

Multi Tasking Non Technical Staff and Havaladar CBIC and CBN Examination 2024

Exam Date	01/10/2024
Exam Time	12:30 PM - 2:30 PM
Subject	MTS Non Tech Havaladar CBIC and CBN Examination 2024

Section : Numerical and Mathematical Ability

Q.1 If the curved surface area of a cylindrical pipe is $44,000 \text{ cm}^2$ and its diameter is 5 cm, find its length.

(Take $\pi = \frac{22}{7}$)

Ans A). 19 m B). 24.5 m C). 28 m D). 14 m

Correct Answer: C

Q.2 A solid cylinder with a height of 8 units and a radius of 3.5 units is to be covered with a paper sheet. If the cost of the paper sheet is ₹40 per 5 square units, the cost (in ₹) of covering the cylinder is _____ (take $\pi = \frac{22}{7}$).

Ans A). 2268 B). 1664 C). 2024 D). 1012

Correct Answer: C

Q.3 A class of 30 students appeared in a test. The average score of 12 students is 80, and that of the rest is 70. What is the average score of the class?

Ans A). 74 B). 77 C). 87 D). 67

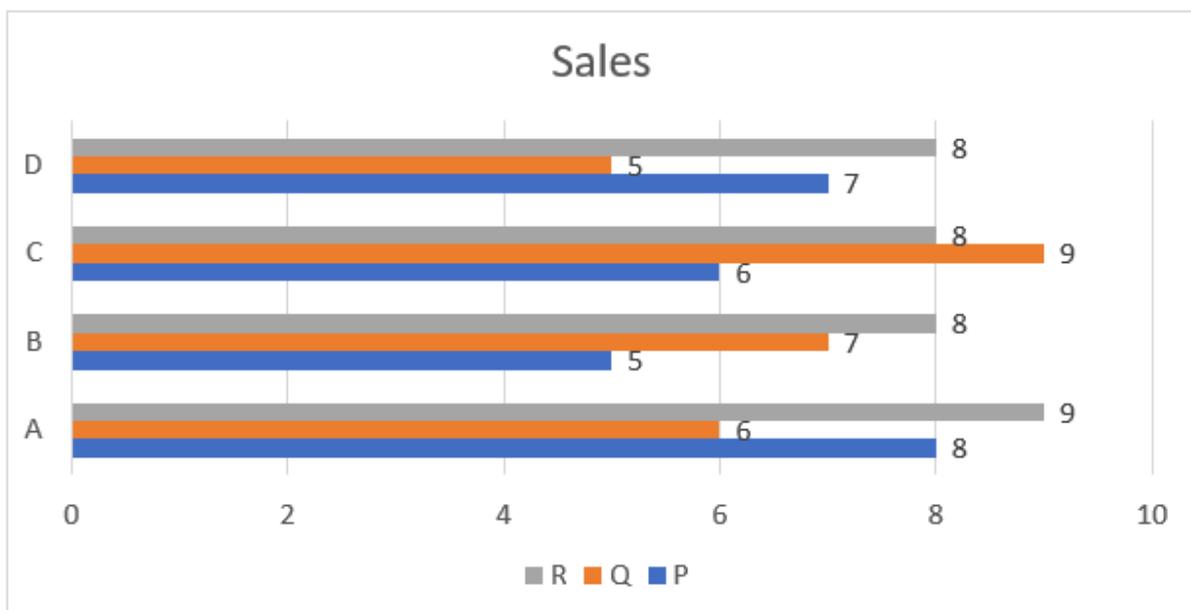
Correct Answer: A

Q.4 Find the simple interest (in ₹) on ₹2500 as a sum borrowed at 4% per year rate of interest for 4 years.

Ans A). 440 B). 400 C). 360 D). 340

Correct Answer: B

Q.5 Study the given graph and answer the question that follows.
The graph shows the sales of three products: P, Q and R by four companies: A, B, C and D.



How much more in percentage is the total sales of R than total sales of P (rounded off to one decimal place)?

