

Exam Date	04/08/2022
Exam Time	2:30 PM - 3:30 PM
Subject	Selection Post Phase X Higher Secondary Level

Section : General Intelligence

**Q.1** Which of the following letter-clusters will replace the question mark (?) in the given series?

RI, PK, LO, FU, XC, ?

Ans  1. PK

2. MN

3. NM

4. NL

Question ID : 26433057184

Status : Answered

Chosen Option : 3

**Q.2** In this question, three 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 conclusion(s) logically follow(s) from the statements.

Statements:

All chairs are tables.

Some tables are stands.

All stands are baskets.

Conclusions:

I. Some chairs are stands.

II. Some tables are baskets.

III. All baskets are chairs.

Ans  1. Only conclusion III follows.

2. Only conclusions II and III follow.

3. Only conclusions I and II follow.

4. Only conclusion II follows.

Question ID : 26433057847

Status : Answered

Chosen Option : 4

**Q.3** In a certain code language, 'STATE' is written as '38401405' and 'EXILE' is written as '5489245'. How will 'ARENA' be written in that language?

Ans  1. 1365281

2. 1365141

3. 21810142

4. 21181014

Question ID : 26433065599

Status : Answered

Chosen Option : 1

**Q.4** Select the option that represents the correct order of the given words as they would appear in an English dictionary.

- 1. Genius
- 2. Genuine
- 3. Generic
- 4. Generous
- 5. Genesis

Ans  1. 4, 1, 5, 2, 3

2. 3, 5, 1, 4, 2

3. 3, 4, 5, 1, 2

4. 1, 2, 3, 4, 5

Question ID : 26433057882

Status : Answered

Chosen Option : 3

**Q.5** In a code language, 'MUSCLE' is coded as USMLEC and 'FINGER' is coded as INFERG.

How will 'THROAT' be coded in the same language?

Ans  1. HTRAOT

2. HTROAT

3. RHTTAO

4. HRTATO

Question ID : 26433057898

Status : Answered

Chosen Option : 4

**Q.6** Which of the following numbers will replace the question mark (?) in the given series?

191, 174, 165, 148, 139, ?

Ans  1. 128

2. 122

3. 125

4. 120

Question ID : 26433057542

Status : Answered

Chosen Option : 2

**Q.7** Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(22, 7, 385)

(36, 9, 810)

Ans  1. (14, 3, 115)

2. (26, 8, 420)

3. (19, 4, 290)

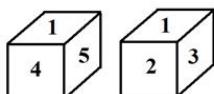
4. (27, 6, 405)

Question ID : 26433057513

Status : Answered

Chosen Option : 1

Q.8 Two positions of the same dice are given. What digit will be on the face opposite to the face having the digit 5?



Ans  1. 3

2. 1

3. 4

4. 6

Question ID : 26433057362

Status : Answered

Chosen Option : 1

Q.9 In a code language, 'PALM' is coded as 16-1-12-13 and 'HEAD' is coded as 8-5-1-4. How will 'NECK' be coded in the same language?

Ans  1. 13-5-3-11

2. 14-5-3-10

3. 14-5-3-11

4. 13-5-3-10

Question ID : 26433057896

Status : Answered

Chosen Option : 3

Q.10 Select correct combination of mathematical signs to sequentially replace the letter Y and balance the following equation.

52 Y 13 Y 16 Y 32 Y 2

Ans  1. +, x, =,-

2. +, x, =, x

3. x, =,-, +

4. x, +, =,-

Question ID : 26433057359

Status : Answered

Chosen Option : 2

Q.11 In this question, three 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 conclusion(s) logically follow(s) from the statements.

Statements:

All chairs are doors.

Some doors are keys.

All keys are windows.

Conclusions:

I. All chairs are keys.

II. Some windows are doors.

Ans  1. Only conclusion I follows.

2. Only conclusion II follows.

3. Neither conclusion I nor II follows.

4. Both conclusions I and II follow.

Question ID : 26433057840

Status : Answered

Chosen Option : 2

**Q.12** In a certain code language, 'TREE' is written as WWHJ, and 'LEAF' is written as OJDK. How will 'BARK' be written in that language?

Ans  1. GFUN  
 2. EFTP  
 3. EFUP  
 4. GDWN

Question ID : 26433057716

Status : Answered

Chosen Option : 3

**Q.13** Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Pentagon
2. Decagon
3. Triangle
4. Hexagon
5. Heptagon

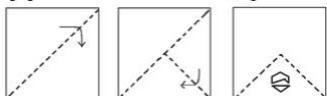
Ans  1. 1, 4, 2, 3, 5  
 2. 5, 2, 1, 3, 4  
 3. 4, 2, 1, 3, 5  
 4. 2, 5, 4, 1, 3

Question ID : 26433067501

Status : Answered

Chosen Option : 4

**Q.14** The following figures show the sequence of folding a piece of paper. The last figure shows the manner in which the folded paper has been cut. Choose a figure which would most closely resemble the unfolded form of the paper.



Ans

1.

2.

3.

