

Exam Date	04/08/2022
Exam Time	11:45 AM - 12:45 PM
Subject	Selection Post Phase X Graduate Level

Section : General Intelligence

Q.1 Which letter-cluster will replace the question mark (?) and complete the given series?
VEIL, XGKJ, ?, BKOF, DMQD

- Ans ☒ 1. ZINH
☒ 2. ZIMH
☒ 3. ZJMH
☒ 4. ZING

Question ID : 26433078200
Status : Answered
Chosen Option : 2

Q.2 Select the option that represents the letters which when sequentially placed from left to right in the blanks below will complete the letter series.
G _ D _ A _ F D _ A I F _ _ A _ F D S _

- Ans ☒ 1. FSGSDSGA
☒ 2. FSHSDSJA
☒ 3. FTHSDSHA
☒ 4. FTGSDSGA

Question ID : 26433067542
Status : Answered
Chosen Option : 2

Q.3 In a certain code language, 'CIRCLE' is written as 'VMGIPG' and 'ANGLES' is written as 'KREWIP'. How will 'SHAPES' be written in that language?

- Ans ☒ 1. ELVVIT
☒ 2. ELWWJT
☒ 3. ELWWIT
☒ 4. ELUWIT

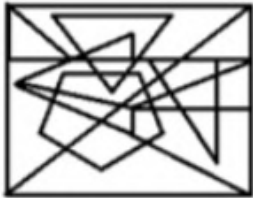
Question ID : 26433078168
Status : Not Answered
Chosen Option : --

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

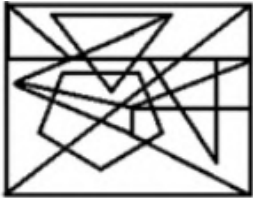


Ans

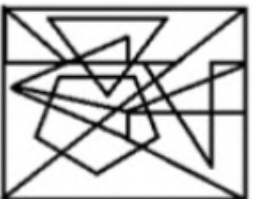
✓ 1.



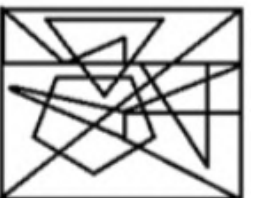
✗ 2.



✗ 3.



✗ 4.



Question ID : 26433078504

Status : Answered

Chosen Option : 1

Q.5 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Median
2. Mediation
3. Mediate
4. Medicine
5. Medical
6. Mechanics

Ans ✓ 1. 6, 1, 3, 2, 5, 4

✗ 2. 6, 1, 2, 3, 5, 4

✗ 3. 6, 1, 3, 5, 2, 4

✗ 4. 6, 1, 3, 2, 4, 5

Question ID : 26433078149

Status : Answered

Chosen Option : 1

Q.6 In a certain code language, 'LIFT' is written as 'MKGU' and 'HEIGHT' is written as 'IGKHIU'. How will 'WEIGHT' be written in that language?

- Ans ☒ 1. XGKHIU
☒ 2. XKIUHG
☒ 3. IKXGHU
☒ 4. UIHKGX

Question ID : 26433077995

Status : Not Answered

Chosen Option : --

Q.7 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 variance with commonly known facts. Decide which of the given conclusions logically follow/s from the given statements.

Statements:

Some engineers are teachers.

Some teachers are doctors.

All doctors are intelligent.

Conclusions:

(I) Some engineers are doctors.

(II) Some intelligent are engineers.

(III) Some teachers are intelligent.

- Ans ☒ 1. Only conclusion III follows.
☒ 2. Conclusions I, II and III
☒ 3. Only conclusion II follows
☒ 4. Only conclusion I follows.

Question ID : 26433078152

Status : Answered

Chosen Option : 1

Q.8 'A # B' means 'A is the brother of B'.
'A @ B' means 'A is the daughter of B'.
'A & B' means 'A is the husband of B'.
'A % B' means 'A is the wife of B'.
If S % D # F @ G & H @ J,
then how is F related to H?

- Ans ☒ 1. Daughter
☒ 2. Son's wife
☒ 3. Mother
☒ 4. Daughter's daughter

Question ID : 26433078245

Status : Answered

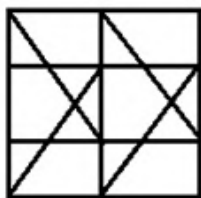
Chosen Option : 1

Q.9 Select the option in which the given figure is embedded (rotation is NOT allowed).

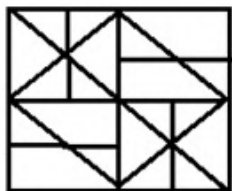


Ans

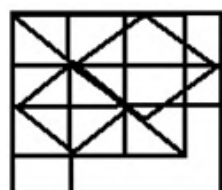
✗ 1.



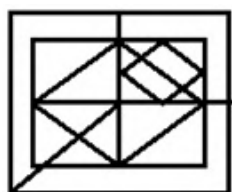
✗ 2.



✓ 3.



✗ 4.

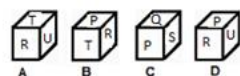
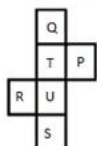


Question ID : 26433068978

Status : Answered

Chosen Option : 3

Q.10 If the following sheet is folded to form a cube, which of the given figures are possible?



