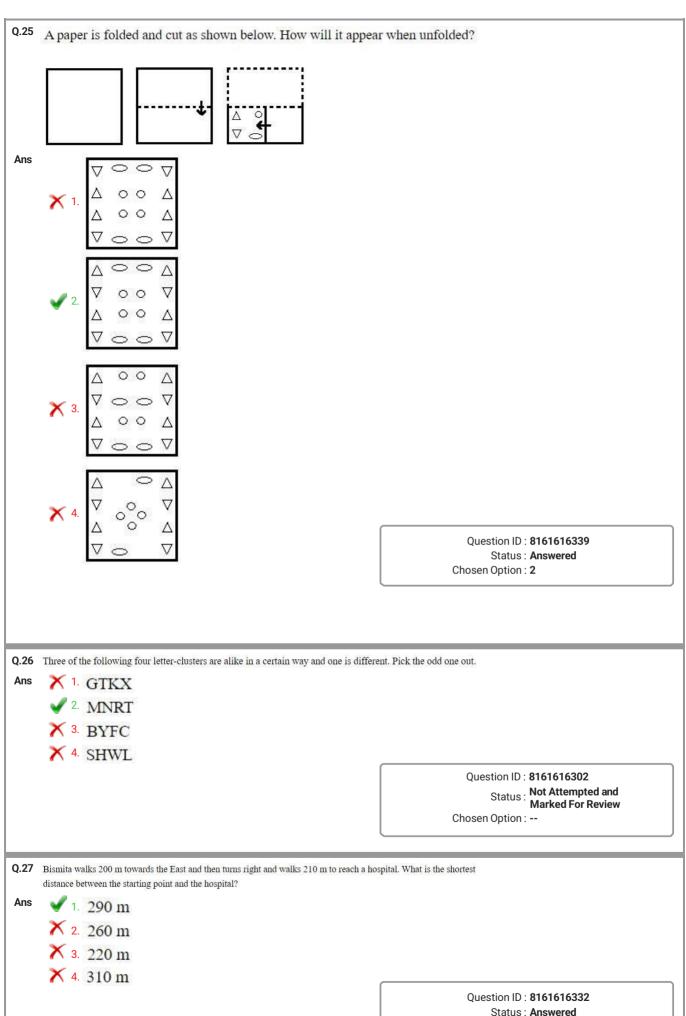
Chosen Option: 3

Q.24 Preeti is the only sister of Virat. Manoj is the son of Dileep, who is the husband of Maaya. Virat is the son of Devansh. Devansh is Manoj's father-in-law. How is Maaya related to Preeti?

Ans

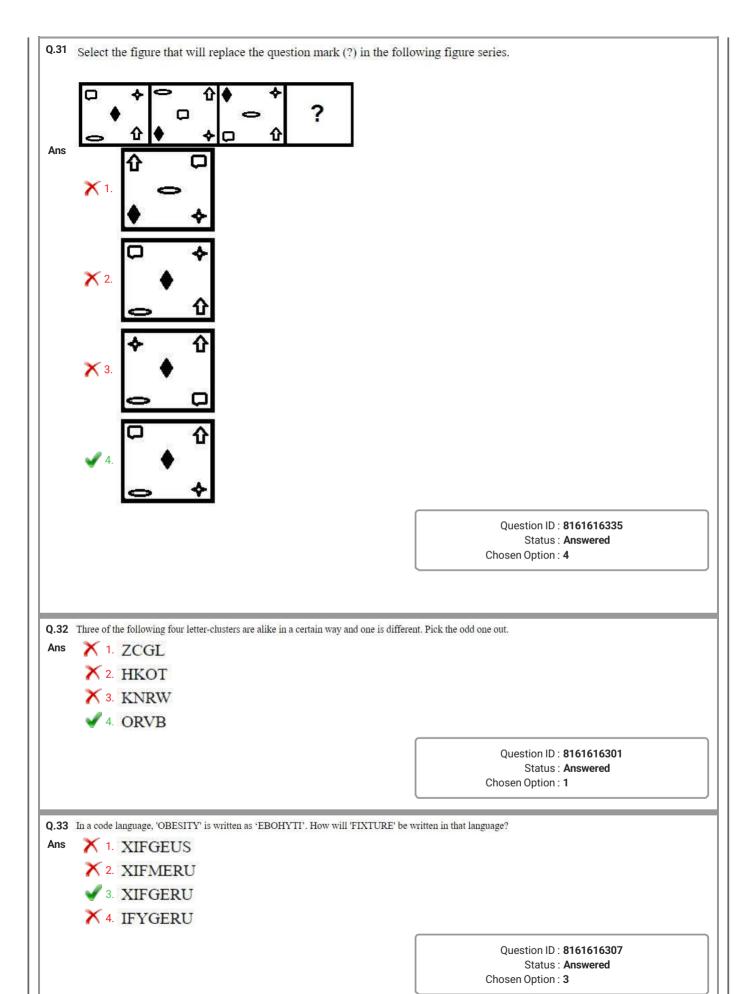
- √ 1. Mother-in-law
- × 2. Sister-in-law
- X 3. Daughter-in-law
- X 4. Mother

Question ID : 8161616312 Status : Answered



Status: Answered Chosen Option: 1

Q.28 Select the option figure which is embedded in the figure (X) given below (rotation is NOT allowed). Ans **X** 2. **×** 3. ☐ Question ID: 8161616337 Status: Answered Chosen Option: 1 Q.29 What was the day of the week on 14th March 2010? X 1. Tuesday 2. Sunday X 3. Saturday X 4. Monday Question ID: 8161616322 Status: Not Answered Chosen Option: --Q.30 Which number will replace the question mark (?) in the following series? 24, 25, 33, 60, ?, 249 X 1. 147 Ans **√** 2. 124 X 3. 133 X 4. 121 Question ID: 8161616317 Status: Answered Chosen Option: 2



Q.34 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown below.

mfghpkaz

mtahpkazıX

mfg p p k a z 2X

mfghpkaz 🛚 🕒

wfghqkaz.xX

Question ID: 8161616343 Status: Answered Chosen Option: 3

Q.35 Select the letter-cluster that can replace the question mark (?) in the given letter-cluster series.

THC, DIU, VJE, FKW, XLG, ?

Ans X 1. GMX

X 2. FKX

√ 3. HMY

X 4. HNZ

Question ID: 8161616298 Status: Answered

Chosen Option: 3

Q.36 In a code language, 'BLOCK' is written as '31316412'. How will 'SUPREME' be written in that language?

X 1. 192116185605

X 2. 202317206146

X 3. 192217196156

4. 202217196146

Question ID: 8161616309 Status: Answered Chosen Option: 4

- Q.37 Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.
 - 1. Kilogram
 - 2. Gram
 - 3. Quintal
 - 4. Decigram

5. Milligram

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

× 2. 4, 5, 2, 1, 3

✓ 3. 5, 4, 2, 1, 3

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

Question ID: 8161616300 Status: Answered

Q.38 Which number will replace the question mark (?) in the following series? 3, 12, 52, 159, 640, ? Ans **1**. 1923 X 2. 1910 X 3. 1731 X 4. 1863 Question ID: 8161616318 Status : Not Attempted and Marked For Review Chosen Option: --Q.39 जब एक संख्या को इसकी अगली संख्या में और एक ऐसी अन्य संख्या में जोड़ा जाता है, जो इसकी अगली संख्या से चार गुना अधिक है, तो इन तीनों संख्याओं का योग 95 होता है। वह संख्या जात करें। Ans X 1. 17 **2**. 15 X 3. 16 X 4. 14 Question ID: 8161616320 Status: Answered Chosen Option: 2 Q.40 Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements. Statements: All farmers are doctors. All doctors are magicians. Conclusions: I. All farmers are magicians. II. No farmer is a magician.