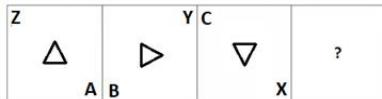
4.

Question ID : 26433057421

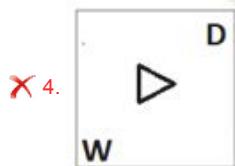
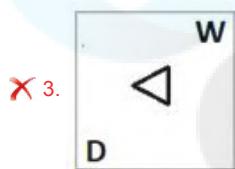
Status : Answered

Chosen Option : 4

Q.15 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans



Question ID : 26433057856

Status : Answered

Chosen Option : 1

Q.16 In a certain code language, 'FIRST' is written as 'YWUKG' and 'GROSS' is written as 'XWRTH'. How will 'ROUND' be written in that language?

Ans ✗ 1. JQXQS

✗ 2. IRYQS

✗ 3. HRXQS

✓ 4. IRXQS

Question ID : 26433057275

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.17 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

TIDE : URBW :: BACK : CZAQ :: WORD: ?

Ans ✓ 1. XLPX

✗ 2. XPSE

✗ 3. XLIW

✗ 4. XMPX

Question ID : 26433057482

Status : Answered

Chosen Option : 1

Q.18 In a code language, 'TRAIN' is written as AITRS, and 'TRUCK' is written as UCTRP. How will 'CYCLE' be written in the same language?

Ans  1. CLCYJ

2. CCYLE

3. CLYCJ

4. CLCYM

Question ID : 26433057756

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.19 H is the husband of G. J and K are the sons of H. L is the son of J. L is the brother of M. N is the mother of M. How is N related to H?

Ans  1. Daughter-in-law

2. Sister

3. Daughter

4. Mother

Question ID : 26433057722

Status : Answered

Chosen Option : 1

Q.20 Which of the following letter-clusters will replace the question mark (?) in the given series?

UHS, OJQ, ILO, ENM, ?

Ans  1. APL

2. APK

3. BPK

4. AOK

Question ID : 26433057193

Status : Answered

Chosen Option : 2

Q.21 Select the option that is related to the third word in the same way as the second word is related to the first word.(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)  
Bengaluru : Karnataka :: Ranchi : ?

Ans  1. Assam

2. Uttar Pradesh

3. Madhya Pradesh

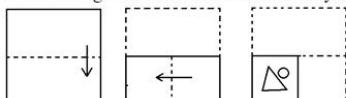
4. Jharkhand

Question ID : 26433057960

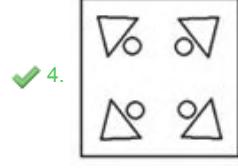
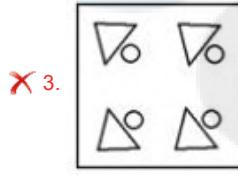
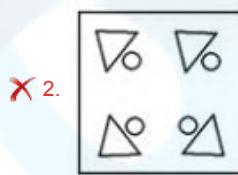
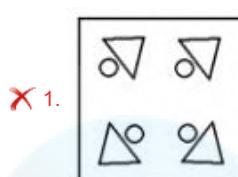
Status : Answered

Chosen Option : 4

**Q.22** The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown below. Choose a figure which would most closely resemble the unfolded form of the paper.



**Ans**



Question ID : 26433057408

Status : Answered

Chosen Option : 4

**Q.23** Pointing at a woman, Ram said, "She is the only maternal aunt of my maternal aunt's daughters, and I don't have any maternal uncle." What is the relation of the woman to Ram?

**Ans**

- ✗ 1. Sister
- ✗ 2. Sister-in-law
- ✓ 3. Mother
- ✗ 4. Grandmother

Question ID : 26433057696

Status : Answered

Chosen Option : 3

**Q.24** Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

FOUR: TLEI :: CODE: WLVV :: LAST: ?

**Ans**

- ✗ 1. NUCI
- ✗ 2. OZHG
- ✗ 3. PZIG
- ✓ 4. NZGG

Question ID : 26433057488

Status : Answered

Chosen Option : 4

**Q.25 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.**

GENTLE : VOGMVT :: FACIAL : OZRXZU :: MAKEUP : ?

Ans  1. KFWPZN  
 2. KFVPYN  
 3. KFVPZN  
 4. KFVQZN

Question ID : 26433057259

Status : Answered

Chosen Option : 3

Section : English Language

**Q.1 Select the INCORRECTLY spelt word.**

Ans  1. Versus  
 2. Optimal  
 3. Exclamation  
 4. Homonym

Question ID : 26433055458

Status : Answered

Chosen Option : 1

**Q.2 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

A. And hacking is a common method of breaching the defences of protected computer systems by attackers.  
B. Cybercrime is described as any illegal behaviour that occurs on or via the means of computers, the internet or other technologies.  
C. Cyber attackers can conduct cybercrime by employing a variety of programmes and software in cyberspace.  
D. The attackers deploy malware to take advantage of flaws in the hardware and software architecture.