Ans ✗ 1. Only C and B

✗ 2. Only A and D

✗ 3. Only C and D

✓ 4. Only A and C

Question ID : 26433078455

Status : Answered

Chosen Option : 4

Q.11 Select the option that is related to the third word in the same way as the second word is related to the first word.

Naïve : Ingenuous :: Intelligible : ?

- Ans
- ☐ 1. Natural
 - ☐ 2. Unworthy
 - ☐ 3. Difficult
 - ☒ 4. Understandable

Question ID : 26433077809

Status : Answered

Chosen Option : 4

Q.12 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)

Carpenter : Furniture

- Ans
- ☐ 1. Doctor : Hospital
 - ☐ 2. Teacher : Pencil
 - ☒ 3. Chef : Food
 - ☐ 4. Sailor : Ship

Question ID : 26433065976

Status : Answered

Chosen Option : 2

Q.13 In a certain code language, 'GUITAR' is written as 'UGSHAJ' and 'PIANO' is written as 'LSANM'. How will 'DRUMS' be written in that language?

- Ans
- ☐ 1. IOGJX
 - ☐ 2. XIOGJ
 - ☐ 3. XGOIJ
 - ☒ 4. XJGOI

Question ID : 26433070331

Status : Not Answered

Chosen Option : --

Q.14 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.Generation
- 2.Govern
- 3.Gender
- 4.Geothermal
- 5.Generous

- Ans
- ☒ 1. 3, 1, 5, 4, 2
 - ☐ 2. 2, 1, 5, 4, 3
 - ☐ 3. 3, 1, 5, 2, 4
 - ☐ 4. 2, 1, 5, 3, 4

Question ID : 26433078075

Status : Answered

Chosen Option : 1

Q.15 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)
(13, 104, 16), (9, 63, 14)

Ans ☒ 1. (8, 60, 15)

☐ 2. (23, 204, 26)

☐ 3. (10, 92, 17)

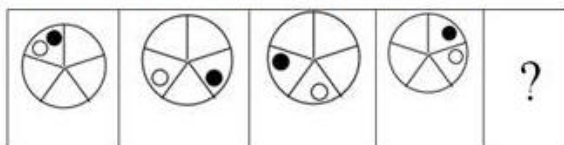
☐ 4. (12, 85, 15)

Question ID : 26433078661

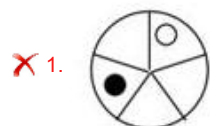
Status : Answered

Chosen Option : 1

Q.16 Select the figure that will come next in the following figure series.



Ans



Question ID : 26433078471

Status : Answered

Chosen Option : 1

Q.17 In a certain code language, 'HEIGHT' is written as '51' and 'FULL' is written as '47'. How will 'DISH' be written in that language?

Ans ☐ 1. 33

☐ 2. 34

☐ 3. 35

☒ 4. 36

Question ID : 26433078034

Status : Answered

Chosen Option : 4

Q.18 In a certain code language, 'FINGER' is written as '31' and 'HOLIDAY' is written as '24'.
How will 'WHOLE' be written in that language?

- Ans
- ☒ 1. 33
 - ☒ 2. 43
 - ☒ 3. 23
 - ☒ 4. 63

Question ID : 26433067571

Status : Not Answered

Chosen Option : --

Q.19 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.)

Marker : Whiteboard

- Ans
- ☒ 1. Type : Letters
 - ☒ 2. Table : Chair
 - ☒ 3. Door : Latches
 - ☒ 4. Pen : Paper

Question ID : 26433077416

Status : Answered

Chosen Option : 4

Q.20 Which of the following numbers will replace the question mark (?) in the given series?
8, 15, 25, 38, ?, 73

- Ans
- ☒ 1. 70
 - ☒ 2. 54
 - ☒ 3. 45
 - ☒ 4. 61

Question ID : 26433078716

Status : Answered

Chosen Option : 2

Q.21 'ENT 2' is related to 'FPW 4' in a certain way. In the same way, 'OPD 5' is related to 'PRG 10'. Which of the following is related to 'FAH 6' using the same logic?

- Ans
- ☒ 1. ECE 3
 - ☒ 2. EYE 3
 - ☒ 3. EYE 12
 - ☒ 4. DYE 3

Question ID : 26433077940

Status : Answered

Chosen Option : 3

Q.22 Krish defeated the only brother of the daughter of his paternal grandmother while playing a board game, how is the defeated person related to Krish's mother?

- Ans ☒ 1. Son
☒ 2. Husband
☒ 3. Brother
☒ 4. Father

Question ID : 26433069177
Status : Answered
Chosen Option : 4

Q.23 In a certain code language, 'nature is beautiful' is written as '11 33 44', 'sunlight is bright' is written as '33 66 77' and 'sunlight represents nature' is written as '66 11 99'. What is the code for the word 'bright' in that language?

- Ans ☒ 1. 99
☒ 2. 33
☒ 3. 77
☒ 4. 66

Question ID : 26433077807
Status : Answered
Chosen Option : 3

Q.24 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 :

All shoes are slippers.

All slippers are socks.

All socks are sandals

Conclusions:

(I) Some sandals are slippers

(II) Some socks are shoes.

(III) All sandals are shoes.

- Ans ☒ 1. Both Conclusion I and II follow.
☒ 2. Both Conclusion I and III follow.
☒ 3. Both Conclusion II and III follow.
☒ 4. Only Conclusion I follows.

