

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

Exam Date	21/10/2024
Exam Time	4:00 PM - 5:30 PM
Subject	MTS Non Tech Havaladar CBIC and CBN Examination 2024

Section : Numerical and Mathematical Ability

Q.1 Rohit made a profit of 22% when he sold a jacket for ₹7,930. Find the cost price of the jacket.

Ans A). ₹6,500 B). ₹7,500 C). ₹7,000 D). ₹6,000

Correct Answer: A

Q.2 15 kg of superior quality of wheat is mixed with 5 kg of inferior quality of wheat. The price of superior quality and inferior quality wheat is ₹80 and ₹60, respectively. Find the average price per kg of the mixture.

Ans A). ₹70 B). ₹65 C). ₹150 D). ₹75

Correct Answer: D

Q.3 Find the simple interest (in ₹) on ₹3000 as a sum borrowed at 3% per year rate of interest for 3 years.

Ans A). 230 B). 310 C). 270 D). 210

Correct Answer: C

Q.4 A cylindrical vessel of height 14 cm has outer and inner radii 14 cm and 10 cm, respectively. It is to be filled by transferring water in it by using a small cylinder of height 7 cm and outer and inner radii 7 cm and 5 cm, respectively. What will be the unfilled height of the big vessel after transferring water 6 times by using the smaller cylinder? (Use $\pi = \frac{22}{7}$)

Ans A). 2.2 cm B). 3.5 cm C). 2.9 cm D). 3.8 cm

Correct Answer: B

Q.5 The average age of a husband and wife, and their child 3 years ago, was 27 years, and that of the wife and the child 5 years ago was 20 years. The present age of the husband is:

Ans A). 35 years B). 45 years C). 50 years D). 40 years

Correct Answer: D

Q.6 Find the LCM of 8, 12, 18, 24 and 36.

Ans A). 64 B). 27 C). 72 D). 36

Correct Answer: C

Q.7 Akshay wants to buy a 6 m wide cloth to make a conical tent having a radius of 12 m and height of 35 m. How many metres of cloth does he need to buy?

Take $\pi = \frac{22}{7}$ Note: Round off the decimals to the nearest whole number.

Ans A). 234 B). 239 C). 233 D). 231

Correct Answer: C

Q.8 The average age of a class of 39 students is 15 years. If the age of the teacher be included, then the average increases by 3 months. Find the age of the teacher.

Ans A). 26 years B). 27 years C). 24 years D). 25 years

Correct Answer: D

Q.9 The sum of length and breadth of a rectangle is 68 m and the ratio of length and breadth is 11:23. What is the area of the rectangle (in m²)?

Ans A). 976 B). 1331 C). 253 D). 1012 **Correct Answer: D**

Q.10 What is the single equivalent price increase for two successive price increases of 12% and 18% on an article?

Ans A). 32.16% B). 15% C). 30.24% D). 30% **Correct Answer: A**

Q.11 Divyansh invested $\frac{1}{4}$ of his capital at 10%, $\frac{1}{5}$ at 20% and the remaining at 30% simple interest per annum, respectively. If his annual income is ₹3,220, then find the capital (in ₹).

Ans A). 13,500 B). 17,000 C). 15,300 D). 14,000 **Correct Answer: D**

Q.12 Geeta went to her home town at a distance of 270 km from her house. She started her journey at 10:00 a.m. and reached the destination at 02:00 p.m. by travelling 20 km by cab at a speed of 60 km/h and 240 km by train running at a speed of 80 km/h. She covered the remaining distance by an auto to reach her place. What was the speed of the auto?

Ans A). 15 km/h B). 4 km/h C). 20 km/h D). 18 km/h **Correct Answer: A**

Q.13 If p is directly proportional to q and is p = 7 when q = 6, then what is the value of p when q = 21?

Ans A). 24.0 B). 24.5 C). 23.5 D). 25.0 **Correct Answer: B**

Q.14 The average age of 40 students in a class is 12 years. The average age of the students increased by 4 months due to 20 new admissions in the class. The average age of the newly admitted students is:

Ans A). 14 years 6 months B). 14 years C). 13 years 4 months D). 13 years **Correct Answer: D**

Q.15 On a 200-m-long circular track, two people start from the same point, at the same time, at speeds of 12 km/h and 15 km/h, respectively. After how much time will they meet again for the first time if they are running in the same direction?