Ans  1. BCDA  
 2. BDAC  
 3. CDBA  
 4. BACD

Question ID : 26433058352

Status : Answered

Chosen Option : 1

**Q.3 Select the option that expresses the given sentence in direct speech.**

The thief asked if he remembered the place where they had hidden their jewellery.

Ans  1. The thief asked, "Do you remember the place where we have hidden our jewellery?"  
 2. The thief asked, "Can you remember the place where we were hiding our jewellery?"  
 3. The thief asked, "Where do you remember the place where we have hidden our jewellery?"  
 4. The thief asked, "Did you remember the place where we hid our jewellery?"

Question ID : 26433060615

Status : Answered

Chosen Option : 1

**Q.4 Select the correct superlative degree of comparison for the given sentence.**

I told him my inner feelings.

Ans  1. I told him my feelings.  
 2. I told him my innermost feelings.  
 3. I told him my in feelings.  
 4. I told him my more inner feelings.

Question ID : 26433055443

Status : Answered

Chosen Option : 2

**Q.5 Select the option that expresses the given sentence in direct speech.**

Anne asked whether I knew a good lawyer.

Ans  1. Anne asked, "Whether I knew a good lawyer?"  
 2. Anne said, "You knew a good lawyer?"  
 3. Anne said, "Do you know a good lawyer?"  
 4. Anne said, "Whether do you know a good lawyer?"

Question ID : 26433075448

Status : Answered

Chosen Option : 4

**Q.6 Select the option that expresses the given sentence in passive voice.**

Fredrick had submitted all the pending assignments by Wednesday.

Ans  1. All the pending assignments are being submitted by Fredrick by Wednesday.  
 2. Fredrick was submitting all the pending assignments by Wednesday.  
 3. All the pending assignments are to be submitted by Fredrick by Wednesday.  
 4. All the pending assignments had been submitted by Fredrick by Wednesday.

Question ID : 26433055876

Status : Answered

Chosen Option : 4

**Q.7 Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.**

Rumour mongering is one of the bad habit.

Ans  1. one of the worse habit  
 2. No substitution required  
 3. ones of the worse habit  
 4. one of the bad habits

Question ID : 26433063542

Status : Answered

Chosen Option : 4

**Q.8 Select the most appropriate meaning of the underlined idiom in the given sentence.**

The rope gave way while the workmen were hauling up the iron pillar.

Ans  1. repressed  
 2. lulled  
 3. stifled  
 4. snapped

Question ID : 26433055452

Status : Answered

Chosen Option : 2

Q.9 Select the option that expresses the given sentence in active voice.

The allegation was dismissed by the minister.

Ans  1. The minister had dismissed the allegation.  
 2. The minister dismissed the allegation.  
 3. The minister is dismissed the allegation  
 4. The minister has dismissed the allegation.

Question ID : 26433063604

Status : Answered

Chosen Option : 2

Q.10 Select the most appropriate option to substitute the underlined segment in the given sentence.

They will not sanction to copy without permission

Ans  1. can not sanction to copying  
 2. are not sanction to be copying  
 3. will not sanction copying  
 4. will not be sanctioned to copy

Question ID : 26433055986

Status : Answered

Chosen Option : 3

Q.11 Select the most appropriate meaning of the underlined word in a sentence.

The eagle seized its prey in a tenacious grip.

Ans  1. timidous  
 2. flexible  
 3. persistent  
 4. passive

Question ID : 26433056001

Status : Answered

Chosen Option : 1

Q.12 Select the most appropriate ANTONYM of the underlined word.

The orator gave his best winsome smile.

Ans  1. Cunning  
 2. Satisfying  
 3. Repelling  
 4. Winning

Question ID : 26433055847

Status : Answered

Chosen Option : 1

**Q.13 Select the most appropriate meaning of the given idiom.**

Clear the air

Ans  1. To deal openly with misunderstandings to get rid of them  
 2. To switch off fans  
 3. To use aroma to sweeten the air  
 4. To reduce pollution

Question ID : 26433063645

Status : Answered

Chosen Option : 1

**Q.14 Select the option that can be used as a one-word substitute for the given group of words.**

The killing of a whole race

Ans  1. Matricide  
 2. Patricide  
 3. Infanticide  
 4. Genocide

Question ID : 26433055977

Status : Answered

Chosen Option : 4

**Q.15 Select the most appropriate option to fill in the blanks.**

His \_\_\_\_\_ violation of the moral code of conduct was too \_\_\_\_\_ to be forgiven.

Ans  1. flagrant; outrageous  
 2. fragrant; outgoing  
 3. obscure; outstanding  
 4. magnificent; outlandish

Question ID : 26433065187

Status : Answered

Chosen Option : 1

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There were two (1)\_\_\_\_\_buddies who went through school and college and even joined the army together. War (2)\_\_\_\_\_ and they were (3)\_\_\_\_\_ in the same unit. One night they were ambushed. Bullets were flying (4)\_\_\_\_\_ and out of the darkness came a voice, "Harry, please come and help me". Harry (5)\_\_\_\_\_ recognised that voice of his childhood buddy.

