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| Exam Date | 03/08/2022 |
| Exam Time | 2:30 PM - 3:30 PM |
| Subject | Selection Post Phase X Graduate Level |

Section : **General Intelligence**

**Q.1** **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 conclusions logically follow(s) from the statements.**
**Statement:**
**Some figs are orange.**
**All oranges are grapes.**
**All mangoes are oranges.**
**Conclusions:**
**(I) Some figs are grapes.**
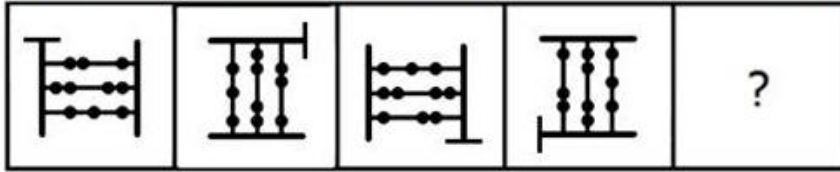**(II) All mangoes are grapes.**
**(III) Some mangoes are figs.**

**Ans** ✗ 1. Both Conclusions I and III follow.

✗ 2. Both Conclusions II and III follow.

✓ 3. Both Conclusions I and II follow.

✗ 4. Only Conclusion I follows.
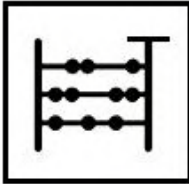
Question ID : **26433068956**
Status : **Answered**
Chosen Option : **3**

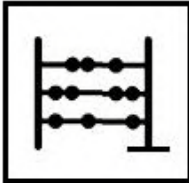**Q.2** Select the figure that will come next in the following figure series.



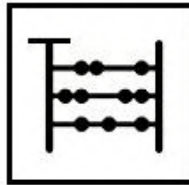**Ans**

✗ 1.



✗ 2.



✔ 3.



✗ 4.
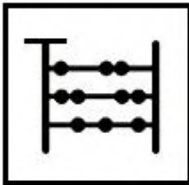
**Q.3** In a certain code language, 'BOTTLE' is written as 'YTGJQY' and 'PLATES' is written as 'FQUXJY'. How will 'PICNIC' be written in that language?

**Ans** ✔ 1. HNUHNS

✗ 2. HNVHMT

✗ 3. HNUHNT

✗ 4. HNVHNS

**Q.4** 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)

Melodious : Discordant :: Novice : ?

**Ans** ✗ 1. Beginner

✗ 2. Sweet

✓ 3. Expert

✗ 4. Ingenious

Question ID : **26433078230**
Status : **Answered**
Chosen Option : **3**

**Q.5** 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.)
Pen : Ink :: Pencil : ?_____

**Ans** ✓ 1. Lead

✗ 2. Nib

✗ 3. Write

✗ 4. Colour

Question ID : **26433067561**
Status : **Answered**
Chosen Option : **1**
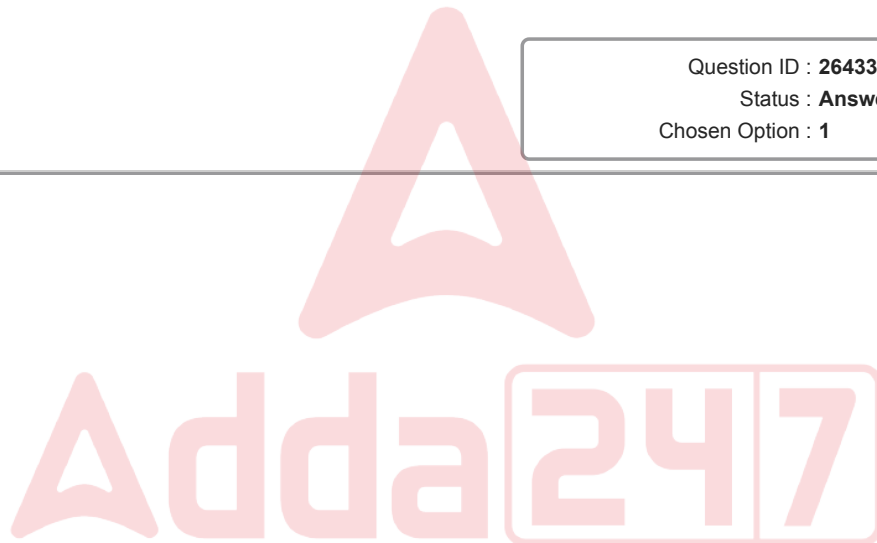
**Q.6** Select the option figure in which the given figure is embedded (rotation is NOT allowed).



**Ans**

✗ 1.



✗ 2.



✓ 3.



✗ 4.
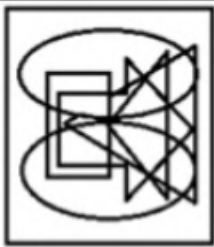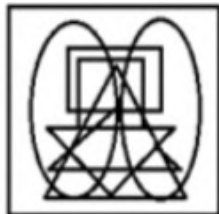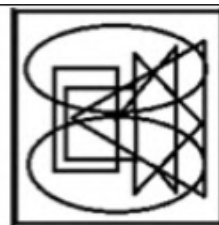
**Q.7** Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

**Bird : Nest**

**Ans** ✗ 1. King : Flat

✓ 2. Bee : Hive

✗ 3. Watchman : Prison

✗ 4. Pig : Stable

**Q.8** Select the set in which the numbers are related in the same way as are the numbers of the following set.
(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)
(4, 2, 8)
(15, 11, 64)

**Ans** ✗ 1. (29,19,729)

✓ 2. (45,40,125)

✗ 3. (11,7,81)

✗ 4. (17,10,1331)

**Q.9** In a code language, 'BRACKET' is written as 'VGMECTD' and 'PLUSH' is written as 'JUWNR'. How will 'VIABLE' be written in that language?