Ans A). 180 seconds B). 200 seconds C). 240 seconds D). 220 seconds **Correct Answer: C**

Q.16 Maria buys a dress for ₹3,000. She could not decide between a discount of 35% and three successive discounts of 20%, 10% and 5%. The difference between both discounts (in ₹) is:

Ans A). 20 B). 68 C). 0 D). 102 **Correct Answer: D**

Q.17 Find the simple interest (in ₹) on ₹2500 as a sum borrowed at 3% per year rate of interest for 4 years.

Ans A). 240 B). 340 C). 300 D). 260 **Correct Answer: C**

Q.18 The following table shows the production of different types of water bottles (in thousands) in different years.

Water Bottle Type/ Year	2009	2010	2011	2012	2013
A	896	636	587	473	576
B	573	753	637	560	884
C	678	287	586	780	986

The production of which type of water bottles was highest in the year 2012?

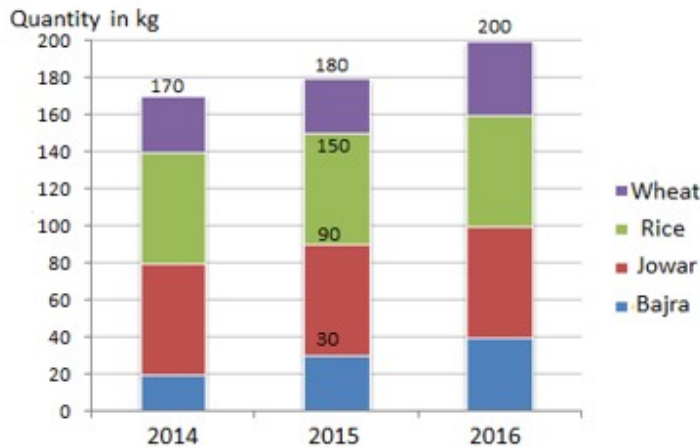
Ans A). A B). Both B and C C). B D). C **Correct Answer: D**

Q.19 Shikha sells a bookshelf to Vansh at a loss of 5%, Vansh sells the same bookshelf to Swarnima at a profit of 10%, and Swarnima sells the same bookshelf to Nikhil at a loss of 20%. If Nikhil purchased the bookshelf for ₹16,720, then what was the cost (in ₹) of the bookshelf for Shikha?

Ans A). 18,000 B). 19,500 C). 21,500 D). 20,000

Correct Answer: D

Q.20 The following bar graph represents the quantity of grains produced in a state in the years 2014, 2015 and 2016. Study the given bar graph and answer thequestion that follows.



What is the difference in the percentage of wheat production in the year 2014 to the percentage of wheat production in the year 2016? (Round up to two decimal places)

Ans A). 2.35% B). 1.92% C). 3.45% D). 4.23%

Correct Answer: A

Section : Reasoning Ability and Problem Solving

Q.1 Select the figure from among the given options that can replace the question mark (?) in the following series and complete the pattern.

O	☆	R	R		X	X		R	R		E	
	X			O	☆		E	☆	X			?
V		E	E		V	V	☆	O	O		V	

Ans

A).	E	☆	R									
		V										
	X										O	

B).	O	☆	R									
		X										
	V										E	

C).	E	☆	R									
		O										
	V										X	

D).	X										R	
	☆		E									
	V										O	

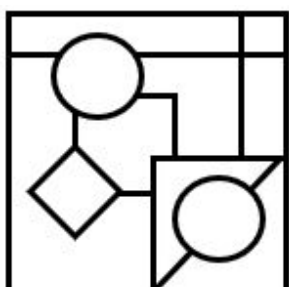
Correct Answer: C

Q.2 Select the option in which the given figure is embedded (rotation is NOT allowed).