Question ID : 26433068955
Status : Answered
Chosen Option : 1

Q.25 Which two numbers (not the digits of the numbers) and two signs should be interchanged to make the given equation correct?

$$10 \div 2 \times 6 - 15 + 5 = 25$$

- Ans ☒ 1. 2 and 6; + and ×
☒ 2. 2 and 15; ÷ and ×
☒ 3. 10 and 5; + and -
☒ 4. 5 and 2; + and -

Question ID : 26433067611
Status : Answered
Chosen Option : 4

Q.1 Select the option that expresses the given sentence in passive voice.

Stevie loved a good mystery novel.

- Ans** ☒ 1. A good mystery novel is loved by Stevie.
☒ 2. A good mystery novel was being loved by Stevie.
☒ 3. A good mystery novel was loved by Stevie.
☒ 4. A good mystery novel had been loved by Stevie.

Question ID : 26433059071

Status : **Answered**

Chosen Option : 3

Q.2 Select the option that expresses the given sentence in indirect speech.
He said, "I have got the prize".

- Ans** ☒ 1. He said that he had got the prize.
☒ 2. He said that I had got the prize.
☒ 3. He said that he has got the prize.
☒ 4. He said, he have got the prize.

Question ID : 26433075454

Status : **Answered**

Chosen Option : 1

Q.3 Select the sentences that contains no spelling errors.

- Ans** ☒ 1. Meenakshi, a former councillor, is aspiring for a ticket to contest the elections.
☒ 2. Meenakshi, a former counciler, is aspiring for a ticket to contest the elections.
☒ 3. Meenakshi, a former councilor, is aspiring for a ticket to contest the elections.
☒ 4. Meenakshi, a former councillor, is aspiring for a ticket to contest the elections.

Question ID : 26433060864

Status : **Answered**

Chosen Option : 3

Q.4 In the given sentence, a word is given in brackets. Select the most appropriate ANTONYM of the word to fill in the blank.
Having a bath in the Ganges is considered as a/an _____ (unholy) thing in Indian culture.

- Ans** ☒ 1. unerring
☒ 2. pure
☒ 3. sacred
☒ 4. pleasant

Question ID : 26433058473

Status : **Answered**

Chosen Option : 3

Q.5 Select the INCORRECTLY spelt word.

- Ans** ☒ 1. Postumous
☒ 2. Garrison
☒ 3. Pedestrian
☒ 4. Threshold

Question ID : 26433060195

Status : **Answered**

Chosen Option : 1

Q.6 Select the option that expresses the given sentence in direct speech.

Shyam said that he would go into surgery the following day.

- Ans
- ☐ 1. Shyam said, "He will go into surgery tomorrow."
 - ☐ 2. Shyam said, "I will go into surgery the day after tomorrow."
 - ☐ 3. Shyam said, "He would go into surgery tomorrow."
 - ☒ 4. Shyam said, "I will go into surgery tomorrow."

Question ID : 26433059057

Status : Answered

Chosen Option : 4

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

Jeremy took Andrew to the hospital.

- Ans
- ☒ 1. Andrew was taken to the hospital by Jeremy.
 - ☐ 2. The hospital is taken to Andrew by Jeremy.
 - ☐ 3. Andrew is taken to the hospital by Jeremy.
 - ☐ 4. Andrew took Jeremy to the hospital.

Question ID : 26433059068

Status : Answered

Chosen Option : 1

Q.8 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Sarah writes a book that became a bestseller.

- Ans
- ☐ 1. will write a book
 - ☐ 2. No improvement required
 - ☐ 3. had write a book
 - ☒ 4. wrote a book

Question ID : 26433060759

Status : Answered

Chosen Option : 4

Q.9 Select the most appropriate idiom from the following options that can substitute the underlined part of the given sentence.

Dheerubai, a source of inspiration to the present generation, started life very poor and then later in life became very rich.

- Ans
- ☐ 1. Felt the pinch
 - ☐ 2. Got it off his chest
 - ☐ 3. Dragged his feet
 - ☒ 4. Went from rags to riches

Question ID : 26433058455

Status : Answered

Chosen Option : 4

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

Rupak visits his mother on a regular basis.

- Ans
- ☐ 1. daily
 - ☐ 2. everyday
 - ☒ 3. regularly
 - ☐ 4. weekly

Question ID : 26433060849

Status : Answered

Chosen Option : 2

Q.11 Select the most appropriate meaning of the underlined word.

The report claimed that a consensus was growing against the absolute authority in the country.

- Ans
- ☐ 1. Systematically collected laws
 - ☐ 2. Difference of opinion
 - ☐ 3. Centre of attraction
 - ☒ 4. Generally accepted agreement

Question ID : 26433058631

Status : Answered

Chosen Option : 4

Q.12 Select the most appropriate synonym of the given word.

Compunction

- Ans
- ☐ 1. Punishment
 - ☒ 2. Scruples
 - ☐ 3. Scepticism
 - ☐ 4. Grief

Question ID : 26433059140

Status : Marked For Review

Chosen Option : 2

Q.13 Select the most appropriate option to fill in the blank.

Recycling is a key component of modern waste reduction and is the third component of the 'Reduce, Reuse and Recycle' waste hierarchy. _____ aim is to extract the maximum practical benefits from products and to generate the minimum amount of waste.