BOIN THE CONCIUSIONS IOIIOW Ans 2. Only conclusion I follows X 3. Only conclusion II follows X 4. Either conclusion I or II follows Question ID: 8161616314 Status: Answered Chosen Option: 2 Q.41 Study the given pattern carefully and select the number that can replace the question mark (?) in it. 14 26 182 24 16 192 22 187 Ans X 3. 30 **4**. 17 Question ID: 8161616328 Status : Not Attempted and **Marked For Review** Chosen Option: --

Q.42 Six friends P, Q, R, S, T and U are sitting around a circular table, facing the centre of the table. P is second to right of S. Q is sitting to the immediate left of T. P is sitting between R and U. S is sitting to the immediate left of R. Who is sitting between P and S?

Ans

X 1. U

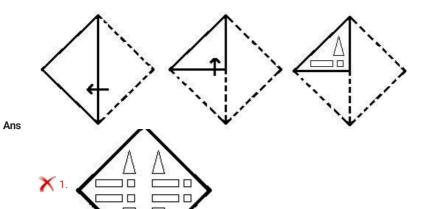
√ 2. **R**

X 3. **T**

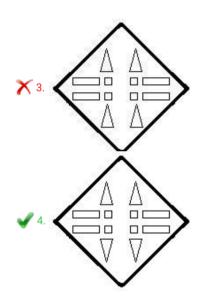
X 4. Q

Question ID: 8161616310 Status: Answered

Q.43 A paper is folded and cut as shown below. How will it appear when unfolded?



X 2.



Question ID : **8161616338** Status : **Answered** Chosen Option : **4**

Q.44 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

BEST: WVHE:: CROP:?

Ans

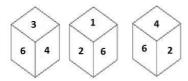
1. SRVG

× 2. RTUF

✓ 3. SRUF

X 4. PRUM

Question ID : **8161616303** Status : **Answered** Chosen Option : **3** Q.45 Three different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the face showing '1'.



Ans

3. **4**

X 4. 3

Question ID: 8161616341 Status: Answered

Chosen Option: 3

Q.46 In a code language, 'PLUM' is written as 'KQOMFVNN'. How will 'BIG' be written in that language?

X 1. YCRKTM

√ 2. YCRJTH

X 3. CYRJGT

X 4 XCSJTH

Question ID: 8161616308

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.47 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

5	17	41	?
	15	24	29
	49	106	85

Ans

X 1. 24

× 2. 37

√ 3. 28

Question ID: 8161616327

Status: Not Attempted and

Marked For Review

Q.48 'A # B' means 'A is the husband of B'.

'A @ B' means 'A is the sister of B'.

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

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

If S # Z @ R % K # J & T # N, then which of the following statements is NOT correct?

Ans

X 1. K is the father-in-law of N.

X 2. R and T are brothers.

X 3. Z is the sister of T.

✓ 4. J is the mother of S.

Question ID : **8161616313**Status : **Answered**Chosen Option : **4**

Q.49 Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.

Ans

X 1 12:666

X 2. 20:980

X 3. 11: 344

4. 18:972

Question ID : **8161616323** Status : **Marked For Review**

Chosen Option: 4

Q.50 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

17	18 19	
21	22	?
396	437	520

Ans

X 1. 28

X 2. 30

3. 25

X 4. 27

Question ID: 8161616330 Status: Not Answered

Chosen Option: --

Section: General Knowledge and General Awareness

Q.1 Which of the following Viceroys appointed the Hunter Commission in 1882?

Ans

X 1. Lord Mayo

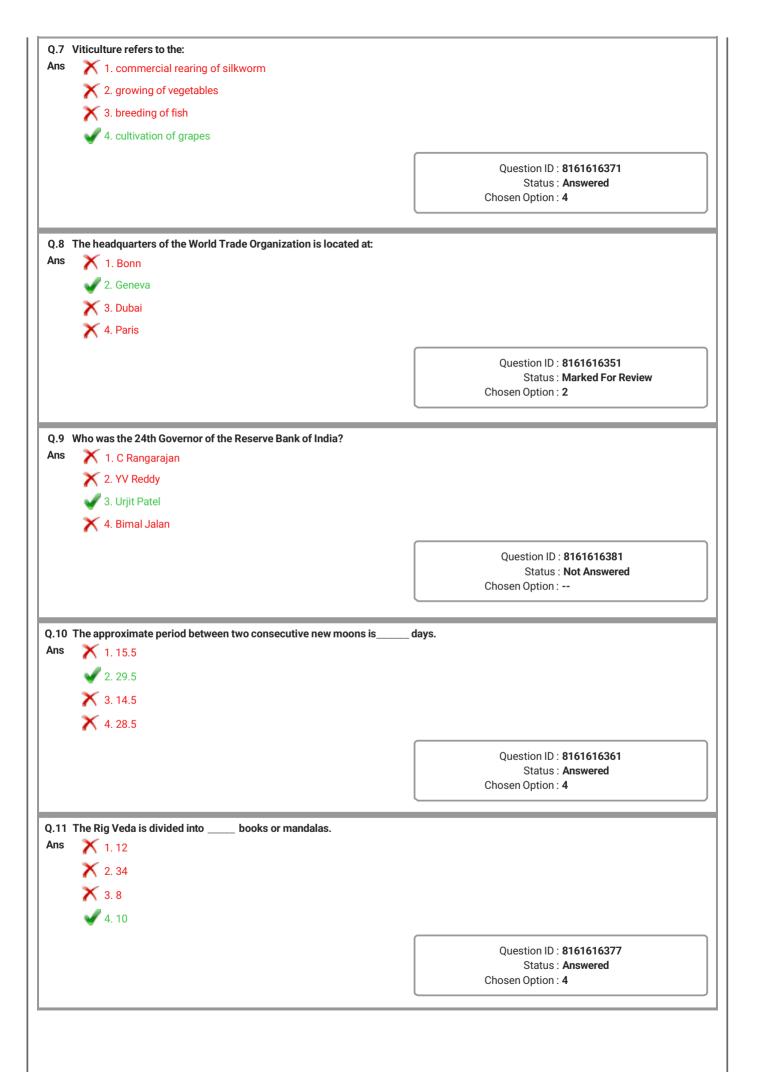
2. Lord Ripon

X 3. Lord Lytton

X 4. Lord Minto

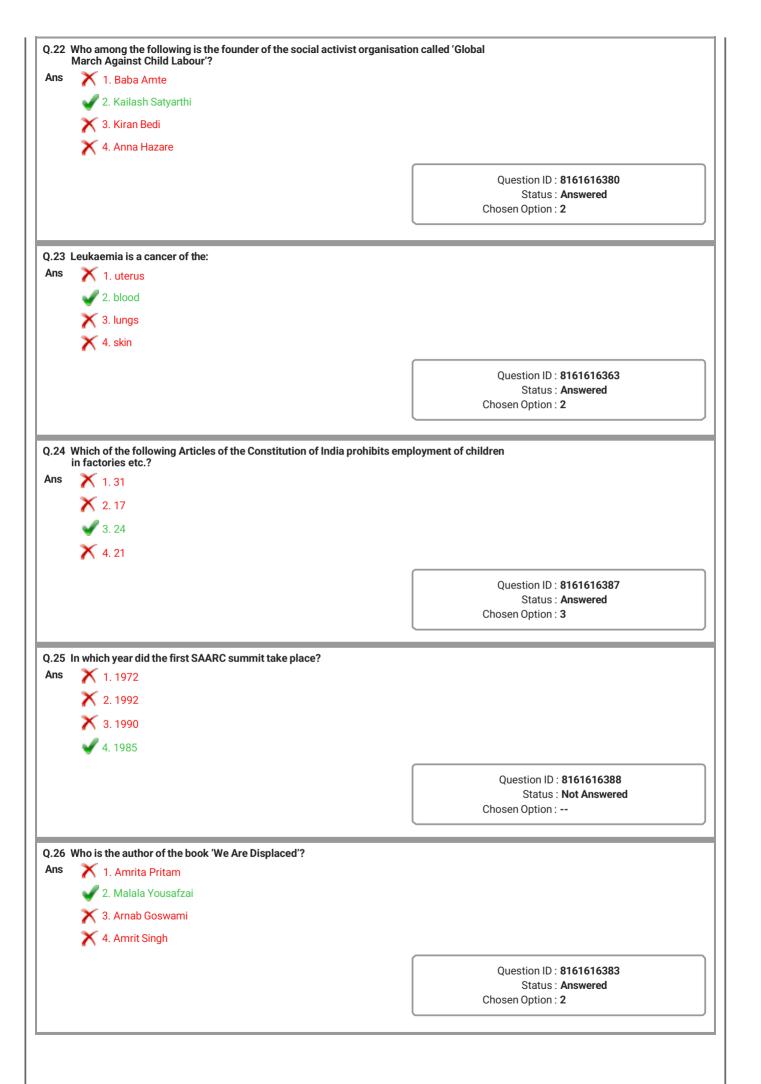
Question ID : 8161616376 Status : Not Answered