Ans A). 26.9% B). 26.2% C). 22.9% D). 29.6%

Correct Answer: A

Q.6 A shopkeeper makes a 15% profit on a sale. He would have made 18%, if he had sold it for Rs.18 more. The cost price of the article is:

Ans A). Rs.650 B). Rs.550 C). Rs.600 D). Rs.500

Correct Answer: C

Q.7 Find the HCF of 24, 36 and 60.

Ans A). 12 B). 360 C). 4 D). 6

Correct Answer: A

Q.8 A 725 m long train passes through a 235 m long tunnel in 48 sec. Find the speed of the train.

Ans A). 66 km/h B). 54 km/h C). 72 km/h D). 82 km/h

Correct Answer: C

Q.9 The number of three different types of motor bikes B1, B2, and B3 manufactured by a company in three months is given in the following table. Study the given table carefully and answer the question that follows.

Motor Bikes / Months	October	November	December
B1	107	121	145
B2	95	100	80
B3	43	40	20

What is the average number of motor bikes manufactured by the company in the month of November?

Ans A). 89 B). 87 C). 86 D). 88

Correct Answer: B

Q.10 A merchant has 5000 kg of Basmati rice. He sells some part of this Basmati rice at 20% profit and the rest at 35% profit. He gains 29% in the entire transaction. What is the quantity sold at 20% profit and 35% profit, respectively?

Ans A). 2600 kg, 2400 kg B). 2200 kg, 2800 kg C). 1800 kg, 3200 kg D). 2000 kg, 3000 kg

Correct Answer: D

Q.11 If tea that costs ₹7.50 per kg is mixed with tea that costs ₹10.50 per kg in the proportion of 2 : 1 then, what is the cost (in ₹) of the resultant mixture per kg?

Ans A). 7.00 B). 8.50 C). 7.50 D). 9.00

Correct Answer: B

Q.12 A train travelling at a speed of 60 km/h leaves station A at 7:00 a.m. and another train travelling at a speed of 84 km/h starts from station A at 9:30 a.m. in the same direction on a parallel track. At what distance (in km) from station A and after how many hours of travel of the second train will they be together? Express your answer in the same order.

Ans A). 693, 8.25 B). 525, 6.25 C). 375, 6.25 D). 495, 8.25

Correct Answer: B

Q.13 A hemispherical bowl is of radius 7.7 cm. It is to be painted from inside as well as outside. Find the cost (in ₹) of painting the bowl at a rate of ₹17 per 7 cm².

$$\left[\text{Take } \pi = \frac{22}{7} \right]$$

Ans A). 1810.16 B). 745.36 C). 1025.24 D). 1620.35

Correct Answer: A

Q.14 Find the simple interest (in ₹) on ₹2500 as a sum borrowed at 4% per year rate of interest for 5 years.

Ans A). 460 B). 440 C). 540 D). 500

Correct Answer: D

Q.15 A person deposited ₹2,500 in a bank that pays 8% simple interest. He withdrew ₹1,000 (from amount) at the end of the first year. What will be his balance after 4 years?

Ans A). ₹2,018 B). ₹2,108 C). ₹2,480 D). ₹2,280

Correct Answer: B

Q.16 By selling an article for ₹19, a dealer makes a profit of 20%. By how much should he increase his selling price (in ₹, rounded off to two decimal place) so as to make a profit of 40%?

Ans A). 6.17 B). 3.17 C). 4.17 D). 5.17

Correct Answer: B

Q.17 If 4% of (A + B) is equal to 28% of (A - B), then find A : B.

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

Correct Answer: B

Q.18 The average weight of a group of 20 women was calculated as 58.5 kg and it was later discovered that the weight of one of the women was read as 35 kg, whereas her actual weight was 65 kg. What is the actual average weight of the group of 20 women?

- Ans A). 70 kg B). 40 kg C). 60 kg D). 50 kg

Correct Answer: C

Q.19 Sunil, Basid, Vikram, and Kuldeep receive salaries in the ratio of 3 : 7 : 8 : 13. If the difference between the salaries of Sunil and Basid is ₹2,000, then what is the difference between the salaries (in ₹) of Vikram and Kuldeep?