- Ans
- ☐ 1. whom
 - ☒ 2. whose
 - ☐ 3. which
 - ☐ 4. who's

Question ID : 26433060777

Status : Answered

Chosen Option : 2

Q.14 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

After the thieves / had left, / George crept slow / out of his room.

- Ans
- ☒ 1. had left
 - ☒ 2. After the thieves
 - ☒ 3. out of his room
 - ☒ 4. George crept slow

Question ID : 26433061466

Status : Answered

Chosen Option : 4

Q.15 Select the most appropriate option to fill in the blank.

New York _____ its roots back to 1624, when it was founded as a trading post by colonists of the Dutch Republic.

- Ans
- ☒ 1. traces
 - ☒ 2. dates
 - ☒ 3. sketches
 - ☒ 4. recalls

Question ID : 26433060770

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.

In the village of Wall, men wore brown and grey, and even the reddest neckerchief worn by the ruddiest of farmers was soon (1) _____ by the sun and the rain makes a more (2) _____ colour. Due to this, it would (3) _____ easily. While clothes do not make the man and fine feathers do not make (4) _____. However, Thorn was not the same man that he had been. There was a swagger (5) _____ his steps.

SubQuestion No : 16

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

- Ans
- ☒ 1. lighted
 - ☒ 2. smothered
 - ☒ 3. lightened
 - ☒ 4. covered

Question ID : 26433058836

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.

In the village of Wall, men wore brown and grey, and even the reddest neckerchief worn by the ruddiest of farmers was soon (1) _____ by the sun and the rain makes a more (2) _____ colour. Due to this, it would (3) _____ easily. While clothes do not make the man and fine feathers do not make (4) _____. However, Thorn was not the same man that he had been. There was a swagger (5) _____ his steps.

SubQuestion No : 17

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

- Ans ☒ 1. soft
☐ 2. boorish
☐ 3. vibrant
☐ 4. loutish

Question ID : 26433058837

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.

In the village of Wall, men wore brown and grey, and even the reddest neckerchief worn by the ruddiest of farmers was soon (1) _____ by the sun and the rain makes a more (2) _____ colour. Due to this, it would (3) _____ easily. While clothes do not make the man and fine feathers do not make (4) _____. However, Thorn was not the same man that he had been. There was a swagger (5) _____ his steps.

SubQuestion No : 18

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

- Ans ☐ 1. crumple and crease
☐ 2. cut and crack
☐ 3. loosen and hang
☒ 4. rip and tear

Question ID : 26433058838

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.

In the village of Wall, men wore brown and grey, and even the reddest neckerchief worn by the ruddiest of farmers was soon (1) _____ by the sun and the rain makes a more (2) _____ colour. Due to this, it would (3) _____ easily. While clothes do not make the man and fine feathers do not make (4) _____. However, Thorn was not the same man that he had been. There was a swagger (5) _____ his steps.

SubQuestion No : 19

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

- Ans ☐ 1. finest birds
☐ 2. falter birds
☐ 3. finer birds
☒ 4. fine birds

Question ID : 26433058839

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.

In the village of Wall, men wore brown and grey, and even the reddest neckerchief worn by the ruddiest of farmers was soon (1) _____ by the sun and the rain makes a more (2) _____ colour. Due to this, it would (3) _____ easily. While clothes do not make the man and fine feathers do not make (4) _____. However, Thorn was not the same man that he had been. There was a swagger (5) _____ his steps.

SubQuestion No : 20

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

- Ans ☒ 1. into
☒ 2. to
☒ 3. of
☒ 4. in

Question ID : 26433058840

Status : Answered

Chosen Option : 4

Comprehension:

Read the given passage and answer the questions that follow.

The search for life on Mars has become more urgent thanks in part to probes by the two rovers now roaming Mars' surface and another spaceship that is orbiting the planet. In recent months, they've made a series of astonishing discoveries that, once again, tempt scientists to believe that Mars harbours life—or did so in the past. At a February conference in the Netherlands, an audience of Mars experts was surveyed about Martian life. Some 75 per cent of the scientists said they thought life once existed there, and of them, 25 per cent think that Mars harbours life today.

SubQuestion No : 21

Q.21 Select the most appropriate **ANTONYM** of the given word.

Astonishing

- Ans ☒ 1. Ordinary
☒ 2. Real
☒ 3. Superb
☒ 4. Vague

Question ID : 26433071915

Status : Answered

Chosen Option : 1

Comprehension:

Read the given passage and answer the questions that follow.

The search for life on Mars has become more urgent thanks in part to probes by the two rovers now roaming Mars' surface and another spaceship that is orbiting the planet. In recent months, they've made a series of astonishing discoveries that, once again, tempt scientists to believe that Mars harbours life—or did so in the past. At a February conference in the Netherlands, an audience of Mars experts was surveyed about Martian life. Some 75 per cent of the scientists said they thought life once existed there, and of them, 25 per cent think that Mars harbours life today.

SubQuestion No : 22

Q.22 Identify the inference drawn from the passage.

- Ans ☒ 1. A minimal percentage of Mars expert believe there is life on Mars today.
☒ 2. There have been few discoveries. about life on Mars
☒ 3. There used to be life on Mars.
☒ 4. There is life on Mars today.

Comprehension:

Read the given passage and answer the questions that follow.

