

Selection Post Examination Phase XII 2024

Exam Date	20/06/2024
Exam Time	2:30 PM - 3:30 PM
Subject	Selection Post Graduate level

Section : General Intelligence

Q1 In a certain code language, ROSE is coded as 51 and WAX is coded as 33. How will FOX be coded in that language?

Ans 1. 40
 2. 31
 3. 35
 4. 36

Q2 In a certain code language, 'WBRP' is coded as '59' and 'MSAQ' is coded as '50'. How will 'FUZJ' be coded in that language?

Ans 1. 58
 2. 54
 3. 69
 4. 63

Q3 In a certain code language,
A + B means 'A is the mother of B'
A - B means 'A is the brother of B'
A × B means 'A is the wife of B'
A # B means 'A is the father of B'
Based on the above, how is W related to P if 'W - V + T # R × S - P'?

Ans 1. Brother's wife's father's mother's father
 2. Wife's father's mother's father
 3. Wife's father's mother's brother
 4. Brother's wife's father's mother's brother

Q4 Which two signs should be interchanged to make the given equation correct?

$$289 + 17 \times 12 \div 216 - 300 = 120$$

Ans 1. ÷ and +
 2. - and +
 3. + and ×
 4. ÷ and -

Q5 In a certain code language, 'CAN' is written as '63', and 'TWO' is written as '23'. How will 'USE' be written in that language?

Ans 1. 36
 2. 33
 3. 43
 4. 51

Q6 Select the letter from among the given options that can replace the question mark (?) in the following series.

Y, W, T, P, K, ?

Ans 1. F
 2. G
 3. H
 4. E

Q.7 In a certain code language,

'A + B' means 'A is the mother of B',

'A - B' means 'A is the brother of B',

'A \times B' means 'A is the wife of B',

'A \div B' means 'A is the father of B'.

Based on the above information, how is R's daughter related to T if 'P + Q \div R \times S - T \div U'?

Ans 1. Brother's son

2. Brother's father

3. Brother's daughter

4. Brother's wife

Q.8 In a certain code language, 'you were there' is coded as 'pu sg ka' and 'there are branches' is coded as 'sg np tu'. How is 'there' coded in the given language?

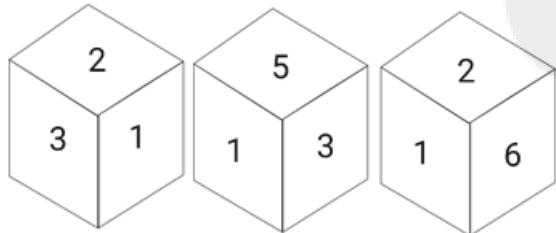
Ans 1. pu

2. sg

3. np

4. ka

Q.9 Six numbers 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three positions of this dice are shown in the given figure. Find the number on the face opposite to the number 3.



Ans 1. 2

2. 6

3. 1

4. 4

Q.10 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Campus

2. Calendar

3. Capture

4. Capital

5. Calculate

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

2. 5, 3, 2, 1, 4

3. 3, 2, 1, 4, 5

4. 3, 5, 4, 2, 1

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.

(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)

North America : Mexico :: South America : ?

Ans 1. Venezuela

2. Jamaica

3. Frankfurt

4. Cranberry

Q.12 26 is related to 12 following a certain logic. Following the same logic, 36 is related to 18. Which of the following is related to 20 using the same logic?

Ans 1. 42

2. 45

3. 53

4. 35

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.

SCATTER : TBBSUDS :: RESPECT : SDTOFBU :: SUCCESS : ?

Ans 1. RTBDFTR

2. TTDBFRT

3. TTDBFTR

4. TTBDFTTR

Q.14 In a certain code language, 'break the wall' is written as 'jl mt hk' and 'wall is black' is written as 'zy hk bs'. How is 'wall' written in the given language?

Ans 1. bs

2. zy

3. jl

4. hk

Q.15 In a code language, 'THENW' is coded as 'WNEHT' and 'HOVER' is coded as 'REVOH'. How will 'SWAMP' be coded in the same language?

Ans 1. PAWMS

2. PWAMS

3. PMAWS

4. PMBWS

Q.16 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.