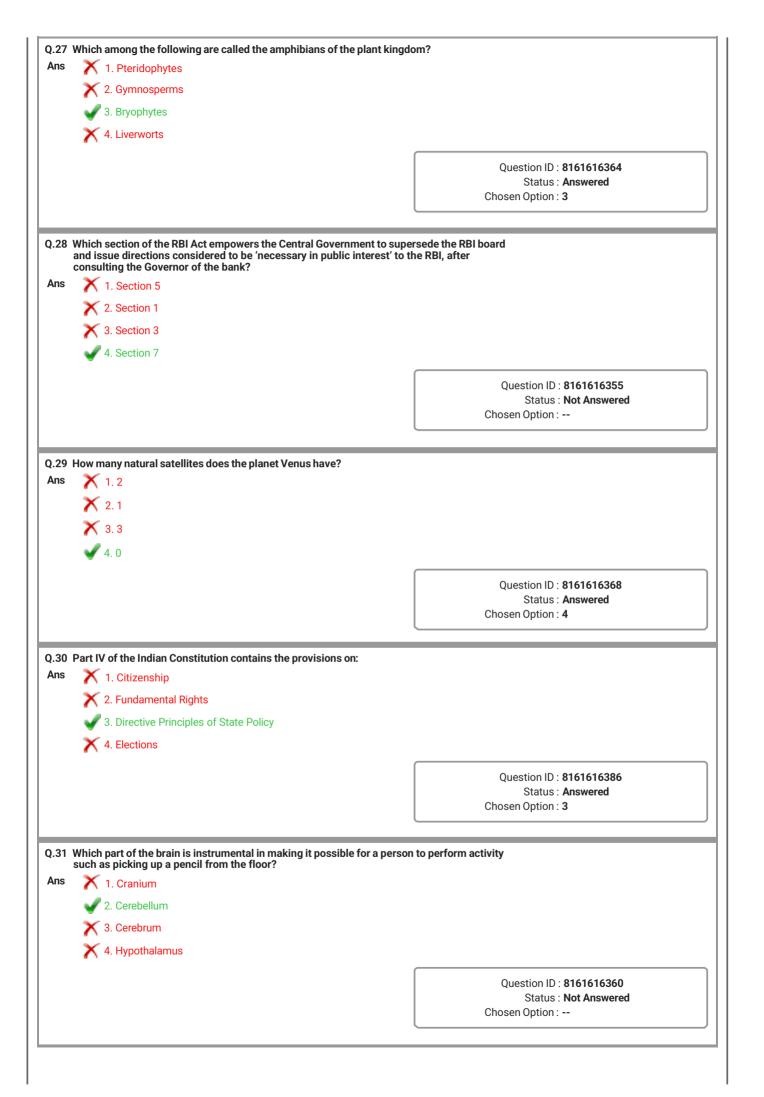
Q.2	The 'Kathasaritsagara' is written by:		
Ans	X 1. Kalidasa		
	X 2. Bhasa		
	X 3. Jayadeva		
	✓ 4. Somadeva		
		Question ID : 8161616378	
		Status : Answered Chosen Option : 1	
		Since of the second special second special second s	
0.2	Danieladach was a wast of Politotan from		
Q.3 Ans	Bangladesh was a part of Pakistan from to 1. 1947; 1989		
7			
	2. 1947; 1962		
	√ 3. 1947; 1971		
	X 4. 1947; 1958		
		Ouestion ID : 8161616389	
		Status : Answered	
		Chosen Option : 3	
Q.4	Which of the following persons won the Sultan Padamsee Playwriting A	ward for his first	
Ans	play 'Larins Sahib'? 1. Ramchandra Guha		
	2. Gurcharan Das		
	· ·		
	3. Amitav Ghosh		
	X 4. Shashi Tharoor		
		Question ID : 8161616385	
		Status : Not Answered	
		Chosen Option:	
	The Silent Valley Movement was started in 1973 in the state of:		
Ans	X 1. Odisha		
	✓ 2. Kerala		
	X 3. Andhra Pradesh		
	X 4. Himachal Pradesh		
		Question ID : 8161616367	
		Status : Not Answered	
		Chosen Option :	
Q.6	Which among the following organisations releases Index of Economic Fr	eedom?	
Ans	√ 1. Heritage Foundation		
	× 2. Fraser Institute		
	X 3. International Monetary Fund		
	X 4. World Bank		
		Question ID : 8161616354	
		Status : Answered Chosen Option : 4	



Q.12 Which among the following is NOT true about a solution and the solute concerned? Ans 1. The particles of the solute settle down at the bottom when the solution is kept undisturbed. 2. The particles of the solute do not scatter a beam of light. X 3. The particles of the solute cannot be seen with unaided eyes. 4. A solution is a homogeneous mixture. Question ID: 8161616358 Status: Answered Chosen Option: 4 Q.13 The tomb of Itimad-ud-Daulah, inlaid with Pietra dura decoration, is located at: X 1. Ajmer \chi 2. Aurangabad 3. Agra X 4. Alwar Question ID: 8161616348 Status: Answered Chosen Option: 3 Q.14 In the context of Sri Lankan Civil War, what does the first 'T' in LTTE stand for? X 1. Tamil 2. Tarantulas 3. Tigers 💢 4. Triumph Question ID: 8161616390 Status: Not Answered Chosen Option: --Q.15 According to the Groundnut Crop Survey Report 2018, which of the following states is the largest producer of groundnuts? Ans X 1. Haryana 2. Gujarat 3. Bihar X 4. West Bengal Ouestion ID: 8161616369 Status: Answered Chosen Option: 2 Q.16 The National Anthem of India, 'Jana Gana Mana' was first sung at the___ **Indian National Congress.** Ans 1. Calcutta 2. Lahore 🗶 3. Belgaum X 4. Tripuri Question ID: 8161616379 Status: Answered Chosen Option: 2