The search for life on Mars has become more urgent thanks in part to probes by the two rovers now roaming Mars' surface and another spaceship that is orbiting the planet. In recent months, they've made a series of astonishing discoveries that, once again, tempt scientists to believe that Mars harbours life—or did so in the past. At a February conference in the Netherlands, an audience of Mars experts was surveyed about Martian life. Some 75 per cent of the scientists said they thought life once existed there, and of them, 25 per cent think that Mars harbours life today.

SubQuestion No : 23

Q.23 Select an appropriate title for the passage.

- Ans
- ☒ 1. Research on Mars
 - ☒ 2. The Probability of Life on Mars
 - ☒ 3. Martians
 - ☒ 4. Mars

Question ID : 26433071911

Status : Answered

Chosen Option : 2

Comprehension:

Read the given passage and answer the questions that follow.

The search for life on Mars has become more urgent thanks in part to probes by the two rovers now roaming Mars' surface and another spaceship that is orbiting the planet. In recent months, they've made a series of astonishing discoveries that, once again, tempt scientists to believe that Mars harbours life—or did so in the past. At a February conference in the Netherlands, an audience of Mars experts was surveyed about Martian life. Some 75 per cent of the scientists said they thought life once existed there, and of them, 25 per cent think that Mars harbours life today.

SubQuestion No : 24

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

- Ans
- ☒ 1. Life once existed on Mars
 - ☒ 2. Life exists now on Mars
 - ☒ 3. There are two rovers probing Mars surface.
 - ☒ 4. No discoveries were made regarding Mars

Question ID : 26433071912

Status : Answered

Chosen Option : 3

Comprehension:

Read the given passage and answer the questions that follow.

The search for life on Mars has become more urgent thanks in part to probes by the two rovers now roaming Mars' surface and another spaceship that is orbiting the planet. In recent months, they've made a series of astonishing discoveries that, once again, tempt scientists to believe that Mars harbours life—or did so in the past. At a February conference in the Netherlands, an audience of Mars experts was surveyed about Martian life. Some 75 per cent of the scientists said they thought life once existed there, and of them, 25 per cent think that Mars harbours life today.

SubQuestion No : 25

Q.25 Identify the tone of the passage.

- Ans
- ☒ 1. Biased
 - ☒ 2. Speculative
 - ☒ 3. Technical
 - ☒ 4. Acerbic

Question ID : 26433071914

Status : Answered

Chosen Option : 2

Q.1 Find the volume of a rectangular box whose dimensions are 2 m, 3 m and 4 m.

- Ans ☒ 1. 24 m^3
☒ 2. 12 m^3
☒ 3. 18 m^3
☒ 4. 9 m^3

Question ID : 26433058416
 Status : Answered
 Chosen Option : 1

Q.2 In an office, 80% workers are men while 20% are women. The average age of the men is 30 and the average age of the women is 40. What is the average age of all the workers in that office?

- Ans ☒ 1. 50
☒ 2. 32
☒ 3. 30
☒ 4. 35

Question ID : 26433061641
 Status : Answered
 Chosen Option : 2

Q.3 What is the value of 'm', so that the number 56m02 is divisible by 3?

- Ans ☒ 1. 1
☒ 2. 0
☒ 3. 3
☒ 4. 2

Question ID : 26433061632
 Status : Answered
 Chosen Option : 4

Q.4 If $\cos \theta = \frac{5}{13}$, what is the value of $\cot \theta$?

- Ans ☒ 1. $\frac{5}{12}$
☒ 2. $\frac{13}{12}$
☒ 3. $\frac{12}{13}$
☒ 4. $\frac{5}{13}$

Question ID : 26433061709
 Status : Answered
 Chosen Option : 1

Q.5 If the mean proportional between 5 and 125 is x and the mean proportional between 4^4 and 6^2 is y , find the value of $2x : y$.

Ans ☒ 1. 25 : 48

☐ 2. 25 : 128

☐ 3. 25 : 64

☐ 4. 25 : 96

Question ID : 26433061668

Status : Answered

Chosen Option : 1

Q.6 The area of the sector of a circle with radius 4 cm and of angle 30° is (take $\pi = 3.14$):

Ans ☒ 1. 4.19 sq.cm

☐ 2. 4.49 sq.cm

☐ 3. 4.39 sq.cm

☐ 4. 4.29 sq.cm

Question ID : 26433056883

Status : Answered

Chosen Option : 1

Q.7 The income of an employee is 30% more than his expenditure. If his income decreases by 10% and his expenditure increases by 3%, then by what per cent does his savings decrease or increase?

Ans ☐ 1. $48\frac{1}{3}\%$ increase

☐ 2. $52\frac{1}{4}\%$ decrease

☒ 3. $53\frac{1}{3}\%$ decrease

☐ 4. $50\frac{1}{4}\%$ increase

Question ID : 26433061139

Status : Answered

Chosen Option : 3

Q.8 If $x - \frac{1}{x} = \frac{15}{4}$, find the value of $x + \frac{1}{x}$.

Ans ☐ 1. $\frac{21}{4}$

☐ 2. $\frac{15}{4}$

☒ 3. $\frac{17}{4}$

☐ 4. $\frac{13}{4}$

Question ID : 26433057173

Status : Answered

Chosen Option : 3

Q.9 The ratio of income to expenditure of a person is 5 : 2. What percentage of his income is he saving?