**Ans** ✗ 1. GMDCKX

✓ 2. GNDCKX

✗ 3. GNECKX

✗ 4. GNDDKX
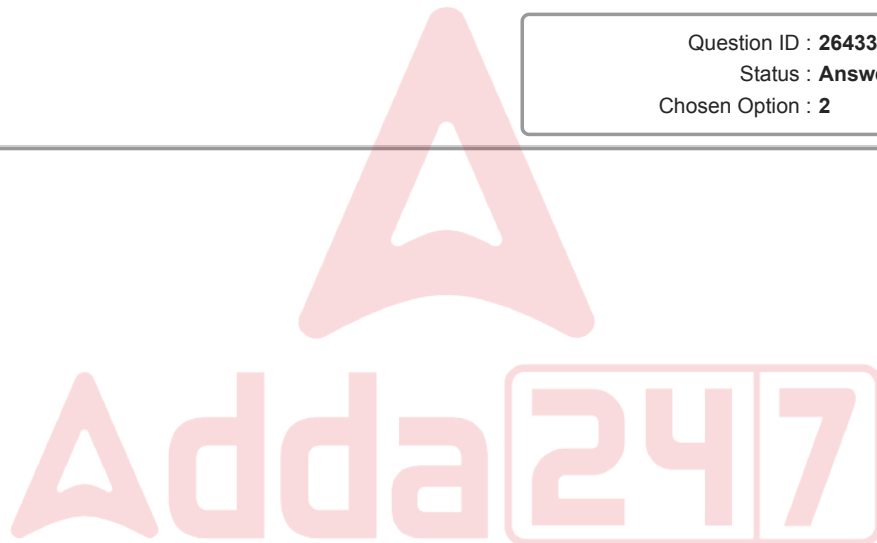
**Q.10** Select the option in which the given figure is embedded (rotation is NOT allowed).



**Ans**

✘ 1.



✘ 2.



✘ 3.
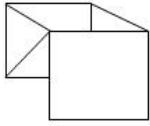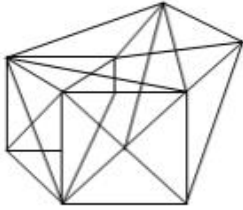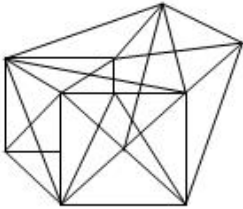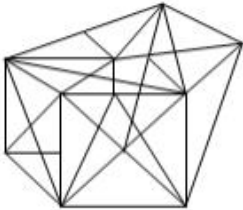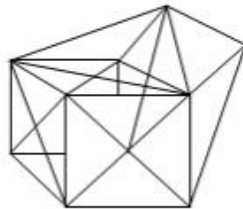


✔ 4.

**Q.11** Three statements are followed by three conclusions numbered I, II and III. You have to consider these statements to be true, even if they seem to be at have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statements.

**Statements:**
No bench is a table.
No board is a bench.
Some benches are chalks.

**Conclusions:**
(I) Some chalks are benches.
(II) Some chalks are not tables.
(III) Some chalks are not boards.

**Ans** ✘ 1. Only conclusion I follows

✘ 2. Only conclusion II follows.

✔ 3. Conclusions I, II and III follow

✘ 4. Either conclusion I or conclusion III follows.

**Q.12** Which of the following numbers will replace the question mark (?) in the given series?
98, 97, 101, 92, ?

**Ans** ✗ 1. 91

✗ 2. 104

✗ 3. 93

✓ 4. 108

**Q.13** Which letter-cluster will replace the question mark (?) and complete the given series?
CZAR, EXCP, ?, ITGL, KRIJ

**Ans** ✓ 1. GVEN

✗ 2. GWDN

✗ 3. GWEM

✗ 4. GWEN

**Q.14** If,
'B % D' means 'B is the brother of D',
'B & D' means 'B is the mother of D',
'B × D' means 'B is the husband of D',
'B # D' means 'B is the sister of D',
'B $ D' means 'B is the son of D',
'B @ D' means 'B is the father of D',
then how is P related to U in the following expression?
P $ Q × R # S % T $ U

**Ans** ✗ 1. Son

✗ 2. Great-grandson

✗ 3. Nephew

✓ 4. Grandson

**Q.15** In a certain code language, 'water is odourless' is written as '34 56 78', 'air is colourless' is written as '56 01 67' and 'water and air' is written as '67 78 45'. What is the code for the word 'odourless' in that language?

**Ans** ✗ 1. 78

✗ 2. 67

✗ 3. 56

✓ 4. 34

**Q.16** In a certain code language, 'MOSQUE' is written as '92', 'TEMPLE' is written as '111', how will 'CHURCH' be written in that language?

**Ans** ✓ 1. 121

✗ 2. 125

✗ 3. 128

✗ 4. 118

**Q.17** Select the option that represents the correct order of the given words as they would appear in an English dictionary.(Note: the given words may or may not be meaningful words).
1.Margin
2.Manage
3.Maximum
4.Measurement
5.Marriage

**Ans** ✗ 1. 4, 2, 3, 5, 1

✗ 2. 2, 3, 5, 1, 4

✓ 3. 2, 1, 5, 3, 4

✗ 4. 4, 2, 1, 5, 3

**Q.18** Which two numbers (not the digits of the numbers) and two signs should be interchanged to make the given equation correct?
70 − 4 × 20 + 6 ÷ 5 = 60

**Ans** ✗ 1. 4, 20 and +, ÷

✓ 2. 5, 6 and +, ÷

✗ 3. 4, 70 and +, ÷

✗ 4. 4, 20 and +, ×

**Q.19** Two different positions of the same dice are shown, the six faces of which are numbered 7, 8, 9, 10, 11 and 12.
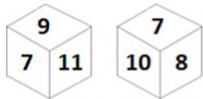


What will be the sum of the number 8 and the number on its opposite face?