SPEAK : ROIEJ :: THEIR : SGIOQ :: BEING : ?

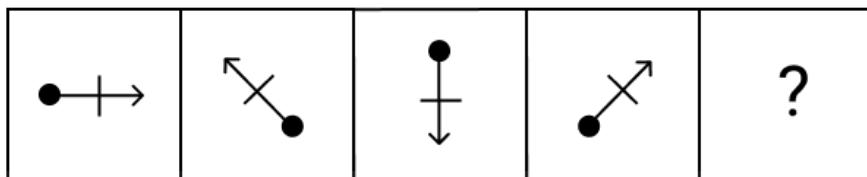
Ans 1. BIONF

2. AIOMF

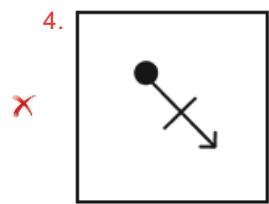
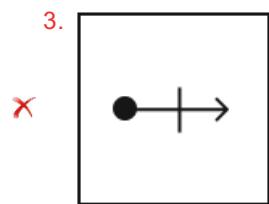
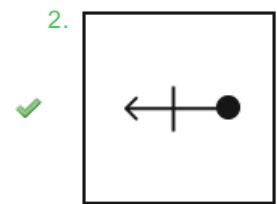
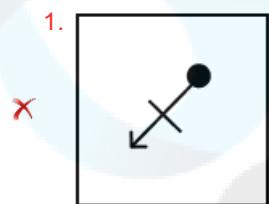
3. AIONF

4. BOINF

Q.17 Identify the figure which when put in place of the question mark (?) will logically complete the series.



Ans



Q.18 Select the correct mirror image of the given figure when the mirror is placed at MN as shown.



Ans

- 1. 39641
- 2. 14093
- 3. 14003
- 4. 30041

Q.19 Select the number from among the given options that can replace the question mark (?) in the following series.

15, 20, 45, 170, ?

Ans

- 1. 840
- 2. 795
- 3. 520
- 4. 645

Q.20 Select the option that is related to the third word in the same way as the second word is related to the first word
Metal : Ore :: Rubber : ?

Ans

- 1. Jute
- 2. Fibre
- 3. Latex
- 4. Flare

Q.21 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All motors are ships.
Some ships are bowls.
No ship is a hammer.

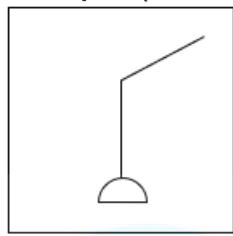
Conclusions:

(I) Some motors are hammers.
(II) Some bowls are motors.
(III) Some bowls are not hammers.

Ans

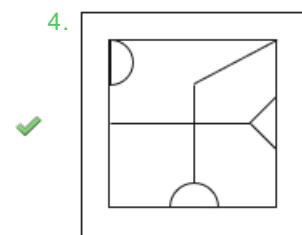
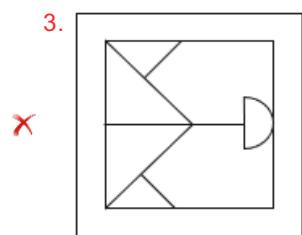
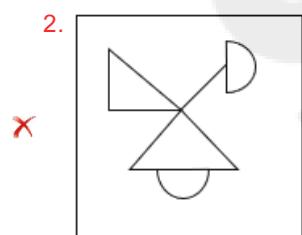
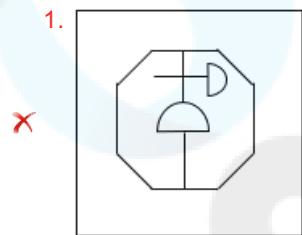
- 1. Only conclusion III follows
- 2. Only conclusion I follows
- 3. All the conclusions I, II and III follow
- 4. Either conclusion I or conclusion III follows

Q.22 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(X)

Ans



Q.23 Select the option that indicates the correct arrangement of the given words in a logical and meaningful order.