- Ans ☒ 1. 60%
- ☐ 2. 52%
- ☐ 3. 40%
- ☐ 4. 55%

Question ID : 26433061654
Status : Answered
Chosen Option : 1

Q.10 The population of a town increases by 20% annually. If its present population is 15000, what will be the population in 2 years?

- Ans ☒ 1. 21600
- ☐ 2. 21400
- ☐ 3. 21300
- ☐ 4. 21500

Question ID : 26433058685
Status : Answered
Chosen Option : 1

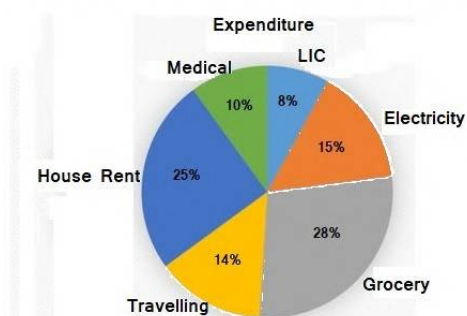
Q.11 If a reduction of 10% in the price of rice enables a person to obtain 22kg more for Rs.250, then the original price of rice per kg is _____.

- Ans ☐ 1. Rs.1.20
- ☐ 2. Rs.1.22
- ☐ 3. Rs.1.24
- ☒ 4. Rs.1.26

Question ID : 26433061201
Status : Answered
Chosen Option : 4

Q.12 Study the given pie-chart and answer the question that follows.

The pie-chart shows the expenditure of a family in percentage. The total monthly income is ₹60,000.



After the expenditure on only LIC and travelling, find the total income that remains?

- Ans ☐ 1. ₹46,500
- ☐ 2. ₹46,700
- ☐ 3. ₹46,600
- ☒ 4. ₹46,800

Question ID : 26433063431
Status : Answered
Chosen Option : 4

Q.13 The following table shows the number of students in different streams in 5 departments. Study the table carefully and answer the question based on the table.

Stream	Department				
	A	B	C	D	E
Physics	400	500	350	300	600
Chemistry	750	600	700	500	450
Mathematics	350	400	450	500	750
Computer Science	250	300	380	550	600

Which department has the minimum number of students in all streams?

- Ans
- ☒ 1. D
 - ☒ 2. C
 - ☒ 3. A
 - ☒ 4. B

Q.14 Given that $\triangle MAN$ and $\triangle CPT$ are congruent to each other such that $\angle M = 75^\circ$, $\angle N = 65^\circ$, $\angle A = 40^\circ$, $\angle C = x/2$, $\angle P = 6y + 16$. Find the value of $(x - 5y)$.

- Ans
- ☒ 1. 130
 - ☒ 2. 125
 - ☒ 3. 135
 - ☒ 4. 120

Question ID : 26433061706
Status : Answered
Chosen Option : 1

Q.15 A bus during its journey travels 60 min at a speed of 80 km/h, another 90 min at a speed of 100 km/h and 4 hours at a certain speed. If the average speed of the bus during its whole journey is 70 km/h, what is the speed of the bus during the 4 hours?

- Ans
- ☒ 1. 70.00 km/h
 - ☒ 2. 62.35 km/h
 - ☒ 3. 67.75 km/h
 - ☒ 4. 56.25 km/h

Question ID : 26433061687
Status : Answered
Chosen Option : 4

Q.16 What must be subtracted from $x^3 - 3x^2y + 3xy^2 - y^3$ to get $x^3 - y^3$?

- Ans
- ☒ 1. $-3x^2y + 3xy^2$
 - ☒ 2. $3x^2y - 3xy^2$
 - ☒ 3. $x^3 - y^3$
 - ☒ 4. $-x^3 + y^3$

Question ID : 26433058183
Status : Answered
Chosen Option : 1

Q.17 Mohan sells fruits at their cost price but uses a weight of 850 gm in place of 1 kg. What is his profit percentage?

Ans

- ☐ 1. $17\frac{11}{15}\%$
- ☐ 2. $19\frac{11}{17}\%$
- ☐ 3. $15\frac{11}{17}\%$
- ☒ 4. $17\frac{11}{17}\%$

Question ID : 26433061661

Status : Answered

Chosen Option : 4

Q.18 A can complete a task in 18 days and B can complete the same task in 32 days. They start working together but B works only for 8 days. There after, the work is completed by A. If they received Rs.8,800 after completion of the work, then what is A's share (in Rs.)?

Ans

- ☐ 1. 7200
- ☐ 2. 6400
- ☐ 3. 5500
- ☒ 4. 6600

Question ID : 26433063246

Status : Answered

Chosen Option : 4

Q.19 A shopkeeper offers the following two discount schemes on the sale of a watch having marked price ₹3,600.

(1)Two successive discounts of 15%.

(2)A discount of 10% followed by a discount of 20%.

What is the difference between the selling price of the watch in case (1) and case (2)?

Ans

- ☐ 1. ₹8
- ☒ 2. ₹9
- ☐ 3. ₹10
- ☐ 4. ₹11

Question ID : 26433061665

Status : Answered

Chosen Option : 2

Q.20 In a Hindi test of 100 marks, 11 students got 78 marks, 7 students got 80 marks, 5 students got 82 marks and 2 students got 86 marks. What was the average marks in Hindi?