**SubQuestion No : 16**

**Q.16 Select the most appropriate option to fill in blank 1.**

Ans  1. childhood  
 2. childish  
 3. child  
 4. childlike

Question ID : 26433063744

Status : Answered

Chosen Option : 1

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There were two (1)\_\_\_\_\_buddies who went through school and college and even joined the army together. War (2)\_\_\_\_\_and they were (3)\_\_\_\_\_in the same unit. One night they were ambushed. Bullets were flying (4)\_\_\_\_\_and out of the darkness came a voice, "Harry, please come and help me". Harry (5)\_\_\_\_\_recognised that voice of his childhood buddy.

**SubQuestion No : 17**

**Q.17 Select the most appropriate option to fill in blank 2.**

Ans  1. broke out  
 2. broke in  
 3. broke up  
 4. broke into

Question ID : 26433063745

Status : Answered

Chosen Option : 1

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There were two (1)\_\_\_\_\_buddies who went through school and college and even joined the army together. War (2)\_\_\_\_\_and they were (3)\_\_\_\_\_in the same unit. One night they were ambushed. Bullets were flying (4)\_\_\_\_\_and out of the darkness came a voice, "Harry, please come and help me". Harry (5)\_\_\_\_\_recognised that voice of his childhood buddy.

**SubQuestion No : 18**

**Q.18 Select the most appropriate option to fill in blank 3.**

Ans  1. fought  
 2. fights  
 3. fighting  
 4. fight

Question ID : 26433063746

Status : Answered

Chosen Option : 3

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There were two (1)\_\_\_\_\_buddies who went through school and college and even joined the army together. War (2)\_\_\_\_\_and they were (3)\_\_\_\_\_in the same unit. One night they were ambushed. Bullets were flying (4)\_\_\_\_\_and out of the darkness came a voice, "Harry, please come and help me". Harry (5)\_\_\_\_\_recognised that voice of his childhood buddy.

**SubQuestion No : 19**

**Q.19 Select the most appropriate option to fill in blank 4.**

Ans  1. up and over  
 2. over  
 3. above  
 4. all over

Question ID : 26433063747

Status : Answered

Chosen Option : 4

**Comprehension:**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

There were two (1)\_\_\_\_\_buddies who went through school and college and even joined the army together. War (2)\_\_\_\_\_and they were (3)\_\_\_\_\_in the same unit. One night they were ambushed. Bullets were flying (4)\_\_\_\_\_and out of the darkness came a voice, "Harry, please come and help me". Harry (5)\_\_\_\_\_recognised that voice of his childhood buddy.

**SubQuestion No : 20**

**Q.20** Select the most appropriate option to fill in blank 5.

Ans  1. initially

2. actually

3. immediately

4. suddenly

Question ID : 26433063748

Status : Answered

Chosen Option : 3

**Comprehension:**

Read the given passage and answer the questions that follow.

Shikshayatan – a school started in 1994 at Arasanankadu, a village near Kumbakonam in Tamil Nadu, with just 15 children by Mr. Raghavan, a chartered accountant, and his wife Aruna, an M.Phil in English – sets a model for both teachers and learners. The teachers here believe that learning is a form of play. They prove that learning can be made interesting and enjoyable. Most of the teaching material are produced by the teachers, who customise their teaching aids to suit their students' needs and abilities. Health and nutrition of the children get priority. This ensures the children have the physical energy required for learning. Nutritional and medical supplements are provided to the needy. Free exercise and play are encouraged. Children learn spontaneously when their interest and curiosity are awakened. Teaching is confined to brief periods according to the natural attention span of each child, which is normally 15-30 minutes daily during the first two years. It is never extended beyond the child's span of interest

**SubQuestion No : 21**

**Q.21** Select the most appropriate synonym for the word 'Customise'

Ans  1. Readymade

2. Level

3. Break

4. Alter

Question ID : 26433063732

Status : Answered

Chosen Option : 4

**Comprehension:**

Read the given passage and answer the questions that follow.

Shikshayatan – a school started in 1994 at Arasanankadu, a village near Kumbakonam in Tamil Nadu, with just 15 children by Mr. Raghavan, a chartered accountant, and his wife Aruna, an M.Phil in English – sets a model for both teachers and learners. The teachers here believe that learning is a form of play. They prove that learning can be made interesting and enjoyable. Most of the teaching material are produced by the teachers, who customise their teaching aids to suit their students' needs and abilities. Health and nutrition of the children get priority. This ensures the children have the physical energy required for learning. Nutritional and medical supplements are provided to the needy. Free exercise and play are encouraged. Children learn spontaneously when their interest and curiosity are awakened. Teaching is confined to brief periods according to the natural attention span of each child, which is normally 15-30 minutes daily during the first two years. It is never extended beyond the child's span of interest

**SubQuestion No : 22**

**Q.22 Why is free exercise and play encouraged for children?**

Ans  1. Because children need physical energy for better learning  
 2. Because children have games period  
 3. Because children need physical energy to make their body fit  
 4. Because children like to play games

Question ID : 26433063733

Status : Answered

Chosen Option : 1

**Comprehension:**

Read the given passage and answer the questions that follow.