1. Fox
2. Lion
3. Caterpillar
4. Leaf
5. Bird

Ans ✓ 1. 4, 3, 5, 1, 2

✗ 2. 4, 3, 1, 2, 5

✗ 3. 3, 4, 5, 1, 2

✗ 4. 1, 2, 5, 3, 4

Q.24 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

P _ P _ _ B _ _ P B _ _

Ans 1. PPBBBPP

2. BPBBPPB

3. PBBBBPB

4. BPPPPPP

Q.25 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 conclusions logically follow(s) from the statements.

Statements:

Some markers are frogs.

All frogs are combs.

No comb is a stove.

Conclusions:

I. All markers being stove is a possibility.

II. Some combs are markers.

Ans 1. Both conclusions I and II follow

2. Only conclusion I follows

3. Neither conclusion I nor II follows

4. Only conclusion II follows

Section : General Awareness

Q1 In October 2020, which of the following Ministries launched the Ayushman Sahakar Scheme, to assist cooperatives in the creation of healthcare infrastructure?

Ans 1. Ministry of Health and Family Welfare

2. Ministry of Agriculture and Farmers Welfare

3. Ministry of Corporate Affairs

4. Ministry of Commerce and Industry

Q2 Compounds like gingerol, paradol, shogaols and zingerone are:

Ans 1. antifungal compounds found in ginger

2. antimicrobial compounds found in citrus fruits

3. antimicrobial compounds found in ginger

4. antimicrobial compounds found in turmeric

Q3 Sir Garfield Sobers Trophy is related to which of the following sports events?

Ans 1. Tennis

2. Football

3. Hockey

4. Cricket

Q.4 The battle of Plassey was fought between the East India Company, force headed by Robert Clive, and the Nawab of Bengal, _____ in 1757.

Ans 1. Mir Jafar

2. Siraj-Ud-Daulah

3. Mir Qasim

4. Shah Alam

Q.5 Which of the following Union territories has the lowest population as per census 2011?

Ans 1. Dadra and Nagar Haveli
 2. Lakshadweep
 3. Daman and Diu
 4. Andaman and Nicobar

Q.6 Which of the following Sultans of Delhi set up the officers like Barid (intelligence officer) and Munhiyans (secret spies) to control the market?

Ans 1. Alauddin Khalji
 2. Ghiyasuddin Balban
 3. Muhammad Bin Tughlaq
 4. Shamsuddin Iltutmish

Q.7 According to the global Multidimensional Poverty Index (MPI) 2021, India's rank is _____ out of 109 countries.

Ans 1. 101
 2. 66
 3. 63
 4. 98

Q.8 Which Article of the Indian Constitution mentions that every religious denomination or section shall have the right to own and acquire movable and immovable property?

Ans 1. Article 26(c)
 2. Article 26(b)
 3. Article 26(a)
 4. Article 26(d)

Q.9 Flowerless plants, naked seeds, needle like leaves and cones as reproductive structure are the characteristics of:

Ans 1. bryophyta
 2. gymnosperms
 3. angiosperms
 4. pteridophyta

Q.10 'Moatsu' is a religious festival celebrated in which of the following states?

Ans 1. Himachal Pradesh
 2. Mizoram
 3. Nagaland
 4. Chhattisgarh

Q.11 Sangeet Natak Akademi Award winner Deepak Mazumdar is an exponent of _____.

Ans 1. Sattriya
 2. Bharatanatyam
 3. Kuchipudi
 4. Manipuri

Q.12 The historical Sher Shah Suri Marg is called the National Highway no. _____ between Delhi and Amritsar.

Ans 1. 7
 2. 3
 3. 9
 4. 1

Q.13 What is the annual income threshold for parents of government school students to enrol in private schools under the 'Chirag' scheme in Haryana?

Ans 1. Less than ₹1 lakh
 2. Less than ₹50,000
 3. Less than ₹2 lakh
 4. Less than ₹1.8 lakh

Q.14 Vedantam Satyanarayana Sarma is associated with which of these dances?

Ans 1. Manipuri
 2. Kuchipudi
 3. Bharatanatyam
 4. Kathak

Q.15 The first musician to be awarded with the highest civilian award of India, the 'Bharat Ratna' was _____.