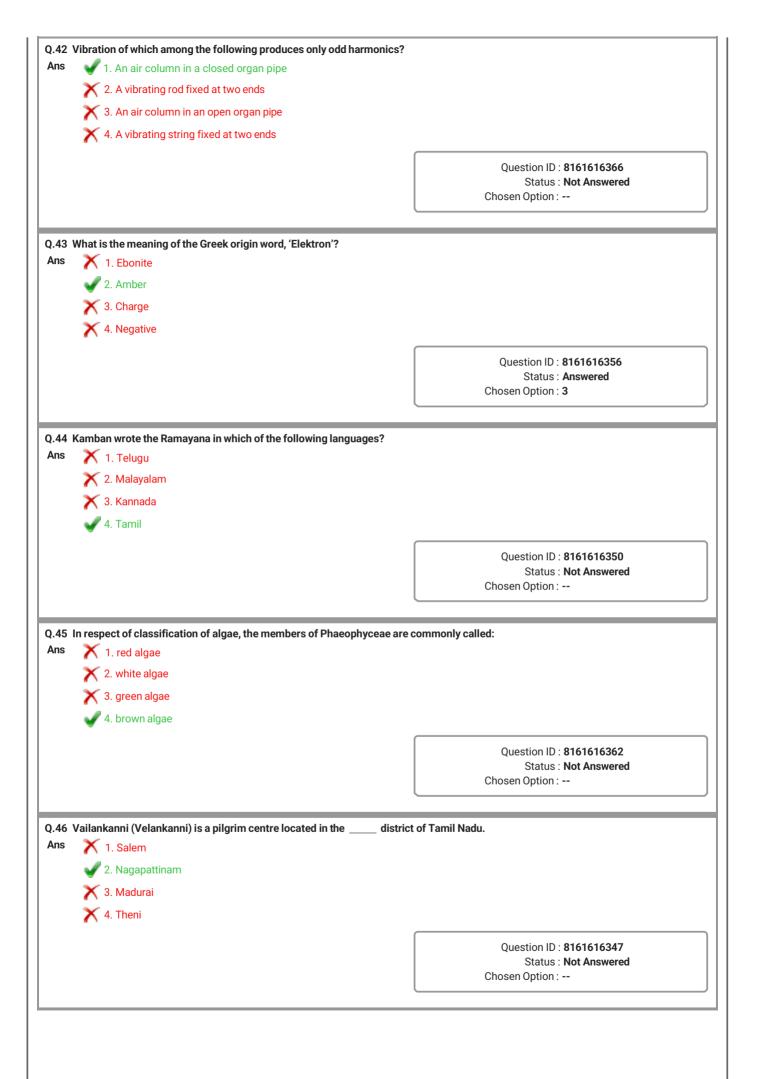
Q.17 Rajiv Gandhi Khel Ratna Award is accorded annually by the: Ans X 1. Ministry of Human Resource Development, Govt. of India 2. Indian National Congress 💢 3. Rajiv Gandhi Memorial Trust 4. Ministry of Youth Affairs and Sports, Govt. of India Question ID: 8161616382 Status: Answered Chosen Option: 1 Q.18 The Goods and Services Tax (GST) - which has replaced the Central and State indirect taxes such as VAT, excise duty and service tax in India – was implemented on: Ans X 1. 2 October 2017 2. 15 September 2017 3. 15 August 2017 4. 1 July 2017 Question ID: 8161616352 Status: Answered Chosen Option: 4 Q.19 The Tata Iron and Steel Company (TISCO) is located at which of the following places? 2. Jamshedpur 3. Durgapur 🗶 4. Rourkela Question ID: 8161616370 Status: Answered Chosen Option: 2 Q.20 The princely state of Hyderabad was brought under the Indian Union in the year_ Ans 1. 1948 2. 1950 **X** 3. 1952 Question ID: 8161616391 Status: Answered Chosen Option: 1 Q.21 Who among the following did NOT belong to the Rajput kingdom of Marwar? Ans \chi 1. Rao Chanda 2. Rao Jodha 3. Rana Kumbha 💢 4. Maldeva Question ID: 8161616375 Status: Answered Chosen Option: 4

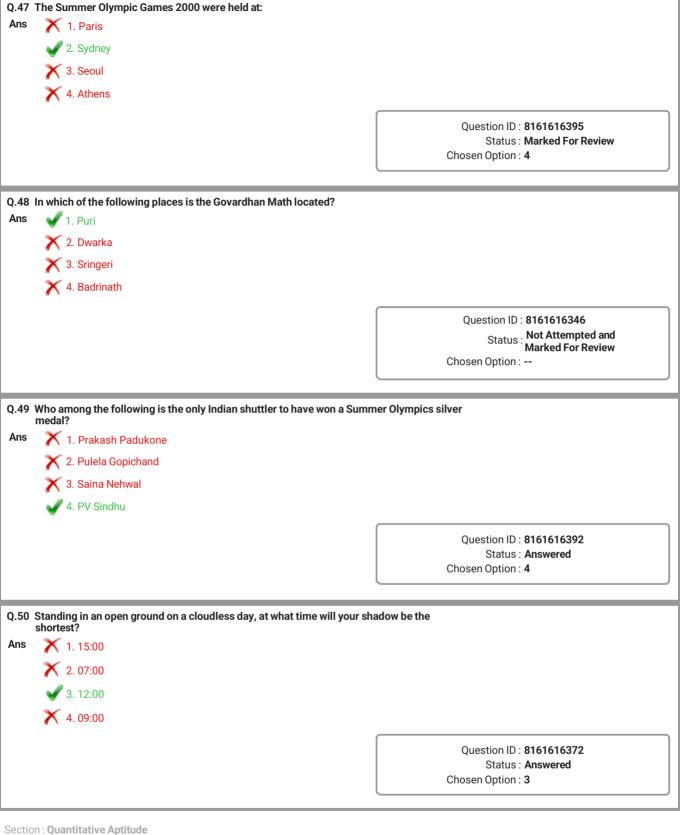




Q.32	Bathukamma' and 'Bonalu' are state festivals of:		
Ans			
	× 2. Kerala		
	X 3. Tamil Nadu		
	✓ 4. Telangana		
	4. Telangana		
		Question ID : 8161616349	
		Status : Not Answered	
		Chosen Option:	
	Kalinjar Fort, which was strategically important during medieval times, i	s located in:	
Ans	s 🔀 1. Rajasthan		
	× 2. Sind		
	X 3. Punjab		
	√ 4. Uttar Pradesh		
		Question ID : 8161616374	
		Status : Not Attempted and Marked For Review	
		Chosen Option :	
Q.34	With reference to the United Nations' Sustainable Development Goals, w	hich of the	
Ans	following is SDG 10? 1. Reduced inequalities		
Allo			
	2. Zero hunger		
	X 3. Climate action		
	X 4. Decent work and economic growth		
		Question ID : 8161616353	
		Status : Not Answered	
		Chosen Option :	
Q.35	1 horse power is equal to approximately watts.		
Ans	X 1. 500		
	2 . 750		
	X 3. 1000		
	× 4. 250		
	4. 250		
		Question ID: 8161616357	
		Status : Answered	
		Chosen Option : 2	
	With which sport would you associate the name Sathish Sivalingam?		
Ans	X 1. Wrestling		
	2. Weightlifting		
	X 3. Boxing		
	X 4. Hockey		
		Question ID : 8161616393	
		Status : Not Answered Chosen Option :	
		·	

Q.37	Q.37 Which of the following persons was the recipient of the inaugural Infosys Prize for Social		
Ans	Sciences – History, 2009? 1. Amlan Datta		
	2. Upinder Singh		
	3. Krishna Kumar		
	× 4. Hari Vasudevan		
	4. Hall vasadevall		
		Question ID : 8161616384	
		Status : Not Answered Chosen Option :	
0.38	Which of the following terms is associated with the anatomy of t	he human heart?	
Ans	X 1. Cerebrum		
	× 2. Cerebellum		
	X 3. Medulla		
	✓ 4. Aorta		
	•		
		Question ID : 8161616365 Status : Answered	
		Chosen Option : 4	
Q.39	The 90 degree East Meridian does NOT pass through:		
Ans	1. Bangladesh		
	✓ 2. Sikkim		
	X 3. Bhutan		
	× 4. Meghalaya		
		0 11 15 011111070	
		Question ID : 8161616373	
		Status : Not Attempted and Marked For Review Chosen Option :	
		Chosen Option	
0.40	What is the arrival or of hadroner shows in a male sule of calcium	hisankan and a	
Q.40 Ans	What is the number of hydrogen atoms in a molecule of calcium 1. 4	bicarbonate?	
	★ 2.0		
	X 3.1		
	✓ 4. 2		
	4.2		
		Question ID : 8161616359	
		Status : Answered Chosen Option : 2	
		onosch option. 2	
0.41	Who was the coach of the Indian men's football team at the Inter	continental Cup, 2019?	
Ans	X 1. Stephen Constantine		
	× 2. Baichung Bhutia		
	✓ 3. Igor Stimac		
	X 4. Prasanta Banerjee		
	* A double Salie jos		
		Question ID : 8161616394	
		Status : Not Answered Chosen Option :	





Let \triangle ABC \sim \triangle RPQ and $\frac{\text{ar }(\triangle ABC)}{\text{ar }(\triangle PQR)} = \frac{4}{9}$. If AB = 3 cm, BC = 4 cm and AC = 5 cm, then RP (in cm) is equal to:

Ans

- 1. 4.5
- X 2. 12
- X 3. 5
- X 4. 6

Question ID: 8161616431 Status: Answered Chosen Option: 1

A person's salary has increased from ₹7,000 to ₹12,000. What is the percentage increase in his salary?