Ans

- ☐ 1. 84
- ☐ 2. 86
- ☐ 3. 82
- ☒ 4. 80

Question ID : 26433061639

Status : Answered

Chosen Option : 4

Q.21 If the number 756534P57Q is divisible by 72, then find the value of $2P + Q$.

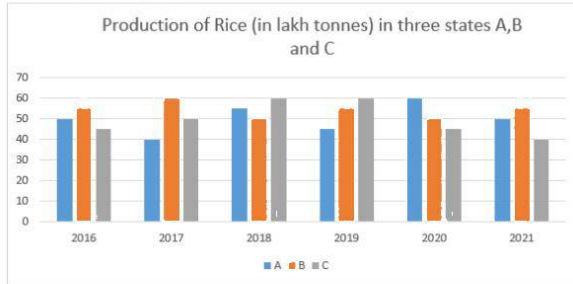
- Ans
- ☒ 1. 16
 - ☒ 2. 15
 - ☒ 3. 18
 - ☒ 4. 17

Question ID : 26433061633

Status : Answered

Chosen Option : 3

Q.22 Study the given graph and answer the question that follows.



The total rice production of state A in 2016 and 2017 is what percentage of the total rice production of state C in 2018 and 2019?

- Ans
- ☒ 1. 5%
 - ☒ 2. 120%
 - ☒ 3. 20%
 - ☒ 4. 75%

Question ID : 26433065103

Status : Answered

Chosen Option : 4

Q.23 If $a - b = 10$ and $ab = 4$, then the value of $a^3 - b^3 + 4(a+b)^2$ is:

- Ans
- ☒ 1. 1500
 - ☒ 2. 1584
 - ☒ 3. 1280
 - ☒ 4. 1623

Question ID : 26433058449

Status : Answered

Chosen Option : 2

Q.24 The value of the expression $\frac{4\sin^2 30^\circ + \cos^2 60^\circ - \tan^2 45^\circ}{2\sin 60^\circ \cos 30^\circ - \tan 45^\circ}$ is:

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

Question ID : 26433058436

Status : Answered

Chosen Option : 1

Q.25 Third proportional of 9 and 24 is:

- Ans ☒ 1. 64
☐ 2. 72
☐ 3. 48
☐ 4. 36

Question ID : 26433063330
Status : Answered
Chosen Option : 1

Section : General Awareness

Q.1 Which Rashtrakuta king adopted title of Jagat Tunga (prominent in the world)?

- Ans ☐ 1. Krishnaraja I
☒ 2. Govinda III
☐ 3. Dhruva
☐ 4. Indra II

Question ID : 26433077061
Status : Not Answered
Chosen Option : --

Q.2 The Central Universities (Amendment) Bill, 2021 seeks to establish a Central University in which of the following states/ Union territories?

- Ans ☐ 1. Gujarat
☐ 2. Andaman and Nicobar
☒ 3. Ladakh
☐ 4. Kashmir

Question ID : 26433077345
Status : Answered
Chosen Option : 4

Q.3 According to the Indian Councils Act 1861, for purposes of the legislation, the Governor-General's Council was reinforced by Additional members, not less than six and not more than twelve in number to be nominated by the Governor-General and holding office for:

- Ans ☐ 1. three years
☒ 2. two years
☐ 3. six years
☐ 4. five years

Question ID : 26433077005
Status : Answered
Chosen Option : 3

Q.4 According to the 2011 census, which of the following forms the largest religious minority in India?

- Ans ☒ 1. Muslims
☐ 2. Jains
☐ 3. Christians
☐ 4. Sikhs

Question ID : 26433054962
Status : Answered
Chosen Option : 2

Q.5 To which part of the Constitution of India was the Right to Property added after it was omitted from the chapter of the Fundamental Rights?

- Ans ☒ 1. Part XII
☐ 2. Part XI
☐ 3. Part XIII
☐ 4. Part XX

Question ID : 26433077094
Status : Marked For Review
Chosen Option : 2

Q.6 Where is Salim Ali National Park located in India?

- Ans ☐ 1. Kanha
☐ 2. Corbett
☐ 3. Bhadra
☒ 4. Srinagar

Question ID : 26433076973
Status : Marked For Review
Chosen Option : 4

Q.7 The proportion of workers in the agriculture sector in India has seen a decline in decades 2001 to 2011, which is a major cause of unemployment. Select the correct option with reference to the agriculture sector decline.

- Ans ☐ 1. 49.7% to 44.7%
☐ 2. 68.2% to 54.6%
☐ 3. 48.2% to 44.6%
☒ 4. 58.2% to 54.6%

Question ID : 26433067169
Status : Not Answered
Chosen Option : --

Q.8 In 1915, who wrote and published the ground-breaking book: 'The Origin of Continents and Oceans', which discusses the motion of Earth's continents?

- Ans ☐ 1. Harry Hess
☒ 2. Alfred Wegener
☐ 3. Edward Backus
☐ 4. Louis Bauer

Question ID : 26433077274
Status : Not Answered
Chosen Option : --

Q.9 When was air transport nationalised in India?

- Ans ☒ 1. 1953
☐ 2. 1950
☐ 3. 1952
☐ 4. 1951

Question ID : 26433076989
Status : Not Answered
Chosen Option : --

Q.10 Which is a peptide hormone secreted from the alpha cells of the pancreatic islets of Langerhans that is used along with emergency medical treatment to treat very low blood sugar?