Ans 1. Madurai Mani Iyer
 2. Lalitha Venkataraman
 3. MS Subbulakshmi
 4. Sudha Ragunathan

Q.16 Who among the following was one of the founders of the Swaraj Party?

Ans 1. Jawahar Lal Nehru
 2. Chittaranjan Das
 3. Bal Gangadhar Tilak
 4. Subhas Chandra Bose

Q.17 In which of the following states of India is the largest salt water lake, the Chilika lake, located?

Ans 1. Tamil Nadu
 2. Odisha
 3. Kerala
 4. Andhra Pradesh

Q.18 Which of the following is the earliest literary record of Indian culture?

Ans 1. Yajurveda
 2. Rigveda
 3. Atharvaveda
 4. Samaveda

Q.19 As of July 2023, who is the governor of Uttar Pradesh?

Ans 1. Sudarshan Agarwal
 2. Anandiben Patel
 3. Ram Naik
 4. TV Rajeswar

Q.20 When did the United Nations declare the World Physics Year, also known as the Einstein Year, to mark the 100th anniversary of the physicist Albert Einstein?

Ans 1. 2006
 2. 2005
 3. 2004
 4. 2002

Q.21 The Trimbakeshwar Temple, which is situated in Nashik, Maharashtra, was built by:

Ans 1. Balaji Baji Rao
 2. Maharaja Ganga Singh
 3. Shivaji
 4. Maharana Pratap

Q.22 Which Article of the Indian Constitution mentions that 'In the performance of his/her duties, the Attorney-General for India shall have the right of audience in all the courts in the territory of India'?

Ans 1. Article 76(2)
 2. Article 76(1)
 3. Article 76(3)
 4. Article 76(4)

Q.23 According to the Koppen climate classification system, 'Am' is the code for which type of climate?

Ans 1. Humid subtropical climate
 2. Marine west coast climate
 3. Tropical monsoon climate
 4. Tropical wet and dry climate

Q.24 Under which Schedule of the Indian Constitution is the form of oath or affirmation for a Judge of the Supreme Court mentioned?

Ans 1. Second Schedule
 2. Fourth Schedule
 3. First Schedule
 4. Third Schedule

Q.25 Which of the following is the autobiography of Abul Kalam Azad, the first Education Minister of free India?

Ans 1. The Test of My Life
 2. Unbreakable
 3. India Wins Freedom
 4. The Road Ahead

Section : Quantitative Aptitude

Q.1 A wrist watch was purchased for ₹3,000 and sold for ₹3,500. Find the profit percentage.

Ans 1. 20.50%
 2. 18.33%
 3. 16.66%
 4. 19.58%

Q.2 Find the area (in cm^2) of a circle with a maximum radius that can be inscribed in a rectangle of length 18 cm and breadth 12 cm.

Ans 1. 28π
 2. 36π
 3. 136π
 4. 72π

Q.3 Simplify the following expression:
$$\frac{0.7^2 + (0.4 + 0.2)(0.7) + (0.4 \times 0.2)}{(0.7 + 0.4)}$$

Ans 1. 0.4
 2. 0.7
 3. 0.3
 4. 0.9

Q.4 If x^2-1 , $2x$ and x^2+1 are the three sides of a right angled triangle, then which of the following can be its hypotenuse?

Ans 1. $x^2 - 1$
 2. $x^2 + 1$
 3. x^2
 4. $2x$

Q.5 The area of a sector of a circle is 88 cm^2 and the angle of the sector is 36° . Find the radius (in cm) of the circle. [Use $\pi = \frac{22}{7}$.]

Ans 1. $3\sqrt{70}$
 2. $5\sqrt{70}$
 3. $\sqrt{70}$
 4. $2\sqrt{70}$

Q.6 Which of the following numbers is divisible by 9?

Ans 1. 132490
 2. 553986
 3. 941201
 4. 350846

Q.7 A sum of ₹1,250 is lent on simple interest at a rate of $5\frac{1}{2}\%$ per annum for three years. Find the interest (in ₹).