- \times 1. $61\frac{1}{7}\%$
- \times 2. $76\frac{4}{7}\%$
- \times 3. $69\frac{1}{7}\%$
- $\sqrt{4.71\frac{3}{7}}\%$

Question ID: 8161616405 Status: Answered Chosen Option: 4

A and B can do a piece of work in 25 days. B alone can do $66\frac{2}{3}\%$ of the same work in 30 days. In how many days can A alone do $\frac{4}{15}$ part of the same work?

Ans

- X 1. 12
- X 2. 18
- X 3. 20
- **4**. 15

Question ID: 8161616417 Status: Answered Chosen Option: 4

Q.4 If $x^2 + 8y^2 + 12y - 4xy + 9 = 0$, then the value of (7x + 8y) is:

- Ans X 1. 9
 - **√** 2. −33
 - **X** 3. −9
 - **X** 4. 33

Question ID: 8161616427

Status : Not Attempted and Marked For Review

The two parallel sides of a trapezium are 17 cm and 15 cm, respectively. If the height of the trapezium is 6 cm, then its area (in m²) is:

Ans

X 1. 0.96

2 0.0096

X 3. 9.6

X 4. 960

Question ID: 8161616422 Status: Answered Chosen Option: 2

Q.6

If $x^2 - 3x + 1 = 0$, then the value of $\left(x^4 + \frac{1}{x^2}\right) \div \left(x^2 + 1\right)$ is:

Ans 💢 1. 9

X 2. 5

X 4. 7

Question ID: 8161616426 Status: Answered Chosen Option: 3

Q.7 If six-digit number 5x2y6z is divisible by 7, 11 and 13, then the value of (x - y + 3z) is:

Ans

X 1. 9

X 2. 0

3. 7

X 4. 4

Question ID: 8161616397 Status: Answered Chosen Option: 3

Q.8 If the annual rate of simple interest increases from 11% to $17\frac{1}{2}\%$, then a person's yearly income increases by ₹1,071.20. The simple interest (in ₹) on the same sum at 10% for 5 years is:

Ans

X 1. 9,120

2. 8,240

X 3. 16,480

X 4. 7,250

Question ID: 8161616414 Status: Answered Chosen Option: 2

Q.9 If the difference between the compound interest and simple interest at 17% on a sum of money for 2 years (compounded annually) is ₹433.50, then the compound interest (in \mathfrak{F}) is:

Ans

1. 5,533.50

× 2. 2,735.50

X 3. 5,100

X 4. 2,500

Question ID: 8161616413 Status: Answered Chosen Option: 1

Q.10 A rectangular lawn whose length is twice of its breadth is extended by having four semi-circular portions on its sides.

What is the total area (in m^2) of the lawn if the smaller side of the rectangle is 12 m? (Take $\pi=3.14$)

Ans

X 1. 548.32

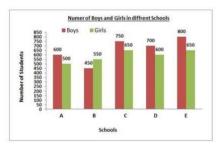
X 2. 444

√ 3. 853.2

X 4. 308.64

Question ID: 8161616424 Status: Answered Chosen Option: 3

Q.11 The given bar graph represents the number of boys and girls in five different schools. Read the graph and answer the question that follows.



What is the average number of students (girls and boys) in schools A, B, C, D and E? Ans

2. 1250

X 3. 625

X 4. 660

Question ID: 8161616438 Status: Answered Chosen Option: 2

 $\textbf{Q.12} \quad \text{In } \Delta ABC \text{, } AB \text{ and } AC \text{ are produced to points } D \text{ and } E, \text{ respectively. If the bisectors of } \angle CBD \text{ and } \angle BCE \text{ meet at the points } D \text{ and } E \text{$ point O, and $\angle BOC = 57^{\circ}$, then $\angle A$ is equal to:

Ans

√1. 66°

X 2. 93 °

X 3. 114°

X 4. 57°

Ouestion ID: 8161616432 Status: Answered Chosen Option: 1

Q.13 A single discount equivalent to three successive discounts of 6%, 15% and 14% is:

Ans

X 1. 34.357%

X 2. 17.5%

X 3. 68.714%

√ 4. 31.286%

Question ID : **8161616404**Status : **Answered**Chosen Option : **4**

Q.14 If x + y + z = 17, xyz = 171 and xy + yz + zx = 111, then the value of $\sqrt[3]{(x^3 + y^3 + z^3 + xyz)}$ is:

Ans

X 1. 0

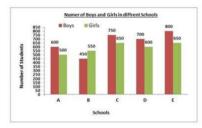
√ 2. −4

X 3. 4

X 4. -64

Question ID : 8161616428 Status : Answered Chosen Option : 2

Q.15 The given bar graph represents the number of boys and girls in five different schools. Read the graph and answer the question that follows.



Ans What is the ratio of the girls from schools A, B and C taken together to the boys from all schools taken together?

× 2. 33 : 17

X 3. 66:59

4. 17:33

Question ID : 8161616437 Status : Answered Chosen Option : 4

Q.16 A solid lead sphere of radius 11 cm is melted and recast into small solid spheres of radius 2 cm each. How many maximum number (in integer) of such spheres can be made?

Ans

X 1 125

2. 166

X 3. 100

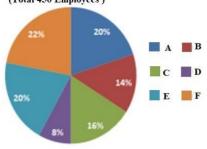
X 4. 30

Question ID : 8161616421 Status : Answered

Q.17 The average weight of a group of 3 people A, B and C is 70 kg. When D joins this group, the average becomes 60 kg. A man E, whose weight is 5 kg more than that of D, replaces A and the average weight of B, C, D, and E now becomes 59 kg. What is the average weight (in kg) of A, D and E? (correct to the nearest integer) Ans X 1. 40 **2**. 35 **X** 3. 39 X 4. 30 Question ID: 8161616406 Status: Answered Chosen Option: 2 Q.18 A solid metallic cube of side 9 cm and a solid metallic cuboid having dimensions 5 cm, 13 cm, 31 cm are melted to form a single cube. How much (in \P) is the cost to polish the new cube at a rate of \P 10 per cm²? Ans X 1. 8,650 2. 11,760 X 3. 13,620 × 4. 27,440 Question ID: 8161616423 Status: Answered Chosen Option: 2 The least number which is exactly divisible by 4, 5, 8, 10 and 12 is: **1** 120 X 2. 150 **X** 3. 180 X 4. 240 Question ID: 8161616398 Status: Answered Chosen Option: 1

Q.20 The given pie chart shows the percentage distribution of 450 employees in an organisation. Read the pie chart and answer the question that follows.

Percentage of Employees in different Departments (Total 450 Employees)



If 75% of the employees in department D are males, how many female employees are there in that department?

Ans

1. 9

X 2. 36

X 3. 27

X 4. 18

Question ID: 8161616442

Status: Answered

Chosen Option: 1

Q.21

The value of $\frac{0.325 \times 0.325 + 0.175 \times 0.175 + 25 \times 0.00455}{5 \times 0.0065 \times 3.25 - 7 \times 0.175 \times 0.025} + \frac{0.5}{1.5}$ is:

Ans

X 1. 0

X 2.

X 3.