Shikshayatan – a school started in 1994 at Arasanankadu, a village near Kumbakonam in Tamil Nadu, with just 15 children by Mr. Raghavan, a chartered accountant, and his wife Aruna, an M.Phil in English – sets a model for both teachers and learners. The teachers here believe that learning is a form of play. They prove that learning can be made interesting and enjoyable. Most of the teaching material are produced by the teachers, who customise their teaching aids to suit their students' needs and abilities. Health and nutrition of the children get priority. This ensures the children have the physical energy required for learning. Nutritional and medical supplements are provided to the needy. Free exercise and play are encouraged. Children learn spontaneously when their interest and curiosity are awakened. Teaching is confined to brief periods according to the natural attention span of each child, which is normally 15-30 minutes daily during the first two years. It is never extended beyond the child's span of interest

**SubQuestion No : 23**

**Q.23 Why is teaching confined to short periods?**

Ans  1. Because children need to participate in co circular activities  
 2. Because children cannot sit with concentration beyond their span of interest  
 3. Because children can learn more concepts  
 4. Because children need to participate in physical activities

Question ID : 26433063734

Status : Answered

Chosen Option : 4

**Comprehension:**

Read the given passage and answer the questions that follow.

Shikshayatan – a school started in 1994 at Arasanankadu, a village near Kumbakonam in Tamil Nadu, with just 15 children by Mr. Raghavan, a chartered accountant, and his wife Aruna, an M.Phil in English – sets a model for both teachers and learners. The teachers here believe that learning is a form of play. They prove that learning can be made interesting and enjoyable. Most of the teaching material are produced by the teachers, who customise their teaching aids to suit their students' needs and abilities. Health and nutrition of the children get priority. This ensures the children have the physical energy required for learning. Nutritional and medical supplements are provided to the needy. Free exercise and play are encouraged. Children learn spontaneously when their interest and curiosity are awakened. Teaching is confined to brief periods according to the natural attention span of each child, which is normally 15-30 minutes daily during the first two years. It is never extended beyond the child's span of interest

**SubQuestion No : 24**

**Q.24 Why do the teachers at Shikshayatan believe that learning can be done by the play-way method?**

**Ans**

- 1. Because they feel learning can be done in the play ground
- 2. Because they feel learning can be done only in the class room
- 3. Because they feel learning can be made interesting and enjoyable
- 4. Because they feel learning can be made easy through cartoons

Question ID : 26433063730

Status : Answered

Chosen Option : 3

**Comprehension:**

Read the given passage and answer the questions that follow.

Shikshayatan – a school started in 1994 at Arasanankadu, a village near Kumbakonam in Tamil Nadu, with just 15 children by Mr. Raghavan, a chartered accountant, and his wife Aruna, an M.Phil in English – sets a model for both teachers and learners. The teachers here believe that learning is a form of play. They prove that learning can be made interesting and enjoyable. Most of the teaching material are produced by the teachers, who customise their teaching aids to suit their students' needs and abilities. Health and nutrition of the children get priority. This ensures the children have the physical energy required for learning. Nutritional and medical supplements are provided to the needy. Free exercise and play are encouraged. Children learn spontaneously when their interest and curiosity are awakened. Teaching is confined to brief periods according to the natural attention span of each child, which is normally 15-30 minutes daily during the first two years. It is never extended beyond the child's span of interest

**SubQuestion No : 25**

**Q.25 Select the most appropriate ANTONYM for the word 'Spontaneously'**

**Ans**

- 1. Unplanned
- 2. Automatically
- 3. Naturally
- 4. Intended

Question ID : 26433063731

Status : Answered

Chosen Option : 4

Section : Quantitative Aptitude

**Q.1 If A : B = 3 : 4, B : C = 5 : 6, and C : D = 12 : 17, what is A : D?**

**Ans**

- 1. 13 : 31
- 2. 17 : 37
- 3. 15 : 34
- 4. 30 : 34

Question ID : 26433058224

Status : Answered

Chosen Option : 3

Q.2 If O is the orthocentre of a  $\triangle ABC$  and  $\angle BOC=140^\circ$ , then the measure of  $\angle BAC$  is:

Ans  1.  $45^\circ$   
 2.  $40^\circ$   
 3.  $30^\circ$   
 4.  $60^\circ$

Question ID : 26433061091

Status : Answered

Chosen Option : 2

Q.3 In a  $\triangle ABC$ , a line DE is drawn from D point on AB to E point on AC such that DE is parallel to BC. Also  $AD : DB$  is  $2 : 5$ . If AC is 4.2 cm, then what is the length of AE?

Ans  1. 1.2 cm  
 2. 3.5 cm  
 3. 0.9 cm  
 4. 2.5 cm

Question ID : 26433058812

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.4 Anil deposited Rs.8,000 in a two-year fixed deposit scheme on compound interest compounded annually at 5% per annum. Find the maturity value of the fixed deposit.

Ans  1. Rs.8,820  
 2. Rs.8,450  
 3. Rs.8,680  
 4. Rs.8,900

Question ID : 26433065287

Status : Answered

Chosen Option : 1

Q.5 If A is 25% more than B and B is 15% less than C, then A:B:C= ?