Ans 1. 206.25
 2. 200.00
 3. 215.75
 4. 210.25

Q.8 The average of 12 numbers is 47. The average of the first 5 numbers is 45 and the average of the next 4 numbers is 52. If the 10th number is 10 less than the 11th number and is 5 more than the 12th number, then what is the average value of the 11th and 12th numbers?

Ans 1. 46.5
 2. 47.5
 3. 44.5
 4. 42.5

Q.9 If the semi-perimeter and area of a rectangular field whose length and breadth are 'x' and 'y' is 12 cm and 28 cm^2 , respectively, then find the value of $x^4 + x^2y^2 + y^4$.

Ans 1. 6609
 2. 6906
 3. 6960
 4. 6690

Q.10 The area of the rhombus (in cm^2) having each side equal to 13 cm and one of its diagonals equal to 24 cm is:

Ans 1. 60
 2. 130
 3. 110
 4. 120

Q.11 If $\sin A + \cos A = \frac{4}{3}$, then find the value of $\tan A + \cot A$.

Ans 1. $\frac{7}{18}$
 2. $\frac{18}{7}$
 3. $\frac{3}{4}$
 4. $\frac{4}{3}$

Q.12 If a 9-digit number $389x6378y$ is divisible by 72, then the value of $6x + 7y$ is:

Ans 1. 16
 2. 28
 3. 64
 4. 32

Q.13 If $\tan \theta + \cot \theta = 2$, then find the value of $\tan^{53} \theta + \cot^{38} \theta$.

Ans 1. 0
 2. 2
 3. 1
 4. -1

Q.14 In a 150-m race, if R gets a 5-metre head start, then he would beat S by 35 metres. If S gets a 25-metre head start in a 100-metre race, then _____ would win the race by _____ metres.

Ans 1. S; 5.44
 2. S; 4.44
 3. R; 5.44
 4. R; 4.44

Q.15 Eight labourers working 10 hours a day completed a work in 18 days. If only 5 labourers are working, then in how many hours a day should they work to finish the work in 24 days?

Ans 1. 10 hours
 2. 12 hours
 3. 8 hours
 4. 9 hours

Q.16 If $A : B = 8 : 13$, $B : C = 5 : 8$ and $C : D = 4 : 5$, then $A : B : C : D$ is equal to:

Ans 1. 20 : 50 : 105 : 119
 2. 40 : 65 : 104 : 130
 3. 40 : 60 : 103 : 112
 4. 38 : 65 : 111 : 120

Q.17 The median AD of a triangle ABC is produced and a perpendicular CF is dropped on it. BE is perpendicular to AD. If BC = 34 cm and DF = 8 cm, what is the length (in cm) of BE?

Ans 1. 9
 2. 17
 3. 15
 4. 19

Q.18 Reyan purchased a laptop for ₹56,000 and a scanner-cum-printer for ₹22,000. He sold the laptop for a 20% profit and the scanner-cum-printer for a 15% profit. What is his profit percentage?

Ans 1. $18\frac{23}{39}$
 2. $18\frac{21}{37}$
 3. $12\frac{21}{37}$
 4. $12\frac{23}{39}$

Q.19 Which of the following schemes will yield maximum discount on purchase of ₹x?

- 1) 2 successive discounts of 25% and 15%
- 2) Single discount of 20%
- 3) 2 free on purchase of 3 items
- 4) 3 free on purchase of 7 items

Ans 1. Scheme 2
 2. Scheme 4
 3. Scheme 3
 4. Scheme 1

Q.20 Simplify the expression $(0.3-0.2)(0.32+0.3\times 0.2+0.22)$.

Ans 1. 0.019
 2. 0.053
 3. 0.027
 4. 0.035

Q.21 A truck travels 75 km in the first hour and 33 km in the second hour. Find the average speed of the truck (in km/h).

Ans 1. 60
 2. 54
 3. 108
 4. 42

Q.22 PQ is a diameter of a circle and PS is a chord. If PQ is 82 cm and PS is 80 cm, the distance (in cm) of PS from the center of the circle is:

Ans 1. 18
 2. 9
 3. 24
 4. 39

Q.23 Ramesh spends 60% of his income. If his income is increased by 30% and his expenditure is increased by 20%, then the percentage increase in the savings of Ramesh will be:

Ans 1. 35%
 2. 45%
 3. 30%
 4. 50%

Q.24 In an election, there were only two candidates. 12% of the voters did not cast their votes. The winner by obtaining 60% of the total votes defeated his opposite contestant by 1200 votes. Find the total number of votes.