**Ans** ✗ 1. 20

✗ 2. 19

✓ 3. 17

✗ 4. 18

**Q.20** Select the option that represents the letters which when sequentially placed from left to right in the blanks below will complete the letter series.

P _ I _ Y _ O _ U Y P _ K U _ P O _ _ Y

Ans    ✗ 1. O U P J O Y K U

      ✗ 2. O V P J O Y K U

      ✗ 3. O U P I O Y L U

      ✔ 4. O U P J O Y L U

Question ID : **26433067541**

Status : **Answered**

Chosen Option : **3**

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**Q.21** In a certain code language, 'COURT' is coded as '5-77', 'CASE' is coded as '4-28'. How will 'LAWYER' be coded in that language?

Ans    ✗ 1. 6-48

      ✗ 2. 7-84

      ✔ 3. 6-84

      ✗ 4. 7-48

Question ID : **26433070334**

Status : **Answered**

Chosen Option : **3**

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**Q.22** Select the option that represents the correct order of the given words as they would appear in an English dictionary.
1. Evacuate
2. European
3. Etymologist
4. Eudemonic
5. Eurotium
6. Eucalypt

Ans    ✔ 1. 3, 6, 4, 2, 5, 1

      ✗ 2. 3, 6, 4, 2, 1, 5

      ✗ 3. 3, 6, 2, 4, 5, 1

      ✗ 4. 3, 2, 6, 4, 5, 1

Question ID : **26433078147**

Status : **Answered**

Chosen Option : **1**

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**Q.23** Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (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)

Lace : Shoe

Ans    ✗ 1. Lemon : Fruit

      ✗ 2. Salt : Pepper

      ✗ 3. Bud : Flower

      ✔ 4. Clip : Hair

Question ID : **26433065969**

Status : **Answered**

Chosen Option : **3**

**Q.24** In a certain code language, 'COSTLY' is written as '470', 'COFFEE' is written as '200', how will 'CORNER' be written in that language?

Ans ✗ 1. 390

✗ 2. 380

✗ 3. 400

✔ 4. 365

Question ID : **26433078115**
Status : **Answered**
Chosen Option : **4**

**Q.25** Amit said that his father's mother's only daughter-in-law's daughter's father gave him a gift. Who gave the gift to Amit?

Ans ✗ 1. Brother

✔ 2. Father

✗ 3. Grandfather

✗ 4. Uncle

Question ID : **26433078063**
Status : **Answered**
Chosen Option : **3**

Section : **English Language**

**Q.1** Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The heading of the newspaper shout at the readers to stay inside their homes.

Ans ✗ 1. had shouted at the reader

✗ 2. No improvement required

✗ 3. will shout at the reader

✔ 4. shouted at the readers

Question ID : **26433060762**
Status : **Answered**
Chosen Option : **4**

**Q.2** Select the option that expresses the given sentence in indirect speech.

He said to the boy, "What are you writing here?"

Ans ✔ 1. He asked the boy what he was writing there

✗ 2. He asked the boy what is he writing here?

✗ 3. He said the boy what are you writing there?

✗ 4. He said to the boy what he is writing here?

Question ID : **26433075455**
Status : **Answered**
Chosen Option : **1**

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

Rajat said, "I submitted my work assignment yesterday."

Ans   ✘ 1. Rajat said that he have submitted his work assignment the previous day.

    ✘ 2. Rajat said that he had submitted his work assignment yesterday.

    ✔ 3. Rajat said that he had submitted his work assignment the previous day.

    ✘ 4. Rajat said that he submitted his work assignment yesterday.

Question ID : **26433059221**
Status : **Answered**
Chosen Option : **3**

**Q.4** Select the most appropriate option that can substitute the underlined segment in the given sentence.

<u>Extreme sadness and pitiful cries</u> of people filled the whole atmosphere.

Ans   ✘ 1. The effecting cries

    ✘ 2. The continuous cries

    ✔ 3. The heart rending cries

    ✘ 4. The loud cries

Question ID : **26433058579**
Status : **Answered**
Chosen Option : **3**

**Q.5** In the given sentence, a word is given in brackets. Select the most appropriate ANTONYM of the word to fill in the blank.

This is a/an _____ (fertile) land. Crops do not grow here.

Ans   ✘ 1. hard

    ✘ 2. inexpensive

    ✔ 3. barren

    ✘ 4. fruitful

Question ID : **26433058474**
Status : **Answered**
Chosen Option : **3**

**Q.6** Select the most appropriate meaning of the given idiom.

Speak of the devil

Ans   ✘ 1. The person we were talking about never appeared

    ✘ 2. The person we were talking about was guilty

    ✔ 3. The person we were just talking about showed up

    ✘ 4. The person we were talking about was a devil in disguise

Question ID : **26433058564**
Status : **Answered**
Chosen Option : **4**

**Q.7** Select the most appropriate option to fill in the blank.

Freud's work with free association, dream analysis and the unconscious was of _____ importance to the Surrealists in developing methods to liberate imagination.

Ans ✗ 1. farthest

✗ 2. hugest

✗ 3. remotest

✓ 4. utmost

Question ID : **26433060780**
Status : **Answered**
Chosen Option : **4**

**Q.8** Select the option that expresses the given sentence in direct speech.

The policeman asked us whether we recognised the person in the photo.

Ans ✓ 1. The policeman said, "Do you recognise the person in the photo?"