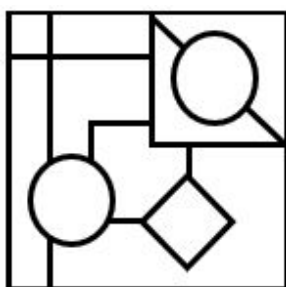


Ans

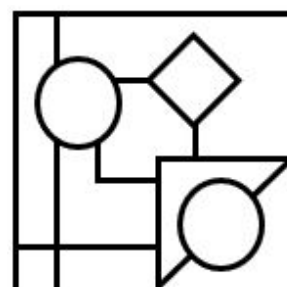
A).



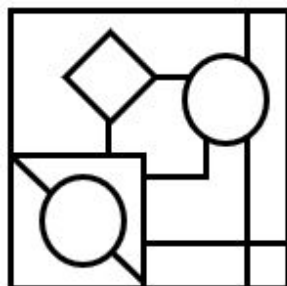
B).



C).



D).



Correct Answer: D

Q.3 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/subtracting/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.)
(12, 77, 5)
(21, 87, 3)

Ans A). (17, 401, 9)

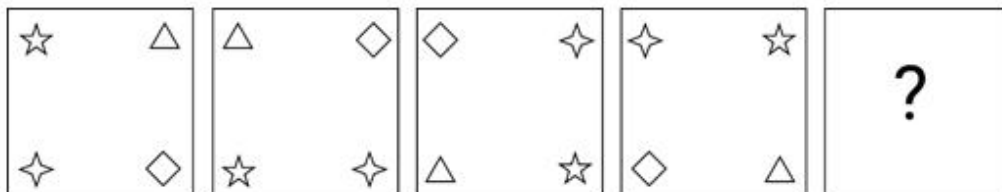
B). (11, 188, 6)

C). (15, 127, 7)

D). (12, 197, 3)

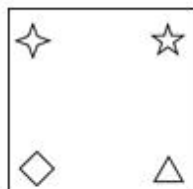
Correct Answer: C

Q.4 Select the figure from the given options, which when put in place of the question mark (?) will logically complete the series.

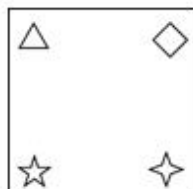


Ans

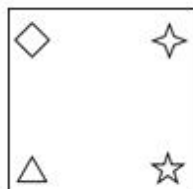
A).



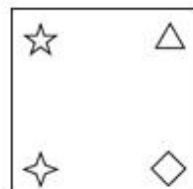
B).



C).

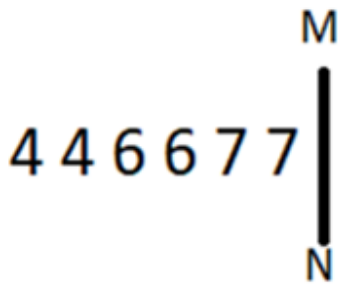


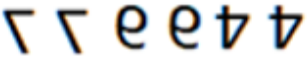
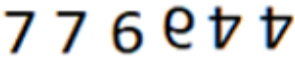
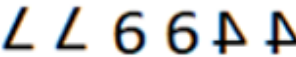
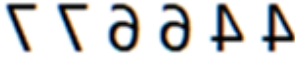
D).



Correct Answer: D

Q.5 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



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

Correct Answer: D

Q.6 In a certain code language, 'they are smart' is written as 'bt mt rt' and 'she is smart' is written as 'rt kt st'. How is 'smart' written in the given code language?

- Ans A). mt B). rt C). kt D). st

Correct Answer: B

Q.7 BEAR is related to YBXO in a certain way based on the English alphabetical order. In the same way, WATCH is related to TXQZE. To which of the following is LOTUS related, following the same logic?

- Ans A). IJQQP B). IKQRP C). ILQRP D). IJRRP

Correct Answer: C

Q.8 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 bongos are sitars.

No cymbal is a sitar.

Conclusions:

[1] All sitars are bongos.

[2] Some bongos are cymbals.

- Ans A). Both conclusions [1] and [2] follow B). Only conclusion [1] follows C). Neither conclusion [1] nor [2] follows
D). Only conclusion [2] follows

Correct Answer: C

Q.9 Seven people R, S, T, D, E, F and G are sitting around a circular table, facing the centre (but not necessarily in the same order). G is sitting second to the right of E. Only one person is sitting between G and R. Only one person is sitting between R and T. F is sitting second to the left of D. D is an immediate neighbour of T. How many people are sitting between S and T when counted from the left of S?