Ans  1. 85 : 68 : 80  
 2. 75 : 81 : 69  
 3. 83 : 87 : 69  
 4. 83 : 81 : 67

Question ID : 26433066300

Status : Answered

Chosen Option : 1

Q.6 Simplify the following product:

$$\left(x + \frac{1}{x}\right) \left(x - \frac{1}{x}\right) \left(x^2 + \frac{1}{x^2}\right)$$

Ans

1.  $\left(x + \frac{1}{x}\right)^4$

2.  $\left(x - \frac{1}{x}\right)^4$

3.  $x^4 + \frac{1}{x^4}$

4.  $x^4 - \frac{1}{x^4}$

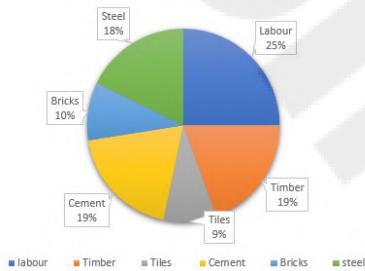
Question ID : 26433058446

Status : Answered

Chosen Option : 4

Q.7 The following pie-chart represents a total expenditure of ₹2,28,000 on different items in constructing a house in a town.

Total Expenditure is ₹2,28,000.



What is the total expenditure done on Steel, Cement and Tiles?

Ans

1. Rs.1,06,560

2. Rs.1,04,880

3. Rs.1,24,520

4. Rs.1,34,560

Question ID : 26433063808

Status : Answered

Chosen Option : 2

Q.8 A man's average driving speed for 9 hours is 72 km/h. During the first 3 hours of his journey, he drove at 54 km/h, and for the next 2 hours and 15 minutes, he drove at a speed of 68 km/h. He maintained a speed of 90 km/h for another 3 hours. What was his speed (in km/h) for the last 45 minutes?

Ans

1. 75

2. 84

3. 93

4. 72

Question ID : 26433061908

Status : Answered

Chosen Option : 2

Q.9 Raj can build a house in 16 days by himself, while Suraj can do it in 12 days. Raj and Suraj work on alternate days. How many days would the house take to build if Raj starts working on the first day?

Ans  1. 13

2.  $11\frac{1}{4}$

3.  $13\frac{3}{4}$

4. 11

Question ID : 26433057145

Status : Answered

Chosen Option : 3

Q.10 Which of the following numbers is divisible by 72?

Ans  1. 23724128

2. 35127918

3. 24127812

4. 22112136

Question ID : 26433061119

Status : Answered

Chosen Option : 4

Q.11 Determine the list price of an item if a 20% discount on the item amounts to Rs.50.

Ans  1. Rs.200

2. Rs.250

3. Rs.260

4. Rs.210

Question ID : 26433066375

Status : Answered

Chosen Option : 2

Q.12 The average of 10 numbers is 47. What should be the 11th number added to them to make the average 53?

Ans  1. 412

2. 113

3. 312

4. 211

Question ID : 26433061061

Status : Answered

Chosen Option : 2

Q.13 When a number is divided by 296, the remainder is 75. What will be the remainder when the same number is divided by 37?

Ans  1. 19

2. 1

3. 12

4. 23

Question ID : 26433057114

Status : Answered

Chosen Option : 2

Q.14 Find the mean proportional between 0.4 and 3.6.

Ans  1. 1.4

2. 1.2

3. 1

4. 0.8

Question ID : 26433056319

Status : Answered

Chosen Option : 2

Q.15 The height of a cylinder and its volume are 15 cm and  $2310 \text{ cm}^3$ , respectively. Find the total surface area.

Ans  1.  $968 \text{ cm}^2$

2.  $452 \text{ cm}^2$

3.  $660 \text{ cm}^2$

4.  $248 \text{ cm}^2$

Question ID : 26433058915

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.16 40 men can complete a work in 15 days. Five days after they started working, 10 more men joined them. In how many days will the total work be completed?

Ans  1. 12

2. 13

3. 14

4. 11

Question ID : 26433058692

Status : Answered

Chosen Option : 2

Q.17 When 44 is subtracted from a number; it reduces to its 60%. Three-fifth of that number is:

Ans  1. 40

2. 66

3. 44

4. 60

Question ID : 26433062628

Status : Answered

Chosen Option : 2

Q.18 The value of  $\cot(-315^\circ)$  is :

Ans  1.  $-\sqrt{3}$

2.  $\sqrt{3}$

3. 1

4. -1

Question ID : 26433057162

Status : Answered

Chosen Option : 3

**Q.19** A businessman marks up the price of his goods by 25% and gives a discount of 5% to the customer. He also uses a 950 gm weight instead of a 1000 gm weight. Find his overall profit percentage.