✗ 2. The policeman said, "Do you recognised the person in the photo."

✗ 3. The policeman said, "Whether you recognise the person in the photo."

✗ 4. The policeman said, "Did you recognised the person in the photo?"

Question ID : **26433059003**
Status : **Answered**
Chosen Option : **1**

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

She will be wearing a pink dress to the wedding.

Ans ✗ 1. A pink dress will be wear by her to the wedding.

✓ 2. A pink dress will be worn by her to the wedding.

✗ 3. A pink dress would be worn by her at the wedding.

✗ 4. A pink dress would be worn by her to the wedding.

Question ID : **26433065229**
Status : **Answered**
Chosen Option : **4**

**Q.10** Select the INCORRECTLY spelt word.

Ans ✗ 1. Palatial

✗ 2. Essential

✗ 3. Ancestral

✓ 4. Magificent

Question ID : **26433060192**
Status : **Answered**
Chosen Option : **1**

**Q.11** Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

**Ram is a hardworking men.**

Ans ✔ 1. hardworking man

✖ 2. No improvement required

✖ 3. working men

✖ 4. working hard man

**Q.12** Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

**Vikram was a fashion designer who made clothes out of sustainable materials.**

Ans ✖ 1. whom made clothes

✖ 2. who makes clothes

✖ 3. who make clothes

✔ 4. No improvement required

**Q.13** Select the INCORRECTLY spelt word in the following sentence.

**Aggressive and violent natured people often don't engage in fruitful arguements.**

Ans ✖ 1. fruitful

✖ 2. aggressive

✔ 3. arguements

✖ 4. natured

**Q.14** Identify the option that rectifies the error in tense in the given sentence.

**The mall just opened and the visitors arrived now.**

Ans ✔ 1. The mall has just opened and the visitors have arrived.

✖ 2. The mall has just been opening and the visitors arrived.

✖ 3. The mall just opens and the visitors arrives.

✖ 4. The mall is just opening and the visitors are arriving.

**Q.15 Select the most appropriate synonym of the given word.**

**Alacrity**

**Ans** ✔ 1. Willingness

✘ 2. Capriciousness

✘ 3. Pleasure

✘ 4. Mediocrity

**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.
Stray dogs reside on the streets or in neighbourhoods and slums, where they feed on unsanitary waste made by the people who (1)_____ there. They frequently do not have enough food to eat, and as a result, the majority of them (2)_____ malnourished. Local area (3)_____ is also a source of worry, as just a few individuals treat them with kindness, while the majority regard them as a (4)_____. In addition, they are subjected to harsh practices such as (5)_____ and beating.

**SubQuestion No : 16**

**Q.16 Select the most appropriate option to fill in blank no. 1.**

**Ans** ✘ 1. lived

✘ 2. living

✘ 3. lives

✔ 4. live

**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.
Stray dogs reside on the streets or in neighbourhoods and slums, where they feed on unsanitary waste made by the people who (1)_____ there. They frequently do not have enough food to eat, and as a result, the majority of them (2)_____ malnourished. Local area (3)_____ is also a source of worry, as just a few individuals treat them with kindness, while the majority regard them as a (4)_____. In addition, they are subjected to harsh practices such as (5)_____ and beating.

**SubQuestion No : 17**

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

**Ans** ✘ 1. will be

✘ 2. is

✔ 3. are

✘ 4. has been

**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.

Stray dogs reside on the streets or in neighbourhoods and slums, where they feed on unsanitary waste made by the people who (1)_____ there. They frequently do not have enough food to eat, and as a result, the majority of them (2)_____ malnourished. Local area (3)_____ is also a source of worry, as just a few individuals treat them with kindness, while the majority regard them as a (4)_____. In addition, they are subjected to harsh practices such as (5)_____ and beating.

**SubQuestion No : 18**

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

**Ans** ✔ 1. behaviour

✘ 2. office

✘ 3. instructor

✘ 4. network

Question ID : **26433058705**
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.

Stray dogs reside on the streets or in neighbourhoods and slums, where they feed on unsanitary waste made by the people who (1)_____ there. They frequently do not have enough food to eat, and as a result, the majority of them (2)_____ malnourished. Local area (3)_____ is also a source of worry, as just a few individuals treat them with kindness, while the majority regard them as a (4)_____. In addition, they are subjected to harsh practices such as (5)_____ and beating.

**SubQuestion No : 19**

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

**Ans** ✘ 1. holy

✘ 2. playmate

✘ 3. relief

✔ 4. nuisance

Question ID : **26433058706**
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.

Stray dogs reside on the streets or in neighbourhoods and slums, where they feed on unsanitary waste made by the people who (1)_____ there. They frequently do not have enough food to eat, and as a result, the majority of them (2)_____ malnourished. Local area (3)_____ is also a source of worry, as just a few individuals treat them with kindness, while the majority regard them as a (4)_____. In addition, they are subjected to harsh practices such as (5)_____ and beating.

**SubQuestion No : 20**

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

**Ans** ✘ 1. hating

✔ 2. poisoning

✘ 3. loving

✘ 4. avoiding

Question ID : **26433058707**
Status : **Answered**
Chosen Option : **1**

**Comprehension:**

Read the given passage and answer the questions that follow.

The common sunflower is valuable from an economic as well as from an ornamental point of view. The leaves are used as fodder, the flowers yield a yellow dye, and the seeds contain oil and are used for food. The sweet yellow oil obtained by compression of the seeds is considered equal to olive or almond oil for table use. Sunflower oil cake is used for stock and poultry feeding. The oil is also used in soap and paints and as a lubricant. The seeds may be eaten dried, roasted or ground into nut butter and are common in birdseed mixes.

