

Phase X/2022/Selection Posts and Selection Posts/Ladakh/2022

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

Section : General Intelligence

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Q.1 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. (19, 4, 290)

3. (26, 8, 420)

4. (27, 6, 405)

Question ID : 26433057513

Status : Answered

Chosen Option : 4

Q.2 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. EFTP

2. GFUN

3. GDWN

4. EFUP

Question ID : 26433057716

Status : Answered

Chosen Option : 4

Q.3 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.4 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 conclusions II and III follow.
 - 2. Only conclusion II follows.
 - 3. Only conclusions I and II follow.
 - 4. Only conclusion III follows.

Question ID : 26433057847
Status : Answered
Chosen Option : 2

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 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. $\times, =, -, +$
 - 2. $\div, \times, =, \times$
 - 3. $\times, \div, =, -$
 - 4. $\div, \times, =, -$

Question ID : 26433057359
Status : Answered
Chosen Option : 2

Q.7 Which of the following letter-clusters will replace the question mark (?) in the given series?
UHS, OJQ, ILO, ENM, ?

- Ans
- 1. APK
 - 2. APL
 - 3. BPK
 - 4. AOK

Question ID : 26433057193
Status : Answered
Chosen Option : 2

Q.8 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.9 Which of the following numbers will replace the question mark (?) in the given series?
191, 174, 165, 148, 139, ?

Ans 1. 125
 2. 120
 3. 122
 4. 128

Question ID : 26433057542
Status : Answered
Chosen Option : 3

Q.10 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-in-law
 2. Mother
 3. Sister
 4. Grandmother

Question ID : 26433057696
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. Both conclusions I and II follow.
 2. Neither conclusion I nor II follows.
 3. Only conclusion II follows.
 4. Only conclusion I follows.

Question ID : 26433057840
Status : Answered
Chosen Option : 3

Q.12 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. Madhya Pradesh
 - 3. Uttar Pradesh
 - 4. Jharkhand

Question ID : 26433057960
 Status : Answered
 Chosen Option : 4

Q.13 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: WLTV :: LAST: ?

- Ans
- 1. NUCI
 - 2. OZHG
 - 3. PZIG
 - 4. NZGG

Question ID : 26433057488
 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.

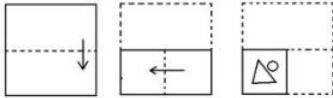
Question ID : 26433057421
 Status : Answered
 Chosen Option : 2

Q.15 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. CLCYM
 4. CLYCJ

Question ID : 26433057756
 Status : Answered
 Chosen Option : 1

Q.16 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

- 1.
- 2.
- 3.
- 4.

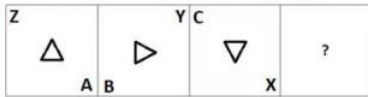
Question ID : 26433057408
 Status : Answered
 Chosen Option : 2

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

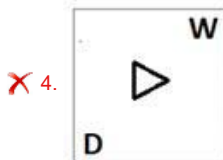
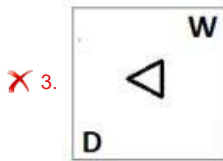
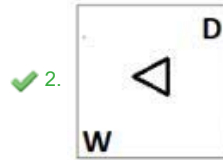
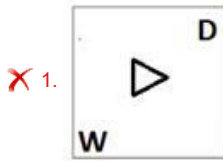
- Ans 1. Kfvqzn
 2. KfvpyN
 3. KfvPzn
 4. KfwPzn

Question ID : 26433057259
 Status : Answered
 Chosen Option : 3

Q.18 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 : 2

Q.19 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. 3, 4, 5, 1, 2
 - ✗ 2. 3, 5, 1, 4, 2
 - ✗ 3. 1, 2, 3, 4, 5
 - ✗ 4. 4, 1, 5, 2, 3

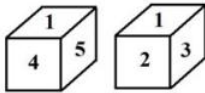
Question ID : 26433057882
 Status : Answered
 Chosen Option : 1

Q.20 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. 14-5-3-10
 - ✓ 2. 14-5-3-11
 - ✗ 3. 13-5-3-10
 - ✗ 4. 13-5-3-11