Ans 1. 4000
 2. 3750
 3. 3570
 4. 5730

Q.25 A and B can do a work in 15 days and 30 days, respectively. They start working together, but A leaves after 3 days. How much time will B take to complete the remaining work?

Ans 1. 21 days
 2. 24 days
 3. 32 days
 4. 28 days

Section : English Language

Q1 Select the option that expresses the given sentence in active voice.
The animals were frightened by the noise.

Ans 1. The animals frightened the noise.
 2. The noise had frightened the animals.
 3. The noise frightened the animals.
 4. The noise frightened the animal.

Q2 Select the option that expresses the given sentence in indirect speech.
The employee said, "I somehow managed to submit the project last night."

Ans 1. The employee said that he had somehow managed to submit the project the previous night.
 2. The employee said that he had somehow managed to submit the project last night.
 3. The employee said that I have somehow managed to submit the project last night.
 4. The employee said that I somehow managed to submit the project the previous night.

Q3 Select the most appropriate synonym of the given word.
Envoy

Ans 1. Ambassador
 2. Carrier
 3. Chief
 4. Receiver

Q4 Select the most appropriate option to fill in the blank.

It is a proven fact that _____ living being can survive without water.

Ans 1. none
 2. no
 3. any
 4. neither

Q5 Parts of the following sentence have been given as options. Select the option that contains an error.

King Solomon of Israel is said to be one of a wisest man who ruled the earth.

Ans 1. King Solomon of Israel
 2. who ruled the earth.
 3. is said to be one
 4. of a wisest man

Q6 Select the most appropriate meaning of the underlined idiom.

We should teach our wards not to look down upon anybody in human society.

Ans 1. Kneel down
 2. Guess on something
 3. Despise somebody
 4. Talk leniently

Q7 In the following sentence, four words are given in underlined out of which one word is misspelt. Identify the INCORRECTLY spelt word. And so he was (A), for, as shelaughed (B) and talked, Jo hadwhiskd (C) things into place and given quite (D) a different air to the room.

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

Q8 Parts of the following sentence have been given as options. Select the option that contains an error.

He was consulted seldom by his colleagues while making important decisions on financial matters.

Ans 1. decisions on financial matters.
 2. He was consulted seldom
 3. while making important
 4. by his colleagues

Q9 Select the option that can be used as a one-word substitute for the given group of words.

A person who investigates, reports on, and helps settle complaints

Ans 1. Bildungsroman
 2. Spokesman
 3. Superhuman
 4. Ombudsman

Q.10 Select the most appropriate ANTONYM of the underlined word in the following sentence.

The students were asked to assemble in the meeting hall.

Ans 1. Collect
 2. Gather
 3. Dispersed
 4. Put together

Q.11 Select the option that expresses the given sentence in direct speech.

The teacher said that plants have life in them.

Ans 1. The teacher says, "A plant has life in them."
 2. The teacher said, "Plants have life in them."
 3. The teacher said, "Plants too have life in them."
 4. The teacher said, "The plants had life in them."

Q.12 Select the most appropriate option that can substitute the underlined segment in the given sentence.

I have been yet to go to the flower exhibition at Delhi University.

Ans 1. had been yet
 2. have yet being
 3. have yet
 4. have yet been

Q.13 Select the INCORRECTLY spelt word.

Ans 1. Experience
 2. Noticeable
 3. Intterupt
 4. Commodity

Q.14 Select the most appropriate ANTONYM of the underlined word in the given sentence.

The bowler signalled the wicket-keeper to catch the ball.

Ans 1. Give
 2. Change
 3. Drop
 4. Throw

Q.15 Select the option that expresses the given sentence in active voice.

English will be taught by Mr. Jha.

Ans 1. Mr. Jha will teach English.
 2. Mr. Jha would teach English.
 3. Mr. Jha teaches English.
 4. English would be taught by Mr. Jha.