**SubQuestion No : 21**

**Q.21  Select a suitable title for the passage.**

Ans   ✗ 1. Sunflower

     ✗ 2. The Beauty of the Sunflower

     ✗ 3. Sunflower Seeds

     ✓ 4. The Uses of the Sunflower

**Comprehension:**

Read the given passage and answer the questions that follow.

The common sunflower is valuable from an economic as well as from an ornamental point of view. The leaves are used as fodder, the flowers yield a yellow dye, and the seeds contain oil and are used for food. The sweet yellow oil obtained by compression of the seeds is considered equal to olive or almond oil for table use. Sunflower oil cake is used for stock and poultry feeding. The oil is also used in soap and paints and as a lubricant. The seeds may be eaten dried, roasted or ground into nut butter and are common in birdseed mixes.

**SubQuestion No : 22**

**Q.22  Select the most appropriate ANTONYM of the given word.**
**Ornamental**

Ans   ✗ 1. Decorated

     ✗ 2. Empty

     ✗ 3. Blank

     ✓ 4. Unembellished

**Comprehension:**

Read the given passage and answer the questions that follow.

The common sunflower is valuable from an economic as well as from an ornamental point of view. The leaves are used as fodder, the flowers yield a yellow dye, and the seeds contain oil and are used for food. The sweet yellow oil obtained by compression of the seeds is considered equal to olive or almond oil for table use. Sunflower oil cake is used for stock and poultry feeding. The oil is also used in soap and paints and as a lubricant. The seeds may be eaten dried, roasted or ground into nut butter and are common in birdseed mixes.

**SubQuestion No : 23**

**Q.23  Identify the tone of the passage.**

Ans   ✗ 1. Motivating

     ✗ 2. Humorous

     ✓ 3. Descriptive

     ✗ 4. Laudatory

**Comprehension:**

Read the given passage and answer the questions that follow.

The common sunflower is valuable from an economic as well as from an ornamental point of view. The leaves are used as fodder, the flowers yield a yellow dye, and the seeds contain oil and are used for food. The sweet yellow oil obtained by compression of the seeds is considered equal to olive or almond oil for table use. Sunflower oil cake is used for stock and poultry feeding. The oil is also used in soap and paints and as a lubricant. The seeds may be eaten dried, roasted or ground into nut butter and are common in birdseed mixes.

**SubQuestion No : 24**

**Q.24 Which of the following facts is mentioned in the given passage?**

Ans ✖ 1. Sunflowers can be grown anywhere.

✔ 2. The sunflower's leaves, flowers and seeds have many uses.

✖ 3. Sunflower seeds have no other use except for making oil.

✖ 4. Oil from sunflower seeds is only meant for human consumption.

| | |
|---|---|
| Question ID : **26433071918** | |
| Status : **Answered** | |
| Chosen Option : **2** | |

**Comprehension:**

Read the given passage and answer the questions that follow.

The common sunflower is valuable from an economic as well as from an ornamental point of view. The leaves are used as fodder, the flowers yield a yellow dye, and the seeds contain oil and are used for food. The sweet yellow oil obtained by compression of the seeds is considered equal to olive or almond oil for table use. Sunflower oil cake is used for stock and poultry feeding. The oil is also used in soap and paints and as a lubricant. The seeds may be eaten dried, roasted or ground into nut butter and are common in birdseed mixes.

**SubQuestion No : 25**

**Q.25 Identify the main theme of the passage.**

Ans ✖ 1. The sunflower seeds have varied uses.

✖ 2. Sunflower oil is better than almond or olive oil.

✔ 3. The sunflower's leaves, flower and seeds have varied economic and ornamental uses.

✖ 4. Sunflower seeds can be consumed by humans as well as animals.

| | |
|---|---|
| Question ID : **26433071919** | |
| Status : **Answered** | |
| Chosen Option : **3** | |

Section : **Quantitative Aptitude**

**Q.1 In a school there are 15 boys and 10 girls in class X. The average age of the boys is 16, while the average age of the girls is 15. Find the average age of the students in the class.**

Ans ✖ 1. 15.8

✔ 2. 15.6

✖ 3. 15.7

✖ 4. 15.5

| | |
|---|---|
| Question ID : **26433061638** | |
| Status : **Answered** | |
| Chosen Option : **2** | |

**Q.2** Suppose the cost of a car increases by 10% and then decreases by 20%. Due to some reason again the cost increases by 15%. The resulting cost percentage increase or decrease is:

Ans ✗ 1. 5% increase

✗ 2. 15% decrease

✗ 3. 1.2% decrease

✓ 4. 1.2% increase

Question ID : **26433061613**
Status : **Answered**
Chosen Option : **4**

**Q.3** What is the third proportional of 4 and 28?

Ans ✗ 1. 112

✓ 2. 196

✗ 3. 96

✗ 4. 256

Question ID : **26433063331**
Status : **Answered**
Chosen Option : **2**

**Q.4** If A, B and C are three angles of a triangle such that A – B = 60° and B – C = 15°, then angle A is:

Ans ✗ 1. 95°

✗ 2. 100°

✓ 3. 105°

✗ 4. 115°

Question ID : **26433056346**
Status : **Answered**
Chosen Option : **3**

**Q.5** If $\cosec A = \dfrac{5}{4}$ , then what is the value of tan A?

Ans ✗ 1. $\dfrac{3}{5}$

✗ 2. $\dfrac{4}{5}$

✓ 3. $\dfrac{4}{3}$

✗ 4. $\dfrac{3}{4}$

Question ID : **26433058818**
Status : **Answered**
Chosen Option : **3**

**Q.6** On a construction site, Pankaj and Tarun are two workers who have been assigned to break the stones for flooring. Pankaj can complete the work alone in 16 h, while Tarun will take 24 h. They decided to work on the alternate hours so that they can take rest in between. Pankaj starts in the first hour and then Tarun and so on. In how many hours will they complete the work together if they work on the basis of alternate hours?