√ 4.
¹¹/₃

Question ID: 8161616402

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.22 If the average price of three chairs is ₹14,014 and their prices are in the ratio of 3:4:7, then the highest price (in ₹) of chair is:

Ans

X 1. 5,005

× 2. 3,003

X 3. 1,001

4. 7,007

Question ID: 8161616403

Status: Answered

Q.23 The remainder when $72 \times 73 \times 78 \times 76$ is divided by 35 is:

Ans

X 1. 12

X 2. 22

3. 8

X 4. 15

Question ID : **8161616396** Status : **Answered** Chosen Option : **3**

The value of $\frac{\sin^2 30^\circ + \cos^2 60^\circ + \sec 45^\circ \cdot \sin 45^\circ}{\sec 60^\circ + \csc 30^\circ}$ is:

Ans

X 1. $\frac{1}{4}$

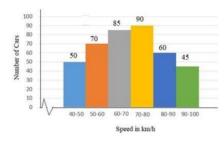
√ 2. 3

X 3. $-\frac{1}{4}$

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

Question ID : **8161616434**Status : **Answered**Chosen Option : **2**

Q.25 The given histogram shows the frequency distribution of the speed of cars passing through a particular spot on a highway. Read the graph and answer the following question.



The number of cars with speed (km/h) in the interval (60 - 70) km/h is what percentage less than the number of cars with speed (km/h) in the interval (70 - 80) km/h? (correct to one decimal place)

Ans

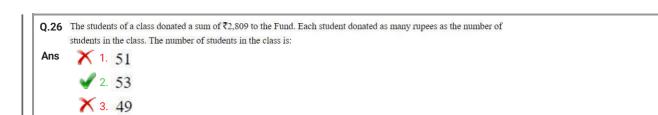
√ 1. 5.6%

X 2. 8.6%

X 3. 7.5%

X 4. 5.9%

Question ID : 8161616445 Status : Answered



Question ID : 8161616399 Status : Answered Chosen Option : 2

Q.27 A man spends 75% of his income. If his income increases by 28% and his expenditure increases by 20%, then what is the increase or decrease percentage in his savings?

Ans

X 1. 13% increase

X 4. 47

X 2. 52% decrease

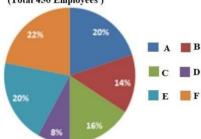
X 3. 13% decrease

4. 52% increase

Question ID : **8161616408** Status : **Answered** Chosen Option : **4**

Q.28 The given pie chart shows the percentage distribution of 450 employees in an organisation. Read the pie chart and answer the question that follows.

Percentage of Employees in different Departments (Total 450 Employees)



Ans What is the number of employees working in department F?

2. 99

X 3. 63

X 4. 72

Question ID : **8161616440**Status : **Answered**Chosen Option : **2**

Q.29 The length of the shadow of a vertical pole on the ground is 36 m. If the angle of elevation of the sun at that time is θ , such that $\sec \theta = \frac{13}{12}$, then what is the height (in cm) of the pole?

Ans

X 1. 12

2. 15

X 3. 18

X 4. 9

Question ID : **8161616436** Status : **Answered** Chosen Option : **2**

 $\angle APB = 130^{\circ}$, then $\angle OAB$ is equal to: Ans X 1. 45° ✓ 2. 65° X 3. 35° X 4. 50° Question ID: 8161616430 Status: Answered Chosen Option: 2 Q.31 A sum of ₹8,200 was divided among A, B and C in such a way that A had ₹500 more than B and C had ₹300 more than A. How much was C's share (in ₹)? Ans X 1. 2,300 √ 2. 3,100 × 3. 2,800 X 4. 2,000 Question ID: 8161616412 Status: Answered Chosen Option: 2 Q.32 The given pie chart shows the percentage distribution of 450 employees in an organisation. Read the pie chart and answer the question that follows. Percentage of Employees in different Departments (Total 450 Employees) What is the central angle of the sector representing the number of employees in department E? Ans X 1. 36° × 2. 108° X 3. 90° √ 4. 72° Question ID: 8161616441 Status: Answered

Chosen Option: 4

Q.30 PA and PB are two tangents from a point P outside the circle with centre O at the points A and B on it. If

Q.33 The monthly salary of a person was ₹75,000. He used to spend on Family Expenses (E), Taxes (T), Charity (C) and rest were his savings. E was 60% of the income, T was 20% of E, and C was 15% of T. When his salary got raised by 40%, he maintained the percentage level of E, but T became 30% of E and C became 20% of T. The ratio of the savings of his earlier salary to that of his present salary is:

Ans

X 1. 337 : 325

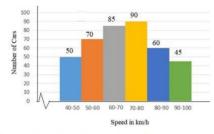
X 2. 644: 655

√ 3. 655 : 644

X 4. 325 : 337

Question ID : 8161616409 Status : Answered Chosen Option : 3

Q.34 The given histogram shows the frequency distribution of the speed of cars passing through a particular spot on a highway. Read the graph and answer the following question.



What is the ratio of the number of cars with speed less than 60 km/h to the number of cars with speed more than 70 km/h?

Ans

X 1. 13:8

X 2. 8:5

√ 3. 8 : 13

X 4. 5:8

Question ID : 8161616444 Status : Answered Chosen Option : 3

Q.35 The value of $2\frac{1}{3} \div 2\frac{1}{2}$ of $1\frac{3}{5} + \left(\frac{3}{8} + \frac{1}{7} \times 1\frac{3}{4}\right)$ is:

Ans

 \times 1. $\frac{25}{24}$

✓ 2. 29

X 3. 35

 \times 4. $\frac{5}{24}$

Question ID : 8161616400 Status : Answered

Chosen Option : ${\bf 2}$

Q.36 A person covers a distance of 300 km and then returns to the starting point. The time taken by him for the outward journey is 5 hours more than the time taken for the return journey. If he returned at a speed of 10 km/h more than the speed of going, what was the speed (in km/h) for the outward journey?

Ans

X 1. 15

√ 2. 20

X 3. 30

X 4. 25

Question ID: 8161616419 Status: Not Answered

Chosen Option: --

Q.37 ABCD is a cyclic quadrilateral such that AB is a diameter of the circle circumscribing it and ∠ADC = 118°. What is the measure of ∠BAC?

Ans

X 1. 32°



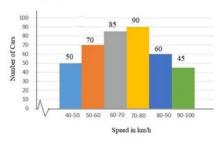
✓ 2. 28°



X 4. 30°

Question ID: 8161616429 Status: Answered Chosen Option: 2

Q.38 The given histogram shows the frequency distribution of the speed of cars passing through a particular spot on a highway. Read the graph and answer the following question.



What percentage of cars were running with the speed of 90 km/h and above?

Ans

X 1. 10%

× 2. 21.25%

√ 3. 11.25%

X 4. 15.75%

Question ID: 8161616443 Status: Answered

Chosen Option: 3

Q.39 A and B can do a piece of work in 36 days. B and C can do the same work in 60 days. A and C can do the same work in 45 days. In how many days can B alone complete the same work?

Ans

X 1 120

X 2. 45

X 3. 60

4. 90

Ouestion ID: 8161616418 Status: Answered

Chosen Option: 4

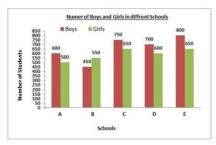
Q.40 A man bought an article and sold it at a gain of 10%. If he had bought the article at 20% less and sold it for ₹1,000 more, he would have made a profit of 40%. The earlier selling price of the article (in $\overline{\xi}$) is: Ans X 1 50,000 × 2. 40,000 **3**. 55,000 X 4. 60,000 Question ID: 8161616411 Status: Answered Chosen Option: 3 If $\sin 3x = \cos (3x - 45^{\circ})$, $0^{\circ} < 3x < 90^{\circ}$, then x is equal to: Ans X 1. 27.5° X 2. 45 ° X 3. 35 ° ✓ 4. 22.5° Question ID: 8161616433 Status: Answered Chosen Option: 4 Q.42 Asha and Suman's mud forts have heights 9 cm and 16 cm. If the fort tops are at 25 cm apart from each other, then the distance (in cm) between two forts is: Ans X 1. 7 X 2. 16 X 3. 25 **4**. 24 Question ID: 8161616435 Status: Answered Chosen Option: 4 Q.43 The area of a field in the shape of a hexagon is $1944\sqrt{3}$ m². What will be the cost (in $\stackrel{?}{=}$) of fencing it at the rate of ₹11.50 per metre? Ans X 1. 2,256

> Question ID: 8161616425 Status: Answered

Chosen Option: 3

X 2. 2,785✓ 3. 2,484X 4. 3,200

Q.44 The given bar graph represents the number of boys and girls in five different schools. Read the graph and answer the question that follows.