- Ans A). 2,400 B). 2,000 C). 2,200 D). 2,500

Correct Answer: D

Q.20 Manpreet offers two successive discounts of 12% and 8% on the sale of a sweater to his customers on the occasion of Diwali. What is the equivalent single percentage discount offered by Manpreet?

- Ans A). 20.96% B). 19.04% C). 19.64% D). 20.00%

Correct Answer: B

Section : Reasoning Ability and Problem Solving

Q.1 In a certain code language, 'BRIGHT' is coded as '371562', and 'GIRTHS' is coded as '653782'. What is the code for 'B' in 'BRIGHT'?

- Ans A). 2 B). 1 C). 8 D). 7

Correct Answer: B

Q.2 MJHI is related to TQOP in a certain way. In the same way, GDBC is related to NKIJ. To which of the following is XUST related following the same logic?

- Ans A). EABZ B). EBZA C). DABZ D). BZAC

Correct Answer: B

Q.3 Six friends are sitting on a circular table, facing towards the centre (but not necessarily in the same order) . X is to the immediate left of Z and W is to the immediate right of Y. Z and U are separated by only one person sitting between them. W is an immediate neighbour of U. Only V is sitting between Z and Y. Who among the following are the immediate neighbours of U?

- Ans A). X and W B). W and V C). W and Y D). Z and Y

Correct Answer: A

Q.4 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

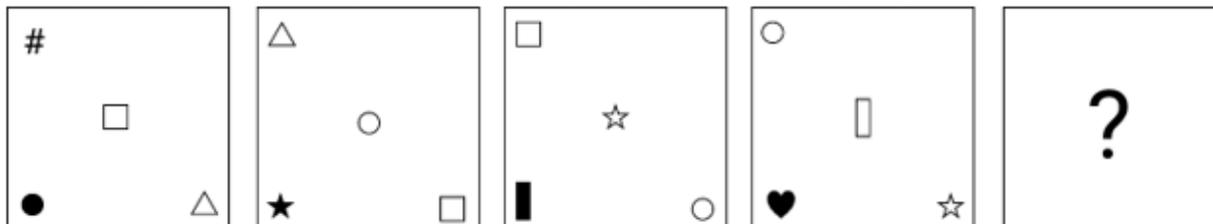
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is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

8, 30
12, 46

- Ans A). 15, 62 B). 16, 61 C). 15, 61 D). 16, 62

Correct Answer: D

Q.5 Identify the figure given in the options which when put in place of (?) will logically complete the series.



- Ans A). B). C). D).

Correct Answer: B

Q.6 What will come in the place of '?' in the following equation, if '+' and '×' are interchanged and '-' and '÷' are interchanged?
 $17 + 77 - 7 \times 37 \div 47 = ?$

- Ans A). 187 B). 167 C). 157 D). 177

Correct Answer: D

Q.15 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.

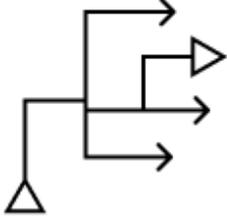
Statements:
 All shirts are trousers.
 No trouser is a belt.

Conclusions:
 (I) No shirt is a belt.
 (II) Some belts may be trousers.

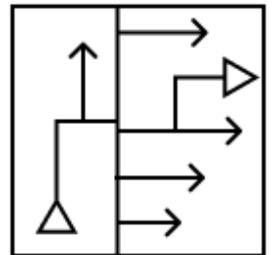
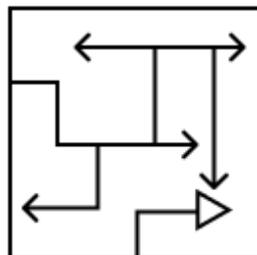
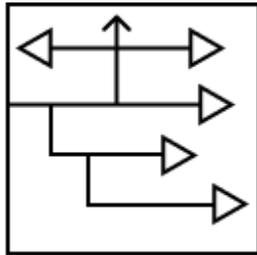
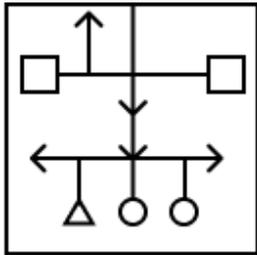
Ans A). Only conclusion II follows B). Neither conclusion I nor II follows C). Only conclusion I follows D). Both conclusions I and II follow

Correct Answer: C

Q.16 Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



Ans



Correct Answer: D

Q.17 CE 77 is related to IK 87 in a certain way. In the same way, GJ 52 is related to MP 62. To which of the following is BG 43 related following the same logic?