- Ans
- ☐ 1. Calcitonin
 - ☐ 2. Erythropoietin
 - ☐ 3. Melatonin
 - ☒ 4. Glucagon

Question ID : 26433077287
Status : Answered
Chosen Option : 4

Q.11 Vinegar can be used as food preservative due to the presence of _____.

- Ans
- ☒ 1. acetic acid
 - ☐ 2. formic acid
 - ☐ 3. propionic acid
 - ☐ 4. carboxylic acid

Question ID : 26433054929
Status : Answered
Chosen Option : 1

Q.12 Which of the following Acts was NOT passed during the tenure of Viceroy Lord Lytton?

- Ans
- ☐ 1. The Vernacular Press Act
 - ☐ 2. The Arms Act
 - ☐ 3. The Royal Titles Act
 - ☒ 4. The Indian Telegraph Act

Question ID : 26433077047
Status : Answered
Chosen Option : 1

Q.13 What was the theme chosen by the Government of India for the 75th Independence Day?

- Ans
- ☐ 1. One Country, One People
 - ☐ 2. Support our Troops, Salute our Troops
 - ☐ 3. Atmanirbhar Bharat
 - ☒ 4. Nation First, Always First

Question ID : 26433076941
Status : Answered
Chosen Option : 3

Q.14 In 1912, who proposed the 'vitamin hypothesis', the concept that the deficiency diseases of beriberi, scurvy, pellagra and rickets are caused by the absence of specific chemical substances (in trace amounts) in the diet?

- Ans
- ☐ 1. Jonas Salk
 - ☒ 2. Casimir Funk
 - ☐ 3. David Baltimore
 - ☐ 4. Albert Sabin

Question ID : 26433077286
Status : Answered
Chosen Option : 2

Q.15 What is the name of the global summit for Climate Change 2021 in which Indian PM pledged net zero emissions target?

- Ans ☒ 1. UN Climate Change Conference of the Parties
☐ 2. Paris Agreement
☐ 3. Davos Agenda Summit
☐ 4. UN Framework Convention on Climate Change

Question ID : 26433077337

Status : Marked For Review

Chosen Option : 1

Q.16 In _____, Swami Dayananda Saraswati opened a branch of the Arya Samaj at Lahore.

- Ans ☐ 1. 1876
☐ 2. 1875
☒ 3. 1877
☐ 4. 1878

Question ID : 26433077030

Status : Not Answered

Chosen Option : --

Q.17 Who was the Governor of Punjab when Shri Charanjit Singh Channi took Oath as the Chief Minister?

- Ans ☐ 1. Smt. Vidya Sinha
☒ 2. Shri Banwarilal Purohit
☐ 3. Smt. Anandi Ben
☐ 4. Shri Bhagat Singh Koshyari

Question ID : 26433077389

Status : Marked For Review

Chosen Option : 3

Q.18 Which country won the Gold in women's 25m pistol team event at the ISSF World Cup 2021 held at New Delhi?

- Ans ☐ 1. Kazakhstan
☒ 2. India
☐ 3. Poland
☐ 4. Denmark

Question ID : 26433077366

Status : Not Answered

Chosen Option : --

Q.19 Who among the following Indian Cricketers is the autobiographer of 'Believe: What Life and Cricket Taught Me'?

- Ans ☒ 1. Suresh Raina
☐ 2. Sachin Tendulkar
☐ 3. Rahul Dravid
☐ 4. Virat Kohli

Question ID : 26433076926

Status : Answered

Chosen Option : 1

Q.20 When was the three-language policy implemented in India?

- Ans ☐ 1. 1969
☐ 2. 1971
☒ 3. 1968
☐ 4. 1970

Question ID : **26433077119**
Status : **Not Answered**
Chosen Option : --

Q.21 What is a Dzong in Buddhist architecture?

- Ans ☐ 1. King's palace
☐ 2. Local residences
☐ 3. Guesthouse
☒ 4. Fortress - Monastery

Question ID : **26433070823**
Status : **Answered**
Chosen Option : 1

Q.22 Which of the following forms of dance is performed by Kumudini Lakhia ?

- Ans ☒ 1. Kathak
☐ 2. Kathakali
☐ 3. Manipuri
☐ 4. Bharatanatyam

Question ID : **26433071640**
Status : **Not Answered**
Chosen Option : --

Q.23 In order to stand for Lok Sabha election, a candidate must be at least:

- Ans ☐ 1. 21 years old
☒ 2. 25 years old
☐ 3. 35 years old
☐ 4. 30 years old

Question ID : **26433054103**
Status : **Answered**
Chosen Option : 2

Q.24 The Padma Shri 2022 awardee duo of Nalini and Kamalini Asthana are known for which gharana of Kathak dance?

- Ans ☐ 1. Lucknow
☒ 2. Benaras
☐ 3. Rajgarh
☐ 4. Jaipur

Question ID : **26433076901**
Status : **Not Answered**
Chosen Option : --

Q.25 Unique school visit campaign 'Meet the Champions' was jointly organised by which of the following ministries?

Ans  1. Ministry of Education and Ministry of Youth Affairs

 2. Ministry of Youth and Ministry of Ayush

 3. Ministry of Youth Affairs and Ministry of Women and Child Welfare

 4. Ministry of Education and Ministry of Women and Child Welfare

Question ID : **26433077397**

Status : **Answered**

Chosen Option : **1**