In which school is the percentage of boys more than 55%?

Ans

- X 1. C
- X 2. B
- **√** 3. **E**
- X 4. A

Question ID : **8161616439** Status : **Answered**

Chosen Option: 3

Q.45 If house tax is paid before the due date, one gets a reduction of 12% on the amount of the bill. By paying the tax before the due date, a person got a reduction of ₹2,100. The amount (in ₹) of house tax paid was:

Ans

- X 1. 25,000
- × 2 21,000
- **√** 3. 15,400
- X 4. 17,500

Question ID : 8161616410 Status : Answered

Chosen Option: 4

Q.46 The value of $\left(5 \div 2 \text{ of } \frac{1}{2}\right) + \left(5\frac{1}{4} \div \frac{3}{7} \text{ of } \frac{1}{2}\right) \div \left(5\frac{1}{9} - 7\frac{7}{8} \div 9\frac{9}{20}\right) \times \frac{11}{21}$ is:

Δne

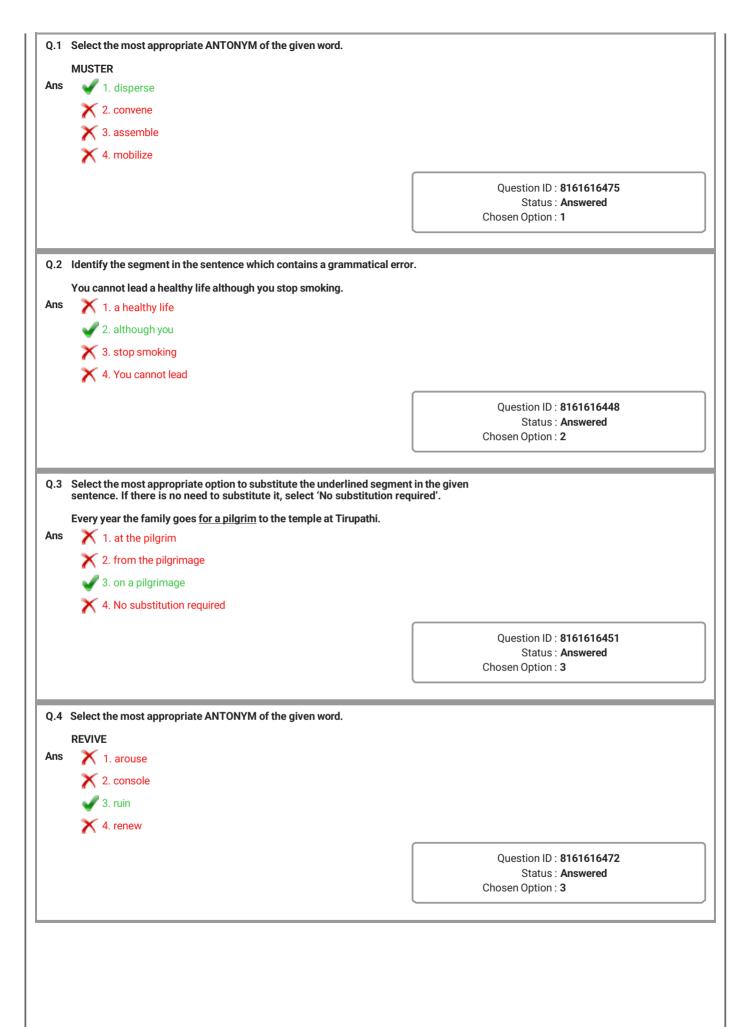
- \times 1. $\frac{35}{24}$
- × 2. $\frac{15}{28}$
- **X** 3. −2
- **4**. 8

Question ID: 8161616401 Status: Answered

Chosen Option : 4

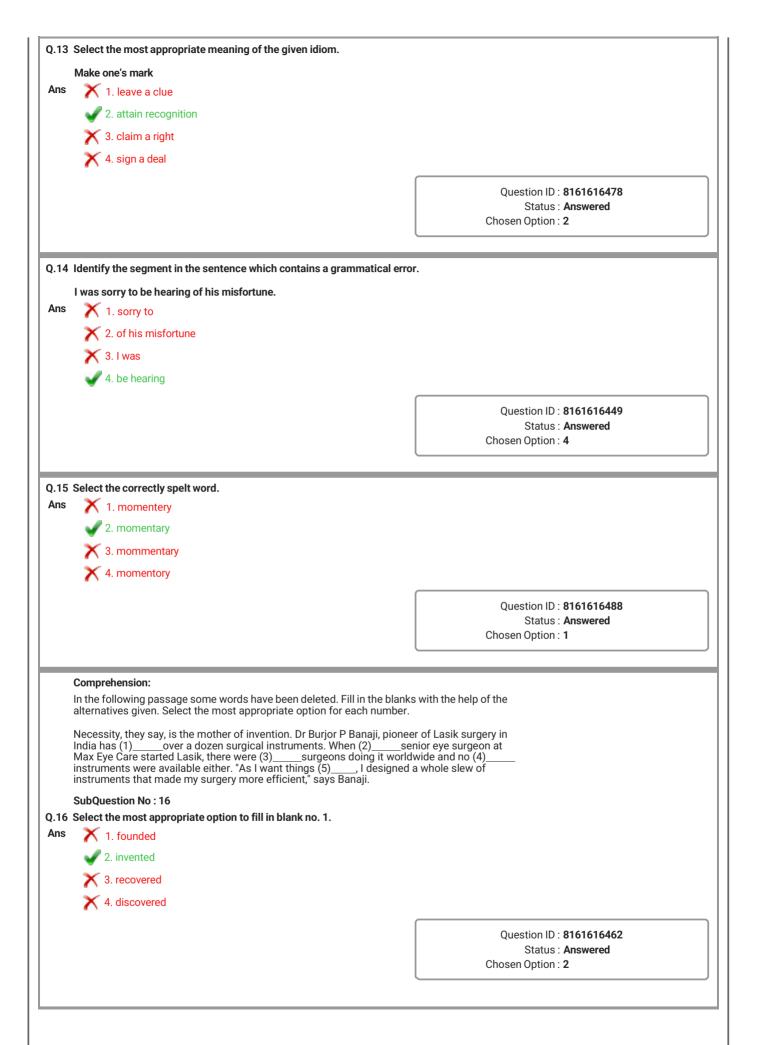
	A bus covers a 60 kilometre distance in 1 hour 30 minutes, whereas the same distance is covered by a car in 45 minutes. What is the ratio of the speed of the car to the speed of the bus?					
Ans	× 1. 5:3					
	X 2. 1 : 2					
	√ 3. 2:1					
	× 4. 3:5					
		Question ID : 8161616420 Status : Answered				
		Chosen Option : 3				
Q.48	A and B started a business investing amounts of $\overline{\P}92,500$ and $\overline{\P}1,12,500$, respectively. If B's share in the profit earned by them is $\overline{\P}9,000$, what is the profit (in $\overline{\P}$) earned by A?					
Ans	× 1. 10,000					
	× 2. 11,240					
	✓ 3. 7,400					
	× 4. 9,000					
	7 4 9,000					
		Question ID : 8161616407				
		Status : Answered Chosen Option : 3				
Q.49	Pipes A, B and C can fill an empty tank in $\frac{30}{7}$ hours, if all the three pipes are opened simu	ltaneously. A and B are filling				
	pipes and C is an emptying pipe. Pipe A can fill the tank in 15 hours and pipe C can empty it in 12 hours. In how long (in hours) can pipe B alone fill the empty tank?					
Ans	X 1. 6					
	∧ 1. 6					
	× 1. 6 × 2. 3					
	× 2. 3					
	★ 2. 3✓ 3. 4	Ougation ID : 9161616415				
	★ 2. 3✓ 3. 4	Question ID : 8161616415 Status : Answered				
	★ 2. 3✓ 3. 4	·				
	★ 2. 3✓ 3. 4★ 4. 5	Status : Answered Chosen Option : 3				
Q.50	2. 33. 44. 5	Status : Answered Chosen Option : 3				
Q.50 Ans	 2. 3 3. 4 4. 5 When operated separately, pipe A takes 5 hours less than pipe B to fill a cistern, and when	Status : Answered Chosen Option : 3				
	 2. 3 3. 4 4. 5 When operated separately, pipe A takes 5 hours less than pipe B to fill a cistern, and when gets filled in 6 hours. In how much time (in hours) will pipe A fill the cistern, if operated 1. 15 2. 10 	Status : Answered Chosen Option : 3				
	 X 2. 3 X 3. 4 X 4. 5 When operated separately, pipe A takes 5 hours less than pipe B to fill a cistern, and when gets filled in 6 hours. In how much time (in hours) will pipe A fill the cistern, if operated X 1. 15 2. 10 X 3. 9 	Status : Answered Chosen Option : 3				
	 2. 3 3. 4 4. 5 When operated separately, pipe A takes 5 hours less than pipe B to fill a cistern, and when gets filled in 6 hours. In how much time (in hours) will pipe A fill the cistern, if operated 1. 15 2. 10 	Status : Answered Chosen Option : 3				
	 X 2. 3 X 3. 4 X 4. 5 When operated separately, pipe A takes 5 hours less than pipe B to fill a cistern, and when gets filled in 6 hours. In how much time (in hours) will pipe A fill the cistern, if operated X 1. 15 2. 10 X 3. 9 	Status : Answered Chosen Option : 3				
	 X 2. 3 X 3. 4 X 4. 5 When operated separately, pipe A takes 5 hours less than pipe B to fill a cistern, and when gets filled in 6 hours. In how much time (in hours) will pipe A fill the cistern, if operated X 1. 15 2. 10 X 3. 9 	Status: Answered Chosen Option: 3				