Ans A). NZ 30 B). WZ 20 C). HM 53 D). XY 35

Correct Answer: C

Q.18 In a certain code language, 'VOLT' is coded as '3517' and 'TURN' is coded as '2348'. What is the code for 'T' in that language?

Ans A). 3 B). 7 C). 2 D). 8

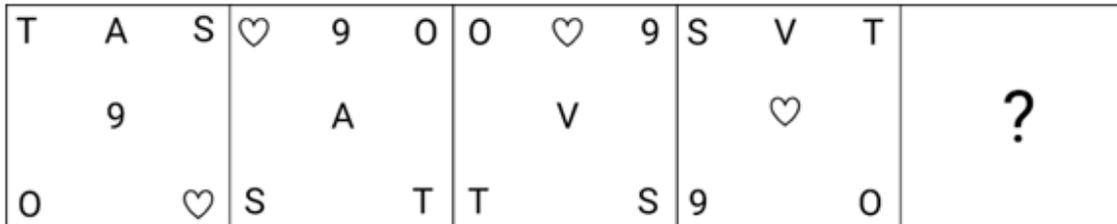
Correct Answer: A

Q.19 In a certain code language, 'BORDER' is coded as 'OBDRRE' and 'BEYOND' is coded as 'EBOYDN'. How will 'BURDEN' be coded in the same language?

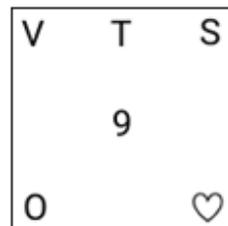
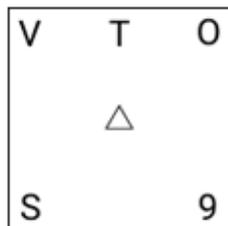
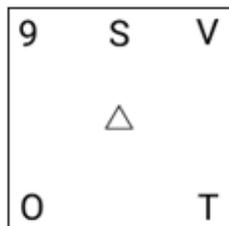
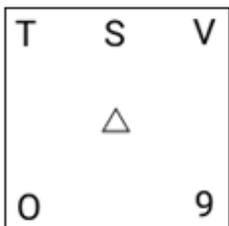
Ans A). UBDREN B). NEDRUB C). UBRDNE D). UBDRNE

Correct Answer: D

Q.20 Select the figure from among the given options that can replace the question mark (?) in the following series and complete the pattern.



Ans



Correct Answer: A

Section : **General Awareness**

Q.1 As per Article 51A of the Constitution of India, Fundamental Duty (h) is to develop the _____, humanism and the spirit of inquiry and reform.

Ans A). religious temper B). scientific temper C). cultural temper D). sociological temper **Correct Answer: B**

Q.2 In which state is Kawal Wildlife Sanctuary located?

Ans A). Telangana B). Gujarat C). Odisha D). Maharashtra **Correct Answer: A**

Q.3 According to the National Multidimensional Poverty Index 2021, which Union Territory has the lowest proportion of poor?

Ans A). Delhi B). Lakshadweep C). Chandigarh D). Puducherry **Correct Answer: D**

Q.4 Which Article of the Constitution of India specifically addresses the qualifications for the office of the President?

Ans A). Article 50 B). Article 56 C). Article 58 D). Article 60 **Correct Answer: C**

Q.5 Who among the following was the most important god of the Aryans?

Ans A). Agni B). Pashupatinath C). Marut D). Indra **Correct Answer: D**

Q.6 When was the All Bengal Students Conference held in the chairmanship of Jawaharlal Nehru?

Ans A). 1928 B). 1939 C). 1934 D). 1920 **Correct Answer: A**

Q.7 The autobiography of which of the following actors is titled 'The Substance And The Shadow: An Autobiography'?