Ans  1. 25%

2. 15%

3. 12%

4. 20%

Question ID : 26433061143

Status : Answered

Chosen Option : 1

**Q.20** If  $2x + \frac{1}{3x} = 12$ , find  $9x^2 + \frac{1}{4x^2}$ .

Ans  1. 142

2. 324

3. 321

4. 327

Question ID : 26433061783

Status : Answered

Chosen Option : 1

**Q.21** A thief was spotted by a policeman at a distance of 1200 m and he started chasing him. The thief ran 6.4 km in 52 minutes and the policeman also ran the same distance in 40 minutes. Find the distance the thief had run before he was caught.

Ans  1. 3.0 km

2. 3.5 km

3. 4 km

4. 2.5 km

Question ID : 26433061166

Status : Not Answered

Chosen Option : --

**Q.22** A shopkeeper purchases supplies from a supplier. The supplier sells 750 units of bags to the shopkeeper after gaining the sale price of 125 units of bags. What is the gain percentage of the supplier?

Ans  1. 16%

2. 20%

3. 22%

4. 15%

Question ID : 26433058213

Status : Not Answered

Chosen Option : --

**Q.23** The average weight of 32 students is 70 kg. If the weight of the teacher is also included, the average weight of the class becomes 70.5 kg. Calculate the weight of the teacher.

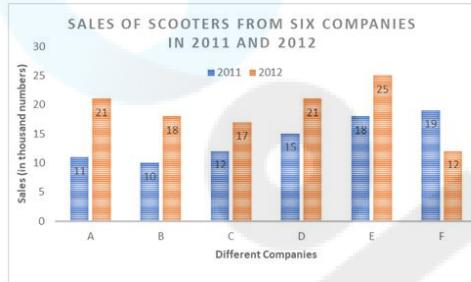
Ans  1. 86.5 kg  
 2. 88.5 kg  
 3. 84.5 kg  
 4. 82.5 kg

Question ID : 26433061127

Status : Answered

Chosen Option : 1

**Q.24** The following bar graph shows the sales (in thousand numbers) of scooters from six different companies in 2011 and 2012.



The total sales of company B for both the years are what percentage of the total sales of company E for both the years?

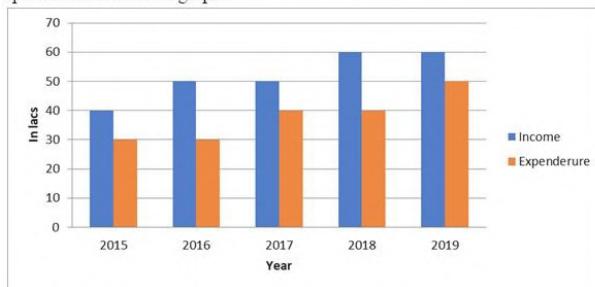
Ans  1. 64.90%  
 2. 61.80%  
 3. 62.50%  
 4. 65.12%

Question ID : 26433064944

Status : Answered

Chosen Option : 4

**Q.25** The following graph shows the income and expenditure of a company. Study the graph carefully and answer the question based on the graph.



The difference between the profits in 2015 and 2016 is :

Ans  1. Rs.1 lac  
 2. Rs.20 lacs  
 3. Rs.15 lacs  
 4. Rs.10 lacs

Question ID : 26433064042

Status : Answered

Chosen Option : 4

**Q.1 Who among the following was the Viceroy of India when the Indian Universities Act was passed in 1904?**

Ans  1. Lord Chelmsford  
 2. Lord Hardinge  
 3. Lord Curzon  
 4. Lord Minto

Question ID : 26433055019

Status : Answered

Chosen Option : 3

**Q.2 Which Amendment to the Constitution Act led to establishment of National Judicial Appointments Commission in India?**

Ans  1. 95<sup>th</sup> Amendment  
 2. 99<sup>th</sup> Amendment  
 3. 96<sup>th</sup> Amendment  
 4. 97<sup>th</sup> Amendment

Question ID : 26433064719

Status : Answered

Chosen Option : 2

**Q.3 Sri Lanka got independence in the year:**

Ans  1. 1948  
 2. 1950  
 3. 1947  
 4. 1949

Question ID : 26433066608

Status : Answered

Chosen Option : 4

**Q.4 Neeraj Chopra first set the senior national record during the 2016 South Asian Games held at \_\_\_\_\_.**

Ans  1. Imphal  
 2. Itanagar  
 3. Guwahati  
 4. Kohima

Question ID : 26433054856

Status : Answered

Chosen Option : 1

**Q.5 What has been abolished under Article 17 of the Constitution of India by declaring its practice a legal offence?**

Ans  1. Unemployment  
 2. Untouchability  
 3. Child labour  
 4. Double punishment

Question ID : 26433054898

Status : Answered

Chosen Option : 2

Q.6 India can be divided into how many physiographic regions?

Ans  1. 7  
 2. 4  
 3. 6  
 4. 5

Question ID : 26433054957

Status : Answered

Chosen Option : 3

Q.7 In 2021, who among the following was awarded the 12th Kalasagar Awards for exemplary contribution to the field of Mohiniyattam?

Ans  1. Sandhya Rajan  
 2. Sunanda Nair  
 3. Gopika Rajan  
 4. Krishna Panicker

Question ID : 26433054854

Status : Answered

Chosen Option : 2

Q.8 Who among the following is the author of the book titled 'Selection Day'?