**Ans**  ✗ 1. 21

✓ 2. 19

✗ 3. 22

✗ 4. 23

**Q.7** In a class, the average age of the students is 17 years. The average age of the boys is 17.4 years while the average age of the girls is 16.8 years. Find the number of girls in the class if there are 21 boys.

**Ans**  ✗ 1. 40

✗ 2. 36

✗ 3. 21

✓ 4. 42

**Q.8** Simplify.

$$(5x + 4y)^2 + (5x - 4y)^2$$

**Ans**  ✗ 1. $32x^2 + 50y^2$

✓ 2. $50x^2 + 32y^2$

✗ 3. $-80xy$

✗ 4. $80xy$

**Q.9** The following table shows the percentage of marks obtained by 5 students in different subjects. Study the table carefully and answer the question based on the table.

| Students | Subjects | | | | |
| --- | --- | --- | --- | --- | --- |
| | Chemistry 300 | Mathematics 300 | Physics 150 | Hindi 300 | English 200 |
| Raju | 60 | 85 | 90 | 80 | 65 |
| Shyamu | 65 | 70 | 60 | 75 | 65 |
| Mohan | 70 | 75 | 80 | 65 | 85 |
| Shobh | 60 | 65 | 60 | 85 | 80 |
| Sushil | 65 | 75 | 70 | 60 | 75 |

The total marks obtained by Raju are:

**Ans**  ✗ 1. 904

✓ 2. 940

✗ 3. 900

✗ 4. 840

**Q.10** A journey of 180 km takes 6 hours more when the speed of a bike is reduced by 8 km/h. What is the original speed of the bike?

**Ans** ✗ 1. 25 km/h

✗ 2. 15 km/h

✗ 3. 30 km/h

✓ 4. 20 km/h

**Q.11** Simplify the expression $\left(\frac{p}{q}\right)^{10} + \left(\frac{q}{p}\right)^{10}$ if $\frac{p}{q} + \frac{q}{p} = 2$.

**Ans** ✓ 1. 2

✗ 2. 0

✗ 3. 1

✗ 4. -1

**Q.12** Find the average of $3^{20}$, $3^{30}$, $3^{40}$.

**Ans** ✗ 1. $(3^{20} + 3^{10} + 3^{40})$

✗ 2. $3^{30}$

✗ 3. $(3^{20} + 3^{30} + 3^{40})$

✓ 4. $(3^{19} + 3^{29} + 3^{39})$

**Q.13** Raheem sold a crockery set for ₹1,092 at a profit of 20%. What would have been the actual percentage profit or loss on it, if he sold it for ₹950 (rounded to two decimal places)?

**Ans** ✗ 1. 5.40% loss

✗ 2. 4.40% loss

✗ 3. 5.40% profit

✓ 4. 4.40% profit

**Q.14** The following table shows the different types of cars sold by a company over the given years (numbers in thousands).

| Year | Types | | | | |
|------|----|----|----|----|----|
| | A | B | C | D | E |
| 2007 | 15 | 12 | 10 | 8 | 9 |
| 2008 | 10 | 10 | 13 | 12 | 12 |
| 2009 | 25 | 10 | 12 | 19 | 18 |
| 2010 | 12 | 18 | 13 | 12 | 12 |
| 2011 | 19 | 12 | 12 | 14 | 14 |
| 2012 | 15 | 14 | 14 | 14 | 15 |

The percentage of type A cars sold out of the total number of cars sold was maximum in which year?

**Ans**  ✘ 1. 2010

✔ 2. 2009

✘ 3. 2008

✘ 4. 2007

Question ID : 26433064942
Status : **Answered**
Chosen Option : **4**

**Q.15** In a 1400 m race John reaches the finish point in 1 min 6 sec, while James reaches the finish point in 77 sec. By how much distance does John beat James?

**Ans**  ✘ 1. 180 m

✔ 2. 200 m

✘ 3. 220 m

✘ 4. 240 m

Question ID : 26433058802
Status : **Answered**
Chosen Option : **2**

**Q.16** Study the given table and answer the question that follows.

The table shows the marks of four girls in four different subjects. (Maximum Marks: 50)

| Subject/Girls | Mona | Shweta | Divya | Ruchi |
|---------------|------|--------|-------|-------|
| Hindi | 29 | 31 | 32 | 36 |
| English | 39 | 35 | 37 | 32 |
| Mathematics | 38 | 42 | 40 | 45 |
| Science | 47 | 41 | 43 | 35 |

What per cent did Ruchi secure overall in the exam?

**Ans**  ✘ 1. 72%

✔ 2. 74%

✘ 3. 73%

✘ 4. 71%

Question ID : 26433061698
Status : **Answered**
Chosen Option : **2**

**Q.17** What is the percentage profit on selling a car at Rs.6,00,000, whose cost price was Rs.5,00,000?

**Ans**  ✔ 1. 20%

✘ 2. 16.67%

✘ 3. 21.33%

✘ 4. 25%

Question ID : 26433063310
Status : **Answered**
Chosen Option : **1**

**Q.18** The value of $\sin^2 \frac{2\pi}{3} + \cos^2 \frac{5\pi}{6} - \tan^2 \frac{3\pi}{4}$ is :

Ans ✗ 1. $2$

✓ 2. $\frac{1}{2}$

✗ 3. $\frac{1}{4}$

✗ 4. $4$

Question ID : **26433057160**
Status : **Answered**
Chosen Option : **2**

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**Q.19** If two types of pulses costing ₹97 per kg and ₹105 per kg are mixed in the ratio of 5 : 3, then what is the cost of the resulting mixture?