Ans A). Vinod Khanna B). Rajesh Khanna C). Rishi Kapoor D). Dilip Kumar **Correct Answer: D**

Q.8 What is the name of Formula E's first ever race in India, which was hosted in collaboration with the Telangana government?

Ans A). The 2023 Mahindra Mumbai E-Prix B). The 2023 Greenko Hyderabad E-Prix C). The 2023 Mahindra Bangalore E-Prix
D). The 2023 Greenko Buddha Circuit E-Prix **Correct Answer: B**

Q.9 During which centuries did several Buddhist pilgrims and scholars travel to China on the historic 'silk route'?

Ans A). First, second and third centuries AD B). Sixth and seventh centuries AD C). Fourth and fifth centuries AD
D). Eighth and ninth centuries AD **Correct Answer: A**

Q.10 Non-polar molecules possess _____.

Ans A). permanent dipole moment B). partial charge C). no dipole moment D). instantaneous dipole moment **Correct Answer: D**

Q.11 The Steel Authority of India Limited (SAIL) is an example of the _____ industry.

Ans A). public sector B). cooperative sector C). private sector D). joint sector **Correct Answer: A**

Q.12 Which Indian dancer of the Manipuri style won the Tagore Award for Cultural Harmony in 2014?

Ans A). Nirmla Mehta B). Guru Bipin Sinha C). Rajkumar Singhajit Singh D). Elam Endira Devi **Correct Answer: C**

Q.13 Who among the following led the Parliamentary delegation to participate in the 9th BRICS Parliamentary Forum in September 2023?

Ans A). Harivansh Narayan Singh B). Nitin Gadkari C). Jagdeep Dhankar D). Om Birla **Correct Answer: A**

Q.14 Which classical dance form is performed by the renowned artists; Sitara Devi, Rohini Bhate, Pandit Munnalal Shukla, Kumudini Lakhia and Uma Sharma?

Ans A). Kathak B). Bharatanatyam C). Odissi D). Kuchipudi **Correct Answer: A**

Q.15 Select the synthetic indicator from among the given options.

Ans A). Turmeric B). Cabbage juice C). Litmus solution D). Methyl orange **Correct Answer: D**

Q.16 The Ramoshi Uprising of 1824 took place in which of the following present states of India?

Ans A). Uttar Pradesh B). Tamil Nadu C). Maharashtra D). West Bengal **Correct Answer: C**

Q.17 In October 2023, Maharashtra government planned which of the following schemes to overhaul its medical system after the death of 38 patients in Nanded?

Ans A). Ayushman Maharashtra B). Vision 2035 C). Sahakar Mitra D). Arogya Mission **Correct Answer: B**

Q.18 Which of the following options correctly matches column-A and column-B?

Column-A (Food component) Column-B (Enzyme involved in digestion)

- i. Protein a. Amylase
ii. Carbohydrates b. Lipase
iii. Fats c. Trypsin

Ans A). i-c, ii-a, iii-b B). i-b, ii-a, iii-c C). i-a, ii-b, iii-c D). i-a, ii-c, iii-b **Correct Answer: A**

Q.19 A process like river bifurcation can create valuable landforms for the environment, providing growth of vegetation. An example of such landform is _____.

Ans A). river deltas B). potholes C). V-shaped valleys D). cascades **Correct Answer: A**

Q.20 The Taj Mahal was built by who among the following?

Ans A). Babar B). Jahangir C). Shah Jahan D). Akbar **Correct Answer: C**

Q.21 Which of the following statements is/are FALSE for the Harappan town planning?

1. Most of the towns have citadel in harappan civilization.
2. Every town had a temple in Harappan civilization.
3. Every building was made of sand stone in Harappan civilization.

Ans A). Both 1 and 3 B). Only 1 C). Both 1 and 2 D). Both 2 and 3 **Correct Answer: D**

Q.22 _____ was the pioneer who modified the Hawaiian slide guitar to play classical ragas.

Ans A). Krishna Ram Chaudhary B). Buddhadev Dasgupta C). Palghat Raghu D). Brij Bhushan Kabra **Correct Answer: D**

Q.23 Which edition of the Intercontinental Cup event was played in India in 2023?