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of alternatives given. Select the most appropriate option for each number.

The roots of some plants get swollen with the (1) _____ of storage food which can be used as vegetables. The plants which have such roots are called root crops. These are (2)_____ staple foods with (3) _____ giving carbohydrates. These also have large water (4)_____. Some (5)_____ are carrots, beetroots, radishes, turnip, sweet potato etc.

SubQuestion No : 16

Q16 Select the most appropriate option to fill in blank number 1.

Ans 1. presence
 2. occupancy
 3. residence
 4. existence

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of alternatives given. Select the most appropriate option for each number.

The roots of some plants get swollen with the (1) _____ of storage food which can be used as vegetables. The plants which have such roots are called root crops. These are (2)_____ staple foods with (3) _____ giving carbohydrates. These also have large water (4)_____. Some (5)_____ are carrots, beetroots, radishes, turnip, sweet potato etc.

SubQuestion No : 17

Q17 Select the most appropriate option to fill in blank number 2.

Ans 1. nutritious
 2. unhealthy
 3. fattening
 4. peptic

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of alternatives given. Select the most appropriate option for each number.

The roots of some plants get swollen with the (1) _____ of storage food which can be used as vegetables. The plants which have such roots are called root crops. These are (2)_____ staple foods with (3) _____ giving carbohydrates. These also have large water (4)_____. Some (5)_____ are carrots, beetroots, radishes, turnip, sweet potato etc.

SubQuestion No : 18

Q18 Select the most appropriate option to fill in blank number 3.

Ans 1. capacity
 2. energy
 3. strength
 4. power

Comprehension:

In the following passage some words have been deleted, Fill in the blanks with the help of alternatives given. Select the most appropriate option for each number.

The roots of some plants get swollen with the (1) _____ of storage food which can be used as vegetables. The plants which have such roots are called root crops. These are (2)_____ staple foods with (3) _____ giving carbohydrates. These also have large water (4)_____. Some (5)_____ are carrots, beetroots, radishes, turnip, sweet potato etc.

SubQuestion No : 19

Q19 Select the most appropriate option to fill in blank number 4

Ans 1. utility
 2. gain
 3. content
 4. worth

Comprehension:

In the following passage some words have been deleted, Fill in the blanks with the help of alternatives given. Select the most appropriate option for each number.

The roots of some plants get swollen with the (1) _____ of storage food which can be used as vegetables. The plants which have such roots are called root crops. These are (2)_____ staple foods with (3) _____ giving carbohydrates. These also have large water (4)_____. Some (5)_____ are carrots, beetroots, radishes, turnip, sweet potato etc.

SubQuestion No : 20

Q20 Select the most appropriate option to fill in blank number 5.

Ans 1. samples
 2. case
 3. illustration
 4. examples

Comprehension:

Read the given passage and answer the questions that follow.

The advancement of science has brought about profound changes in every aspect of our lives, from medical treatment to the way we communicate. The capacity of artificial intelligence, sometimes known as AI, to accomplish jobs that previously required human intellect has caused a revolution in a number of different sectors. The altering of organisms' genetic composition, which is made possible through genetic engineering, provides answers for issues relating to food security and renewable energy. Technologies that utilise renewable energy sources, such as solar panels and wind turbines, help to lower the emissions of greenhouse gases. Manufacturing has been radically altered with the introduction of 3D printing, and the Internet of Things (IoT) has enabled better resource management via the connection of previously disconnected ordinary products. Because of the tremendous effects these technologies have on society, their use must be carefully considered from an ethical standpoint.

SubQuestion No : 21

Q21 According to the passage, by linking which sort of products do the Internet of Things (IoT) provide improved resource management?

Ans 1. Artificial Intelligence (AI) technologies
 2. 3D printing technologies
 3. Previously disconnected ordinary products
 4. Renewable energy technologies

Comprehension:

Read the given passage and answer the questions that follow.