Ans ✗ 1. ₹101

✗ 2. ₹103

✓ 3. ₹100

✗ 4. ₹99

Question ID : **26433061643**
Status : **Answered**
Chosen Option : **3**

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**Q.20** Find the area of a trapezium having height 7 cm and the length of parallel sides 8 cm and 12 cm.

Ans ✗ 1. 100 cm$^2$

✗ 2. 35 cm$^2$

✓ 3. 70 cm$^2$

✗ 4. 140 cm$^2$

Question ID : **26433061701**
Status : **Answered**
Chosen Option : **3**

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**Q.21** The marked price of a washing machine is ₹25,000 and it is available with two successive discounts of 12% and 10%. Find its final price for a customer.

Ans ✓ 1. ₹19,800

✗ 2. ₹19,500

✗ 3. ₹20,000

✗ 4. ₹19,000

Question ID : **26433061663**
Status : **Answered**
Chosen Option : **1**

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**Q.22** Find the interest accrued on a sum of Rs.1,680 in two years,at the rate of 4.375% simple interest per annum.

Ans ✗ 1. Rs.73.50

✗ 2. Rs.1,470

✗ 3. Rs.735

✓ 4. Rs.147

**Q.23** The areas of two similar triangles are 225 cm$^2$ and 196 cm$^2$. If the largest side of the larger triangle is 30 cm, then the longest side of the smaller triangle is:

**Ans** ✗ 1. 22 cm

✗ 2. 24 cm

✗ 3. 26 cm

✓ 4. 28 cm

Question ID : **26433058424**
Status : **Answered**
Chosen Option : **4**

**Q.24** A number is first increased by 5% and then it is further increased by 15%. The original number increased altogether by:

**Ans** ✓ 1. 20.75%

✗ 2. 19.75%

✗ 3. 22.75%

✗ 4. 21.75%

Question ID : **26433056305**
Status : **Answered**
Chosen Option : **1**

**Q.25** In a test, Arjun was asked to calculate the mean proportional of 20 and 320. What is the correct answer that Arjun should give?

**Ans** ✗ 1. 170

✓ 2. 80

✗ 3. 40

✗ 4. 60

Question ID : **26433063328**
Status : **Answered**
Chosen Option : **2**

Section : **General Awareness**

**Q.1** What is the average salinity of the Indian ocean?

**Ans** ✗ 1. 350 o/oo

✓ 2. 35 o/oo

✗ 3. 3.5 o/oo

✗ 4. 3 o/oo

Question ID : **26433077253**
Status : **Answered**
Chosen Option : **3**

**Q.2** Which scheme is NOT proposed to be covered under the Pradhan Mantri Swasthya Suraksha Nidhi?

**Ans** ✗ 1. Ayushman Bharat - Health and Wellness Centres (AB-HWCs)

✗ 2. Ayushman Bharat - Pradhan Mantri Jan Arogya Yojana (AB-PMJAY)

✗ 3. Pradhan Mantri Swasthya Suraksha Yojana (PMSSY)

✓ 4. Rashtriya Swasthya Aashwasan Yojana (RSAY)

Question ID : **26433077351**
Status : **Answered**
Chosen Option : **4**

**Q.3** Which is the world's longest highway tunnel?

Ans ✗ 1. Dr. Syama Prasad Mookerjee Tunnel

✓ 2. Atal Tunnel

✗ 3. New Katraj Tunnel

✗ 4. Maliguda Tunnel

Question ID : **26433076987**
Status : **Answered**
Chosen Option : **2**

**Q.4** Why do atoms and non-polar molecules have no dipole moment?

Ans ✗ 1. Because their electronic charge cloud is missing

✗ 2. Because their electronic charge cloud is scattered

✗ 3. Because their electronic charge cloud is asymmetrically distributed

✓ 4. Because their electronic charge cloud is symmetrically distributed

Question ID : **26433077262**
Status : **Answered**
Chosen Option : **4**

**Q.5** What is the tenure of the Chairperson of National Human Rights Commission?

Ans ✓ 1. Three Years

✗ 2. Five Years

✗ 3. Six Years

✗ 4. Four Years

Question ID : **26433054087**
Status : **Answered**
Chosen Option : **2**

**Q.6** Which of the following books was longlisted for the Booker Prize 2021?

Ans ✓ 1. China Room

✗ 2. Ours are the Streets

✗ 3. The Year of the Runaways

✗ 4. Jungle Nama

Question ID : **26433076917**
Status : **Answered**
Chosen Option : **3**

**Q.7** Which of the Sustainable Development Goals set by the United Nations aims to achieve universal health coverage that seeks equal access to health services for all men and women?

Ans ✗ 1. SDG 4

✓ 2. SDG 3

✗ 3. SDG 8

✗ 4. SDG 11

Question ID : **26433077285**
Status : **Not Answered**
Chosen Option : **--**

**Q.8** Which Articles of the Constitution of India have laid down religious freedom, including the freedom to wear religious clothing?