Ans A). 10th B). 1st C). 3rd D). 5th **Correct Answer: C**

Q.24 In the context of microfinance, what does 'S' stand for in SHG?

Ans A). Social B). Steady C). Sustainable D). Self **Correct Answer: D**

Q.25 In which state is 'Bhogali Bihu' festival celebrated?

Ans A). Assam B). Jharkhand C). Gujarat D). Chhattisgarh **Correct Answer: A**

Section : English Language and Comprehension

Q.1 Select the word that has the same meaning (SYNONYM) as the underlined word in the given sentence.

She accused her sister of being vindictive when she was trying to defame her.

Ans A). vigilant B). revengeful C). righteous D). venerable **Correct Answer: B**

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

My grandparents live in a beautiful house _____ the countryside.

Ans A). in B). on C). onto D). at **Correct Answer: A**

Q.3 In the following sentence the underlined part contains an error. Alternatives to the underlined part are given as options. Select the correct alternative.

The children were merry than usual on Sunday.

Ans A). more merrier B). the merriest C). merriest D). merrier **Correct Answer: D**

Q.4 Select the most appropriate option to substitute the underlined segment in the given sentence.

They looked out the matter and found the root cause of the problem.

- Ans A). looked of the matter and found B). looked until the matter and found C). looked unless the matter and found
D). looked into the matter and found

Correct Answer: D

Q.5 Select the option that expresses the given sentence in future tense form.
Since next Friday, the team of three members has been tracking the animal.

- Ans A). From next Friday, the team of three members are tracking the animal.
B). Since last Friday, the team of three members had tracked the animal.
C). From next Friday, the team of three members have been tracking the animal.
D). From next Friday, the team of three members will be tracking the animal.

Correct Answer: D

Q.6 Select the most appropriate ANTONYM of the highlighted word in the given sentence.
The athlete demonstrated remarkable agility during the gymnastics routine.

- Ans A). Nimbleness B). Prowess C). Flexibility D). Stiffness

Correct Answer: D

Q.7 Select the most appropriate meaning of the given idiom.
Apple of one's eye

- Ans A). Very docile B). Very strong C). Very precious D). Very stubborn

Correct Answer: C

Q.8 Select the sentence with the most appropriate use of preposition.

- Ans A). Reetu slept all in the history class. B). Reetu slept all through the history class. C). Reetu slept all during the history class.
D). Reetu slept all into the history class.

Correct Answer: B

Q.9 Read the sentence given below and identify if there is an error in it. The error can be in any segment of the sentence which are marked A, B, C, and D. Select option D if there is 'No error'.
(A) Ritika angrily / (B) spoke to Kartik / (C) after the meeting / (D) No error.

- Ans A). D B). A C). C D). B

Correct Answer: A

Q.10 Select the most appropriate synonym of the given word.
Blunt

- Ans A). Insensitive B). Adventurous C). tactful D). Rowdy

Correct Answer: A

Q.11 Select the most appropriate ANTONYM of the underlined word in the given sentence.

The children's laughter was filled with exuberant joy.

- Ans A). flawless B). euphoric C). sarcastic D). repressed

Correct Answer: D

Q.12 Change the following sentence into superlative degree.

No other mountain in the world is as high as the Mount Everest.

- Ans A). No other mountain is highest than Mount Everest. B). Mount Everest is the highest mountain in the world.
C). Mount Everest is higher than any other mountain in the world. D). Mount Everest is high mountain in the world.

Correct Answer: B

Q.13 One of the four words in bold in the given sentence is incorrectly spelt. Select the INCORRECTLY spelt word.

The hurricane left behind a **devasstating trail of destruction.**

- Ans A). trail B). hurricane C). devasstating D). destruction

Correct Answer: C

Q.14 Parts of the following sentence have been given as options. Select the option that contains an error.

The farm cattle is grazing in the field when the tiger attacked.

- Ans A). The farm cattle B). in the field when C). is grazing D). the tiger attacked.

Correct Answer: C

Q.15 Select the INCORRECTLY spelt word from the given sentence.