The advancement of science has brought about profound changes in every aspect of our lives, from medical treatment to the way we communicate. The capacity of artificial intelligence, sometimes known as AI, to accomplish jobs that previously required human intellect has caused a revolution in a number of different sectors. The altering of organisms' genetic composition, which is made possible through genetic engineering, provides answers for issues relating to food security and renewable energy. Technologies that utilise renewable energy sources, such as solar panels and wind turbines, help to lower the emissions of greenhouse gases. Manufacturing has been radically altered with the introduction of 3D printing, and the Internet of Things (IoT) has enabled better resource management via the connection of previously disconnected ordinary products. Because of the tremendous effects these technologies have on society, their use must be carefully considered from an ethical standpoint.

SubQuestion No : 22

Q22 Which of the following best captures the underlying theme of the passage?

Ans 1. The connection between renewable energy and greenhouse gas emissions
 2. The ethical considerations of artificial intelligence (AI) in society
 3. The impact of scientific advancements on medical treatment
 4. The transformative power of technology in tourism sector

Comprehension:

Read the given passage and answer the questions that follow.

The advancement of science has brought about profound changes in every aspect of our lives, from medical treatment to the way we communicate. The capacity of artificial intelligence, sometimes known as AI, to accomplish jobs that previously required human intellect has caused a revolution in a number of different sectors. The altering of organisms' genetic composition, which is made possible through genetic engineering, provides answers for issues relating to food security and renewable energy. Technologies that utilise renewable energy sources, such as solar panels and wind turbines, help to lower the emissions of greenhouse gases. Manufacturing has been radically altered with the introduction of 3D printing, and the Internet of Things (IoT) has enabled better resource management via the connection of previously disconnected ordinary products. Because of the tremendous effects these technologies have on society, their use must be carefully considered from an ethical standpoint.

SubQuestion No : 23

Q23 Which of the following statements concerning the effects of scientific advancements may be derived from the passage?

Ans 1. There is no longer any need for human intelligence since AI has taken over every field.
 2. Scientific innovations have the potential to revolutionise various sectors and improve efficiency in society.
 3. The only way to solve problems with food security and renewable energy is through genetic engineering.
 4. The development of renewable energy technologies has led to a complete elimination of greenhouse gas emissions.

Comprehension:

Read the given passage and answer the questions that follow.

The advancement of science has brought about profound changes in every aspect of our lives, from medical treatment to the way we communicate. The capacity of artificial intelligence, sometimes known as AI, to accomplish jobs that previously required human intellect has caused a revolution in a number of different sectors. The altering of organisms' genetic composition, which is made possible through genetic engineering, provides answers for issues relating to food security and renewable energy. Technologies that utilise renewable energy sources, such as solar panels and wind turbines, help to lower the emissions of greenhouse gases. Manufacturing has been radically altered with the introduction of 3D printing, and the Internet of Things (IoT) has enabled better resource management via the connection of previously disconnected ordinary products. Because of the tremendous effects these technologies have on society, their use must be carefully considered from an ethical standpoint.

SubQuestion No : 24

Q24 Which technologies are stated in the text as utilising renewable or green energy sources?

Ans 1. Medical treatment and communication
 2. Genetic engineering and 3D printing
 3. Artificial Intelligence (AI) and the Internet of Things (IoT)
 4. Solar panels and wind turbines

Comprehension:

Read the given passage and answer the questions that follow.

The advancement of science has brought about profound changes in every aspect of our lives, from medical treatment to the way we communicate. The capacity of artificial intelligence, sometimes known as AI, to accomplish jobs that previously required human intellect has caused a revolution in a number of different sectors. The altering of organisms' genetic composition, which is made possible through genetic engineering, provides answers for issues relating to food security and renewable energy. Technologies that utilise renewable energy sources, such as solar panels and wind turbines, help to lower the emissions of greenhouse gases. Manufacturing has been radically altered with the introduction of 3D printing, and the Internet of Things (IoT) has enabled better resource management via the connection of previously disconnected ordinary products. Because of the tremendous effects these technologies have on society, their use must be carefully considered from an ethical standpoint.

SubQuestion No : 25

Q25 According to the paragraph, which phrase describes computers capacity to undertake human-intelligence-based tasks?

Ans 1. Artificial Intelligence
 2. Profound
 3. Revolution
 4. Communication