**Ans** ✗ 1. Article 23–27

✓ 2. Article 25–28

✗ 3. Article 24–28

✗ 4. Article 27–30

Question ID : **26433077091**
Status : **Answered**
Chosen Option : **2**

**Q.9** The Hornbill festival is celebrated in which of the following states to promote its cultural heritage?

**Ans** ✗ 1. Meghalaya

✗ 2. Assam

✓ 3. Nagaland

✗ 4. West Bengal

Question ID : **26433070817**
Status : **Answered**
Chosen Option : **3**

**Q.10** Bahlol Lodi was succeeded by his son _____ under the title of Sultan Sikandar Shah in 1489.

**Ans** ✓ 1. Nizam Khan

✗ 2. Khizr Khan

✗ 3. BahlulShah

✗ 4. Sher Shah

Question ID : **26433077055**
Status : **Answered**
Chosen Option : **1**

**Q.11** From which direction do the magnetic lines emerge?

**Ans** ✓ 1. North pole

✗ 2. Centre

✗ 3. South pole

✗ 4. Top

Question ID : **26433077244**
Status : **Answered**
Chosen Option : **1**

**Q.12** Who was the Minister of External Affairs as of January 2022?

**Ans** ✗ 1. John Barla

✗ 2. Bhanu Pratap Singh Verma

✓ 3. Dr. Subrahmanyam Jaishankar

✗ 4. Piyush Goyal

Question ID : **26433077317**
Status : **Answered**
Chosen Option : **3**

**Q.13** Amarkantak plateau, Maikal hills and the plateau region of Bilaspur-Katni are known for the presence of _____.

**Ans** ✗ 1. mica

✓ 2. bauxite

✗ 3. limestone

✗ 4. copper

Question ID : **26433076979**
Status : **Answered**
Chosen Option : **2**

**Q.14** Who among the following called Netaji Subhash Chandra Bose a patriot of patriots?

**Ans** ✗ 1. Jawaharlal Nehru

✗ 2. Chittaranjan Das

✓ 3. Mahatma Gandhi

✗ 4. Pattabhi Sitaramayya

Question ID : **26433077027**
Status : **Answered**
Chosen Option : **3**

**Q.15** In which of the following dances from Manipur is the drum prominently used as a part of dance movements?

**Ans** ✗ 1. Luivat Pheizak

✗ 2. Thang La

✓ 3. Pung Cholom

✗ 4. Shim Lam

Question ID : **26433076903**
Status : **Answered**
Chosen Option : **2**

**Q.16** Which of the following states holds the first rank in female literacy as per the 2011 census?

**Ans** ✓ 1. Kerala

✗ 2. Maharashtra

✗ 3. Goa

✗ 4. Mizoram

Question ID : **26433065402**
Status : **Answered**
Chosen Option : **1**

**Q.17** Which of the following revolutionary societies was organised by Vinayak Damodar Savarkar in 1904?

**Ans** ✗ 1. Anushilan Samiti

✗ 2. Bharat Naujawan Sabha

✗ 3. Jugantar Party

✓ 4. Abhinav Bharat Society

Question ID : **26433077024**
Status : **Answered**
Chosen Option : **2**

**Q.18** According to the poverty statistics in India (2011-12), which group has the lowest percentage of population below the poverty line?

Ans ✗ 1. Rajasthan and Bihar

✓ 2. Goa and Kerala

✗ 3. Odisha and Tripura

✗ 4. Mizoram and Nagaland

Question ID : 26433067167
Status : **Answered**
Chosen Option : **2**

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**Q.19** Name the first Indian woman to win a Gold at Paralympics.

Ans ✗ 1. Deepa Mehta

✗ 2. Apoorvi Chandela

✓ 3. Avani Lekhara

✗ 4. Bhavinaben Patel

Question ID : 26433077324
Status : **Answered**
Chosen Option : **3**

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**Q.20** Ministry of Housing and Urban Affairs (MoHUA) signed a memorandum of understanding (MoU) with which of the following companies for the PM SVANidhi scheme in February 2021?

Ans ✗ 1. Swiggy

✗ 2. Uber Eats

✗ 3. Faaso's

✓ 4. Zomato

Question ID : 26433077332
Status : **Answered**
Chosen Option : **4**

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**Q.21** What is the name of the scheme proposed as a single non-lapsable reserve fund for a share of health from the proceeds of health and education cess?

Ans ✓ 1. Pradhan Mantri Swasthya Suraksha Nidhi

✗ 2. National Digital Health Mission

✗ 3. Intensified Mission Indradhanush 3.0

✗ 4. Ayushman Bharat Pradhan Mantri Jan Aarogya Yojana

Question ID : 26433077350
Status : **Answered**
Chosen Option : **4**

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**Q.22** Who was the architect of the famous Mysore Palace in Karnataka?

Ans ✓ 1. Henry Irwin

✗ 2. William Emerson

✗ 3. Fredrik William Stevens

✗ 4. Edwin Lutyens

Question ID : 26433070825
Status : **Not Answered**
Chosen Option : **--**

**Q.23** Who among the following personalities was conferred with the National Nritya Shiromani Award 2022?

**Ans**
  ✗ 1. Chitra Virudhu

  ✓ 2. Aparna Satheesan

  ✗ 3. Vajayanti Kashi

  ✗ 4. Yamini Krishnamurthy

Question ID : **26433070830**
Status : **Answered**
Chosen Option : **4**

**Q.24** Which is NOT correct about the Election Commission of India?

**Ans**
  ✗ 1. They hold a six-year term or continue till the age of 65, whichever is earlier.

  ✗ 2. They are appointed by the President of India

  ✗ 3. The Election Commission is a multi-member body consisting of a Chief Election Commissioner and two other Election Commissioners.

  ✓ 4. The CEC enjoys more powers than the other two Election Commissioners.

Question ID : **26433077124**
Status : **Answered**
Chosen Option : **1**

**Q.25** Which of the following Viceroys of British India took the first step to separate provincial finance from central finance and introduced financial decentralisation in India in 1870?

**Ans**
  ✗ 1. Lord Chelmsford

  ✗ 2. Lord Northbrook

  ✓ 3. Lord Mayo

  ✗ 4. Lord Dufferin

Question ID : **26433077020**
Status : **Answered**
Chosen Option : **3**