The artist's unique technique added a touch of individuality to the painting.

- Ans A). Individuality B). Unique C). Technique D). Artist's

Correct Answer: A

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

The loud thunder _____ the children, making them cry.

Ans A). fastened B). fainted C). frightened D). fancied

Correct Answer: C

Q.17 Select the most appropriate meaning of the given idiom.

When pigs fly

Ans A). Something unplanned B). Something terrible C). Something that spoils relationships D). Something that will never happen

Correct Answer: D

Q.18 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Placing a huge magnet atop the temple pose to being the biggest hurdle for the masons.

Ans A). No improvement required B). posing as be C). poses for being D). posed to be

Correct Answer: D

Q.19 Select the correct spelling of the underlined word in the given sentence.

Rahul's personality is complamented by his confident looks.

Ans A). complamanted B). complimented C). complemented D). complieminted

Correct Answer: C

Q.20 Select the most appropriate ANTONYM of the given word.

Enmity

Ans A). Malignity B). Antipathy C). Hostility D). Friendship

Correct Answer: D

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.

A monsoon is traditionally a seasonal reversing wind (1)_____ by corresponding changes in precipitation but is now (2)_____ describe seasonal changes in atmospheric circulation and precipitation associated (3)_____ annual latitudinal oscillation of the Intertropical Convergence Zone (ITCZ) between its limits to the north and south of the equator. Usually, the term monsoon (4)_____ refer to the rainy phase of a seasonally changing pattern, although technically there is also a dry phase. The term is also sometimes used to (5)_____ locally heavy but short-term rains.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank number 1.

Ans A). accompanies B). accompany C). accompanied D). accompanying

Correct Answer: C

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.

A monsoon is traditionally a seasonal reversing wind (1)_____ by corresponding changes in precipitation but is now (2)_____ describe seasonal changes in atmospheric circulation and precipitation associated (3)_____ annual latitudinal oscillation of the Intertropical Convergence Zone (ITCZ) between its limits to the north and south of the equator. Usually, the term monsoon (4)_____ refer to the rainy phase of a seasonally changing pattern, although technically there is also a dry phase. The term is also sometimes used to (5)_____ locally heavy but short-term rains.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank number 2.

Ans A). used to B). using to C). uses to D). use to

Correct Answer: A

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.

A monsoon is traditionally a seasonal reversing wind (1)_____ by corresponding changes in precipitation but is now (2)_____ describe seasonal changes in atmospheric circulation and precipitation associated (3)_____ annual latitudinal oscillation of the Intertropical Convergence Zone (ITCZ) between its limits to the north and south of the equator. Usually, the term monsoon (4)_____ refer to the rainy phase of a seasonally changing pattern, although technically there is also a dry phase. The term is also sometimes used to (5)_____ locally heavy but short-term rains.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank number 3.

Ans A). on B). with C). for D). of

Correct Answer: B

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.

A monsoon is traditionally a seasonal reversing wind (1)_____ by corresponding changes in precipitation but is now (2)_____ describe seasonal changes in atmospheric circulation and precipitation associated (3)_____ annual latitudinal oscillation of the Intertropical Convergence Zone (ITCZ) between its limits to the north and south of the equator. Usually, the term monsoon (4)_____ refer to the rainy phase of a seasonally changing pattern, although technically there is also a dry phase. The term is also sometimes used to (5)_____ locally heavy but short-term rains.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank number 4.

Ans A). is used to B). is use to C). are used to D). were used to

Correct Answer: A

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.

A monsoon is traditionally a seasonal reversing wind (1)_____ by corresponding changes in precipitation but is now (2)_____ describe seasonal changes in atmospheric circulation and precipitation associated (3)_____ annual latitudinal oscillation of the Intertropical Convergence Zone (ITCZ) between its limits to the north and south of the equator. Usually, the term monsoon (4)_____ refer to the rainy phase of a seasonally changing pattern, although technically there is also a dry phase. The term is also sometimes used to (5)_____ locally heavy but short-term rains.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank number 5.

Ans A). describe B). describes C). described D). describing

Correct Answer: A