- Ans A). Three B). Two C). One D). Four

Correct Answer: C

Q.10 In a certain code language, 'JOKE' is coded as 'NIOY' and 'TRICKY' is coded as 'XLMWOS'. What is the code for 'SPEAKERS' in the given code language?

- Ans A). WJIUOYVM B). WJHUOYVM C). WJILOYVM D). WJIUOYUM

Correct Answer: A

Q.11 In a certain code language, 253 stands for 'chairs are old', 378 stands for 'make good chairs' and 546 stands for 'lady is old'. Which of the following stands for 'are' in the same code language?

- Ans A). 2 B). 4 C). 5 D). 3

Correct Answer: A

Q.12 What will come in the place of '?' in the following equation, if '-' and '×' are interchanged and '+' and '÷' are interchanged?
 $28 \div 18 + 6 \times 6 - 4 = ?$

- Ans A). 7 B). 17 C). 9 D). 14

Correct Answer: A

Q.13 What should come in place of the question mark (?) in the given series based on the English alphabetical order?

GKS, MQY, SWE, YCK, ?

- Ans A). EIO B). EQW C). EWR D). EIQ

Correct Answer: D

Q.14 Which two signs should be interchanged to make the given equation correct?
 $45 - 33 \div 3 \times 4 + 67 = 22$

- Ans A). ÷ and × B). - and + C). - and × D). + and ×

Correct Answer: B

Q.15 QFRG is related to NCVK in a certain way based on the English alphabetical order. In the same way, KZZO is related to HWDS. To which of the following is ETHW related, following the same logic?

Ans A). APLZ

B). BQLA

C). BPMZ

D). CRKB

Correct Answer: B

Q.16 Read the given statement(s) 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 statement(s).

Statements: All crocs are frogs. All crocs are turtles.

Conclusions:

(I) All turtles are frogs.

(II) At least some frogs are crocs.

Ans A). Only conclusion (I) follows.

B). Neither conclusion (I) nor (II) follows.

C). Only conclusion (II) follows.

D). Both conclusions (I) and (II) follow.

Correct Answer: C

Q.17 What should come in place of the question mark (?) in the given series?
25000, 5000, 1000, 200, 40, ?

Ans A). 16

B). 8

C). 12

D). 20

Correct Answer: B

Q.18 Six people A, B, C, D, E and F are sitting around a circular table, facing the centre (but not necessarily in the same order). E is sitting second to the left of C. C is an immediate neighbour of both A and B. F is sitting third to the right of A. How many people are sitting between D and C when counted from the left of D?

Ans A). 3

B). 4

C). 2

D). 1

Correct Answer: C

Q.19 In a certain code language, 'win his heart' is written as 'mt pq zr' and 'you will win' is written as 'zr ht gc'. How is 'win' written in the given language?

Ans A). zr

B). gc

C). pq

D). ht

Correct Answer: A

Q.20 12 is related to 61 following a certain logic. Following the same logic, 15 is related to 76. To which of the following is 16 related, following the same logic?

(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 / subtracting / 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.)

Ans A). 88

B). 81

C). 84

D). 86

Correct Answer: B

Section : General Awareness

Q.1 Which of the following raw materials is NOT used to prepare the baking soda?

Ans A). H₂O

B). Na₂CO₃

C). NaCl

D). NH₃

Correct Answer: B

Q.2 In the South Indian temples, the pyramidal tower is called the _____.

Ans A). vahan

B). mandapa

C). vimana

D). shikhara

Correct Answer: C

Q.3 What is the duration for which a member of a House of Legislature of a State is, without permission of the House, absent from all meetings, thereof the house may declare his seat vacant?

Ans A). 180 days

B). 90 days

C). 30 days

D). 60 days

Correct Answer: D

Q.4 Who among the following was the famous ruler of the Gauda Kingdom?

Ans A). Grahavarman

B). Rajyavardhan

C). Shashanka

D). Rudradaman

Correct Answer: C

Q.5 What is the main purpose of the office of the Comptroller and Auditor General (CAG)?