Question ID : 26433057896
 Status : Answered
 Chosen Option : 2

Q.21 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. 6
 - 2. 4
 - 3. 1
 - 4. 3

Question ID : 26433057362
Status : Answered
Chosen Option : 4

Q.22 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. IRYQS
 - 2. HRXQS
 - 3. IRXQS
 - 4. JQXQS

Question ID : 26433057275
Status : Answered
Chosen Option : 3

Q.23 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. Sister
 - 2. Daughter-in-law
 - 3. Daughter
 - 4. Mother

Question ID : 26433057722
Status : Answered
Chosen Option : 2

Q.24 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. 21181014
 - 4. 21810142

Question ID : 26433065599
Status : Answered
Chosen Option : 1

Q.25 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

Section : English Language

Q.1 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. snapped
 - 3. stifled
 - 4. lulled

Question ID : 26433055452
Status : Answered
Chosen Option : 3

Q.2 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. ones of the worse habit
 - 2. No substitution required
 - 3. one of the bad habits
 - 4. one of the worse habit

Question ID : 26433063542
Status : Answered
Chosen Option : 3

Q.3 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 : 3

Q.4 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. BDAC
 - 2. BACD
 - 3. CDBA
 - 4. BCDA

Question ID : 26433058352
Status : Answered
Chosen Option : 2

Q.5 Select the option that expresses the given sentence in active voice.

The allegation was dismissed by the minister.

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

Question ID : 26433063604
Status : Answered
Chosen Option : 4

Q.6 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 in feelings.
 - 3. I told him my more inner feelings.
 - 4. I told him my innermost feelings.

Question ID : 26433055443
Status : Answered
Chosen Option : 1

Q.7 Select the option that expresses the given sentence in passive voice.

Fredrick had submitted all the pending assignments by Wednesday.

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

Question ID : 26433055876
Status : Answered
Chosen Option : 3

Q.8 Select the INCORRECTLY spelt word.

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

Question ID : 26433055458
Status : Answered
Chosen Option : 2

Q.9 Select the most appropriate meaning of the underlined word in a sentence.

The eagle seized its prey in a tenacious grip.

- Ans
- 1. passive
 - 2. persistent
 - 3. timorous
 - 4. flexible

Question ID : 26433056001
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. will not be sanctioned to copy
 - 2. are not sanction to be copying
 - 3. can not sanction to copying
 - 4. will not sanction copying

Question ID : 26433055986
Status : Answered
Chosen Option : 4

Q.11 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. fragrant; outgoing
 - 2. flagrant; outrageous
 - 3. obscure; outstanding
 - 4. magnificent; outlandish

Question ID : 26433065187
Status : Answered
Chosen Option : 2

Q.12 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, "Where 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, "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 : 3

Q.13 Select the option that expresses the given sentence in direct speech.
Anne asked whether I knew a good lawyer.

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

Question ID : 26433075448
Status : Answered
Chosen Option : 1

Q.14 Select the most appropriate meaning of the given idiom.

Clear the air

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

Question ID : 26433063645
Status : **Answered**
Chosen Option : 3

Q.15 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. Patricide
 2. Matricide
 3. Genocide
 4. Infanticide

Question ID : 26433055977
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 : 16

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

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

Question ID : 26433063744
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 : 17

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

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

Question ID : 26433063745
Status : Answered
Chosen Option : 2

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. fighting
 - 3. fight
 - 4. fights

Question ID : 26433063746
Status : Answered
Chosen Option : 2

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. above
 - 3. all over
 - 4. over

Question ID : 26433063747
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 : 20

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

- Ans** 1. immediately
 2. actually
 3. initially
 4. suddenly

Question ID : 26433063748
Status : Answered
Chosen Option : 1

Comprehension:

Read the given passage and answer the questions that follow.

Shikshayatan – a school started in 1994 at Arasavanankadu, 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 ANTONYM for the word 'Spontaneously'

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

Question ID : 26433063731
Status : Answered
Chosen Option : 2

Comprehension:

Read the given passage and answer the questions that follow.

Shikshayatan – a school started in 1994 at Arasavanankadu, 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 do the teachers at Shikshayatan believe that learning can be done by the play-way method?