Section: English Comprehension



Q.5 Select the most appropriate synonym of the given word. SUMPTUOUS Ans X 1. bereft 💢 2. meager 3. stingy 4. opulent Question ID: 8161616471 Status: Answered Chosen Option: 4 Q.6 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required' The forecast predicts that there will be little rain in the month of July. Ans X 1. must be a little rain 2. would be few rain X 3. should be many rain 4. No substitution required Question ID: 8161616453 Status: Answered Chosen Option: 1 Q.7 Select the correctly spelt word. X 1. vengance 2. wengence 3. vengeance \chi 4. wengeance Question ID: 8161616489 Status: Answered Chosen Option: 3 Q.8 Identify the segment in the sentence which contains a grammatical error. I had to hold on to the wall to steady itself or I could have fallen. Ans 1. I had to hold on X 2. to the wall 3. to steady itself X 4. could have fallen Question ID: 8161616447 Status: Answered Chosen Option: 3

Q.9	Identify the segment in the sentence which contains a grammatical error.						
	She has been working tirelessly since hours.						
Ans	X 1. been working						
	X 2. She has						
	3. since hours						
	X 4. tirelessly						
		Question ID : 8161616446					
		Status : Answered					
		Chosen Option : 3					
Q.10	Q.10 Fill in the blank with the most appropriate word.						
A	Second-hand furniturehere at reasonable prices.						
Ans	X 1. are sold						
	2. were selling						
	X 3. has sold						
	√ 4. is sold						
		Question ID : 8161616456					
		Status : Answered					
		Chosen Option : 4					
Q.11	Fill in the blank with the most appropriate word.						
Ana	of our success depends on our own efforts.						
AIIS	1. Few						
	2. Many						
	X 3. Less						
	√ 4. Much						
		Question ID : 8161616457					
		Status : Answered Chosen Option : 4					
		Chosen option: 4					
0.10	Coloratation would array any intermediation of the array of the series o						
Ų. 12	Select the most appropriate meaning of the given idiom.						
Ans	Pocket an insult 1. bear an insult quietly						
	2. resent an affront						
	3. express true feelings						
	X 4. plan a revenge						
		Question ID : 8161616479					
		Status : Answered Chosen Option : 4					
		Shooth Spaint 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 number.

Necessity, they say, is the mother of invention. Dr Burjor P Banaji, pioneer of Lasik surgery in India has (1)_____over a dozen surgical instruments. When (2)____senior eye surgeon at Max Eye Care started Lasik, there were (3)____surgeons doing it worldwide and no (4)___instruments were available either. "As I want things (5)____, I designed a whole slew of instruments that made my surgery more efficient," says Banaji.

SubQuestion No: 17

Q.17 Select the most appropriate option to fill in blank no. 2.

Ans

X 1. those

2.

X 3. they

X 4. these

Question ID : **8161616463** 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 number.

Necessity, they say, is the mother of invention. Dr Burjor P Banaji, pioneer of Lasik surgery in India has (1) _____ over a dozen surgical instruments. When (2) _____ senior eye surgeon at Max Eye Care started Lasik, there were (3) _____ surgeons doing it worldwide and no (4) ____ instruments were available either. "As I want things (5) _____, I designed a whole slew of instruments that made my surgery more efficient," says Banaji.

SubQuestion No: 18

Q.18 Select the most appropriate option to fill in blank no. 3.

Ans

1. mor

X 2. litt

X 3. any

4. few

Question ID: 8161616464

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 number.

Necessity, they say, is the mother of invention. Dr Burjor P Banaji, pioneer of Lasik surgery in India has (1)_____over a dozen surgical instruments. When (2)____senior eye surgeon at Max Eye Care started Lasik, there were (3)____surgeons doing it worldwide and no (4)___instruments were available either. "As I want things (5)____, I designed a whole slew of instruments that made my surgery more efficient," says Banaji.

SubQuestion No: 19

Q.19 Select the most appropriate option to fill in blank no. 4.

Ans

1. specific

X 2. limited

X 3. exact

X 4. correct

Question ID : 8161616465 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 number. Necessity, they say, is the mother of invention. Dr Burjor P Banaji, pioneer of Lasik surgery in India has (1) over a dozen surgical instruments. When (2) senior ave surgeon at

Necessity, they say, is the mother of invention. Dr Burjor P Banaji, pioneer of Lasik surgery in India has (1)_____over a dozen surgical instruments. When (2)____senior eye surgeon at Max Eye Care started Lasik, there were (3)____surgeons doing it worldwide and no (4)___instruments were available either. "As I want things (5)____, I designed a whole slew of instruments that made my surgery more efficient," says Banaji.

SubQuestion No: 20

Q.20 Select the most appropriate option to fill in blank no. 5.

Ans

X 1. punitive

X 2. prolific

X 3. popular

4. perfect

Question ID : 8161616466 Status : Answered

Chosen Option: 4

Q.21 Fill in the blank with the most appropriate word.

Eggs are sold_____ the dozen.

Ans

🗙 1. at

X 2 to

2.0

3. by

Question ID : 8161616458

Status : **Answered** Chosen Option : **3**

Q.22 Select the most appropriate synonym of the given word.

GAUDY

Ans

X 1. simple

X 2. plain

💢 3. proper

4. flashy

Question ID : 8161616467

Status: Answered

Chosen Option: 4

Q.23 Select the most appropriate synonym of the given word.

DESPISE

Ans

🗙 1. adore

🗶 2. admire

🕜 3. abhor

X 4. approve

Question ID: 8161616470 Status: Answered

Chosen Option: 3