Ans  1. Nissim Ezekiel  
 2. Vikram Seth  
 3. Aravind Adiga  
 4. Amitav Ghosh

Question ID : 26433054844

Status : Answered

Chosen Option : 3

Q.9 Which of the following dance forms is NOT associated with the state of Jharkhand?

Ans  1. Dhimsa  
 2. Jamda  
 3. Karma  
 4. Paika

Question ID : 26433054867

Status : Answered

Chosen Option : 2

Q.10 Article 263 of the Indian Constitution relates to the establishment of \_\_\_\_\_.

Ans  1. Inter-State Council  
 2. Backward Classes Commission  
 3. Election Commission of India  
 4. State Election Commission

Question ID : 26433055179

Status : Answered

Chosen Option : 1

# Shubham Sir Maths

Q.11 As per the Union Budget 2022-23, the launch of blockchain based digital rupee is proposed to start from \_\_\_\_\_.

Ans  1. 2024-25

2. 2022-23

3. 2023-24

4. 2025-26

Question ID : 26433054820

Status : Not Answered

Chosen Option : --

Q.12 What is the original name of the Empress of India Act and when was it instituted?

Ans  1. The Royalty Act of 1876

2. The Royal Titles Act of 1876

3. The Royal Titles Act of 1877

4. The Titles Act of 1875

Question ID : 26433055530

Status : Not Answered

Chosen Option : --

Q.13 Sammakka-Sarakka Jatara is celebrated in which of the following states of India?

Ans  1. Odisha

2. Tamil Nadu

3. Telangana

4. Chhattisgarh

Question ID : 26433054876

Status : Answered

Chosen Option : 3

Q.14 The United Nations estimated the number of poor people in India to be around \_\_\_\_\_ million in 2019.

Ans  1. 364

2. 200

3. 150

4. 64

Question ID : 26433054965

Status : Not Answered

Chosen Option : --

Q.15 King Porus and Alexander the Great fought which battle?

Ans  1. Battle of Hydaspes

2. Battle of Hydasperium

3. Battle of Hydasperia

4. Battle of Hyphasis

Question ID : 26433055521

Status : Answered

Chosen Option : 1

Q.16 Eugenol is a major component of:

Ans  1. turmeric  
 2. ginger  
 3. clove essential oil  
 4. tamarind

Question ID : 26433064173

Status : Not Answered

Chosen Option : --

Q.17 Who among the following inaugurated the Dredging Museum 'Nikarshan Sadan' at Vishakhapatnam in February 2022?

Ans  1. Sarbananda Sonowal  
 2. Nitin Jairam Gadkari  
 3. Dharmendra Pradhan  
 4. Amit Shah

Question ID : 26433061840

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.18 Which chemical element of the halogen group is a light greenish-yellow highly toxic gas with atomic number 17?

Ans  1. Astatine  
 2. Iodine  
 3. Bromine  
 4. Chlorine

Question ID : 26433055085

Status : Answered

Chosen Option : 4

Q.19 According to Department of Foreign Affairs and Trade, by 2030, transport will have attracted how much per cent of the infrastructural investment in India?

Ans  1. 60%  
 2. 50%  
 3. 70%  
 4. 40%

Question ID : 26433054953

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.20 Dantidurga was associated with which of the following ruling dynasties of the early medieval India?

Ans  1. Rashtrakuta  
 2. Pala  
 3. Hoysala  
 4. Chola

Question ID : 26433055604

Status : Not Answered

Chosen Option : --

Q.21 Pandit Ram Narayan was a popular \_\_\_\_\_ player who is credited with making the instrument as a solo concert instrument.

Ans  1. Ghatam  
 2. Mridangam  
 3. Alghoza  
 4. Sarangi

Question ID : 26433054849

Status : Answered

Chosen Option : 4

Q.22 The Bharhut Stupa is located in which of the following Indian states?

Ans  1. Uttar Pradesh  
 2. Madhya Pradesh  
 3. Bihar  
 4. Andhra Pradesh

Question ID : 26433054878

Status : Answered

Chosen Option : 3

Q.23 Which of the following is an igneous rock usually composed of the minerals quartz, feldspar and mica that is formed when hot molten rock cools relatively slowly underground?

Ans  1. Granite  
 2. Siltstone  
 3. Gneiss  
 4. Amphibolite

Question ID : 26433055157

Status : Answered

Chosen Option : 1

Q.24 The 'Vikramshila University' in Bihar was founded by which of the following kings?

Ans  1. Gopala II  
 2. Devapala  
 3. Dharampala  
 4. Gopala I

Question ID : 26433055006

Status : Answered

Chosen Option : 3

Q.25 Which of the following is an example of perishable foods that CANNOT be stored for more than a day or two at room temperature, i.e., they have a shelf life of 1 or 2 days?

Ans  1. Biscuits  
 2. Milk  
 3. Dry fruits  
 4. Spices

Question ID : 26433055809

Status : Answered

Chosen Option : 2