- Ans**
- 1. Because they feel learning can be made easy through cartoons
 - 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 done in the play ground

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 Arasavanankadu, 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 physical 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 co circular activities

Question ID : 26433063734

Status : Answered

Chosen Option : 2

Comprehension:

Read the given passage and answer the questions that follow.

Shikshayatan – a school started in 1994 at Arasavanankadu, 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 Select the most appropriate synonym for the word 'Customise'

- Ans**
- 1. Alter
 - 2. Break
 - 3. Readymade
 - 4. Level

Question ID : 26433063732

Status : Answered

Chosen Option : 1

Comprehension:

Read the given passage and answer the questions that follow.

Shikshayatan – a school started in 1994 at Arasavanankadu, 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 Why is free exercise and play encouraged for children?

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

Question ID : 26433063733

Status : Answered

Chosen Option : 1

Section : Quantitative Aptitude

Q.1 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. 22%
 - 2. 15%
 - 3. 20%
 - 4. 16%

Question ID : 26433058213

Status : Answered

Chosen Option : 3

Q.2 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. 2.5 cm
 - 3. 3.5 cm
 - 4. 0.9 cm

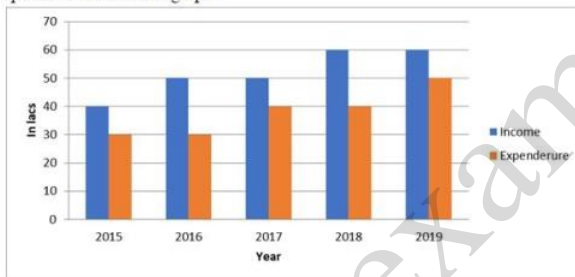
Question ID : 26433058812
Status : Answered
Chosen Option : 1

Q.3 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.4 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.10 lacs
 - 2. Rs.15 lacs
 - 3. Rs.20 lacs
 - 4. Rs.1 lac

Question ID : 26433064042
Status : Answered
Chosen Option : 1

Q.5 The height of a cylinder and its volume are 15 cm and 2310 cm^3 , respectively. Find the total surface area.

- Ans**
- 1. 968 cm^2
 - 2. 660 cm^2
 - 3. 452 cm^2
 - 4. 248 cm^2

Question ID : 26433058915
Status : Answered
Chosen Option : 2

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

✗ 3. $\left(x - \frac{1}{x}\right)^4$

✓ 4. $x^4 - \frac{1}{x^4}$

Question ID : 26433058446
Status : Answered
Chosen Option : 4

Q.7 Which of the following numbers is divisible by 72?

Ans ✗ 1. 23724128

✗ 2. 24127812

✗ 3. 35127918

✓ 4. 22112136

Question ID : 26433061119
Status : Answered
Chosen Option : 4

Q.8 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. 13

✗ 2. 12

✗ 3. 14

✗ 4. 11

Question ID : 26433058692
Status : Answered
Chosen Option : 1

Q.9 The average of 10 numbers is 47. What should be the 11th number added to them to make the average 53?

Ans ✗ 1. 211

✗ 2. 312

✓ 3. 113

✗ 4. 412

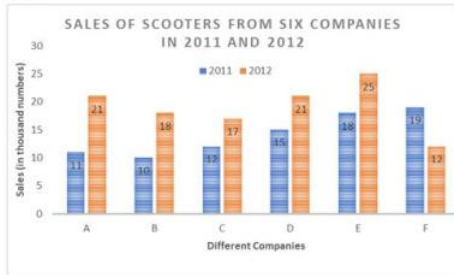
Question ID : 26433061061
Status : Answered
Chosen Option : 3

Q.10 If $2x + \frac{1}{3x} = 12$, find $9x^2 + \frac{1}{4x^2}$.

- Ans
- 1. 324
 - 2. 327
 - 3. 321
 - 4. 142

Question ID : 26433061783
 Status : Answered
 Chosen Option : 3

Q.11 The following bar graph shows the sales (in thousand numbers) of scooters from six different companies in 2011 and 2012.



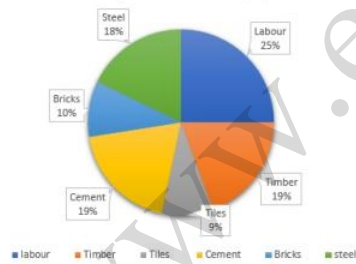
The total sales of company B for both the years are what percentage of the total sales of company E for both the years?

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

Question ID : 26433064944
 Status : Answered
 Chosen Option : 2

Q.12 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.1,04,880
 - 2. Rs.1,06,560
 - 3. Rs.1,24,520
 - 4. Rs.1,34,560

Question ID : 26433063808
 Status : Answered
 Chosen Option : 1

Q.13 When 44 is subtracted from a number; it reduces to its 60%. Three-fifth of that number is:

- Ans 1. 40
 2. 60
 3. 66
 4. 44

Question ID : 26433062628
Status : Answered
Chosen Option : 3

Q.14 Determine the list price of an item if a 20% discount on the item amounts to Rs.50.

- Ans 1. Rs.200
 2. Rs.210
 3. Rs.250
 4. Rs.260

Question ID : 26433066375
Status : Answered
Chosen Option : 3

Q.15 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.8,900
 2. Rs.8,680
 3. Rs.8,820
 4. Rs.8,450

Question ID : 26433065287
Status : Answered
Chosen Option : 3

Q.16 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. 2.5 km
 2. 4 km
 3. 3.0 km
 4. 3.5 km

Question ID : 26433061166
Status : Answered
Chosen Option : 2

Q.17 If A is 25% more than B and B is 15% less than C, then A:B:C = ?

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

Question ID : 26433066300
Status : Answered
Chosen Option : 3

Q.18 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. 72
 - 3. 93
 - 4. 84

Question ID : 26433061908
Status : Answered
Chosen Option : 4

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. 20%
 - 4. 12%

Question ID : 26433061143
Status : Answered
Chosen Option : 1

Q.20 If O is the orthocentre of a $\triangle ABC$ and $\angle BOC = 140^\circ$, then the measure of $\angle BAC$ is:

- Ans
- 1. 40°
 - 2. 60°
 - 3. 30°
 - 4. 45°

Question ID : 26433061091
Status : Answered
Chosen Option : 1

Q.21 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. 1
 - 2. 19
 - 3. 23
 - 4. 12

Question ID : 26433057114
Status : Answered
Chosen Option : 1

Q.22 Find the mean proportional between 0.4 and 3.6.

- Ans
- 1. 1.4
 - 2. 1.2
 - 3. 0.8
 - 4. 1

Question ID : 26433056319
Status : Answered
Chosen Option : 2

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. 88.5 kg
 - 2. 84.5 kg
 - 3. 82.5 kg
 - 4. 86.5 kg

Question ID : 26433061127
Status : Answered
Chosen Option : 4

Q.24 The value of $\cot(-315^\circ)$ is :

- Ans
- 1. $\sqrt{3}$
 - 2. 1
 - 3. -1
 - 4. $-\sqrt{3}$

Question ID : 26433057162
Status : Answered
Chosen Option : 2

Q.25 If $A : B = 3 : 4$, $B : C = 5 : 6$, and $C : D = 12 : 17$, what is $A : D$?

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

Question ID : 26433058224
Status : Answered
Chosen Option : 4

Section : General Awareness

Q.1 Pandit Ram Narayan was a popular _____ player who is credited with making the instrument as a solo concert instrument.

- Ans
- 1. Mridangam
 - 2. Sarangi
 - 3. Ghatam
 - 4. Algoza

Question ID : 26433054849
Status : Answered
Chosen Option : 1

Q.2 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. Milk
 - 2. Dry fruits
 - 3. Spices
 - 4. Biscuits

Question ID : 26433055809
Status : Answered
Chosen Option : 1

Q.3 What is the original name of the Empress of India Act and when was it instituted?

- Ans** 1. The Royal Titles Act of 1877
 2. The Titles Act of 1875
 3. The Royalty Act of 1876
 4. The Royal Titles Act of 1876

Question ID : 26433055530
Status : Answered
Chosen Option : 1

Q.4 Eugenol is a major component of:

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

Question ID : 26433064173
Status : Answered
Chosen Option : 1

Q.5 The Bharhut Stupa is located in which of the following Indian states?

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

Question ID : 26433054878
Status : Answered
Chosen Option : 1

Q.6 In 2021, who among the following was awarded the 12th Kalasagar Awards for exemplary contribution to the field of Mohiniyattam?

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

Question ID : 26433054854
Status : Not Answered
Chosen Option : --

Q.7 King Porus and Alexander the Great fought which battle?

- Ans** 1. Battle of Hydasperium
 2. Battle of Hydaspes
 3. Battle of Hyphasis
 4. Battle of Hydasperia

Question ID : 26433055521
Status : Answered
Chosen Option : 2

Q.8 The 'Vikramshila University' in Bihar was founded by which of the following kings?

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

Question ID : 26433055006
Status : Answered
Chosen Option : 3

Q.9 Who among the following inaugurated the Dredging Museum 'Nikarshan Sadan' at Vishakhapatnam in February 2022?

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

Question ID : 26433061840
Status : Answered
Chosen Option : 1

Q.10 Neeraj Chopra first set the senior national record during the 2016 South Asian Games held at _____.

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

Question ID : 26433054856
Status : Answered
Chosen Option : 4

Q.11 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. Amphibolite
 - 2. Gneiss
 - 3. Siltstone
 - 4. Granite

Question ID : 26433055157
Status : Answered
Chosen Option : 2

Q.12 Who among the following was the Viceroy of India when the Indian Universities Act was passed in 1904?

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

Question ID : 26433055019
Status : Answered
Chosen Option : 1

Q.13 Which Amendment to the Constitution Act led to establishment of National Judicial Appointments Commission in India?

- Ans**
- 1. 97th Amendment
 - 2. 95th Amendment
 - 3. 99th Amendment
 - 4. 96th Amendment

Question ID : 26433064719
Status : Not Answered
Chosen Option : --

Q.14 Which of the following dance forms is NOT associated with the state of Jharkhand?

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

Question ID : 26433054867
Status : Answered
Chosen Option : 2

Q.15 Sri Lanka got independence in the year:

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

Question ID : 26433066608
Status : Answered
Chosen Option : 3

Q.16 Dantidurga was associated with which of the following ruling dynasties of the early medieval India?

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

Question ID : 26433055604
Status : Answered
Chosen Option : 2

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

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

Question ID : 26433055085
Status : Answered
Chosen Option : 1

Q.18 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. 50%
 - 2. 70%
 - 3. 60%
 - 4. 40%

Question ID : 26433054953
Status : Answered
Chosen Option : 2

Q.19 Article 263 of the Indian Constitution relates to the establishment of _____.

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

Question ID : 26433055179
Status : Answered
Chosen Option : 3

Q.20 As per the Union Budget 2022-23, the launch of blockchain based digital rupee is proposed to start from _____.

- Ans
- 1. 2024-25
 - 2. 2025-26
 - 3. 2023-24
 - 4. 2022-23

Question ID : 26433054820
Status : Answered
Chosen Option : 3

Q.21 Sammakka-Sarakka Jatara is celebrated in which of the following states of India?

- Ans
- 1. Chhattisgarh
 - 2. Odisha
 - 3. Telangana
 - 4. Tamil Nadu

Question ID : 26433054876
Status : Answered
Chosen Option : 3

Q.22 Who among the following is the author of the book titled 'Selection Day'?

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

Question ID : 26433054844
Status : Answered
Chosen Option : 2

Q.23 India can be divided into how many physiographic regions?

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

Question ID : 26433054957
Status : Not Answered
Chosen Option : --

Q.24 The United Nations estimated the number of poor people in India to be around _____ million in 2019.

- Ans
- 1. 64
 - 2. 200
 - 3. 364
 - 4. 150

Question ID : 26433054965
Status : Not Answered
Chosen Option : --

Q.25 What has been abolished under Article 17 of the Constitution of India by declaring its practice a legal offence?

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

Question ID : 26433054898
Status : Answered
Chosen Option : 1

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