Ans A). Regulating tax collection

B). Investigating and reporting on financial transactions

C). Formulating the national budget

D). Enforcing government policies

Correct Answer: B

Q.6 Eutrophication is a condition where excessive growth of algal bloom occurs on the surface of a water body because of abundant nutrients. Which of the following are the key nutrients for eutrophication?

Ans A). Phosphorus and iron

B). Nitrogen and potassium

C). Phosphorus and nitrogen

D). Iron and nitrogen

Correct Answer: C

Q.23	Who among the following is the author of the book ‘The Hungry Tide’?			
Ans	A). Ruskin Bond	B). RK Narayan	C). Mulk Raj Anand	D). Amitav Ghosh
Correct Answer: D				
Q.24	Odissi dancer _____ was awarded the Sangeet Natak Akademi Award 2022 in the dance category.			
Ans	A). Shubhada Varadkar	B). Niranjan Rout	C). Kumkum Mohanty	D). Debi Vasu
Correct Answer: B				
Q.25	In the year 2010, Commonwealth Games was hosted by which of the following countries?			
Ans	A). Canada	B). Australia	C). England	D). India
Correct Answer: D				

Section : English Language and Comprehension				
Q.1	Select the most appropriate meaning of the given idiom. 'Hold someone's feet to the fire'			
Ans	A). Agree upon a shared venture with full conviction	B). Take big risks without knowing the consequences	C). Think over a new proposal	D). Insist that someone fulfil their promises or obligations
Correct Answer: D				
Q.2	Select the INCORRECTLY spelt word.			
Ans	A). Affiliate	B). Affliction	C). Anxious	D). Apraisal
Correct Answer: D				
Q.3	Select the option that can be used as a one-word substitute for the highlighted group of words in the given sentence. The practice of having two or more spouses at the same time was quite common in the olden days.			
Ans	A). Patricide	B). Patriarchy	C). Polygamy	D). Parochialism
Correct Answer: C				
Q.4	In the following sentence the underlined part contains an error. Alternatives to the underlined part are given as options. Select the correct alternative. It is <u>easiest</u> to stay calm than to protest.			
Ans	A). more easier	B). the easier	C). easy	D). easier
Correct Answer: D				
Q.5	Select the most appropriate option to fill in the blank. Active community involvement _____ a sense of belonging and contributes to the overall well-being of society.			
Ans	A). collects	B). forgets	C). fails	D). fosters
Correct Answer: D				
Q.6	Select the appropriate option to fill in the blank. I haven't seen him _____ last week.			
Ans	A). since	B). to	C). for	D). beyond
Correct Answer: A				
Q.7	Select the most appropriate ANTONYM of the underlined word in the given sentence. The <u>mellow</u> tune of the flute soothes me.			
Ans	A). quiet	B). harsh	C). golden	D). lyrical
Correct Answer: B				
Q.8	The given sentence has an error. Select the option that correctly rectifies the error. India is not on war with Pakistan.			
Ans	A). at Pakistan	B). for Pakistan	C). not at	D). not of
Correct Answer: C				
Q.9	Select the option that rectifies the spelling of the underlined word in the given sentence. A hospital's <u>hygine</u> is the standard against which cleanliness is measured.			
Ans	A). hygiene	B). hygene	C). higenie	D). hygeine
Correct Answer: A				
Q.10	Select the most appropriate ANTONYM of the given word. Sloppy			
Ans	A). Untidy	B). Humid	C). Dashing	D). Rough
Correct Answer: C				

Q.11 Select the most appropriate option to fill in the blank.

Some types of _____ suck blood.

Ans A). leach B). latch C). leech D). leak

Correct Answer: C

Q.12 The following sentence has been divided into four segments. Identify the segment that has a grammatical error.
He will have to / knuckle up really seriously, / if he wants to / crack the upcoming deal.

Ans A). crack the upcoming deal. B). He will have to C). knuckle up really seriously D). if he wants to

Correct Answer: C

Q.13 Select the correct spelling of the underlined word in the given sentence.

The miracle of resurrection is not medically proven.

Ans A). ressurection B). resurrection C). resurreccion D). ressurection

Correct Answer: B

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

Such specifications have revived our designers and manufacturers, whereas this new arrangement will free them.

Ans A). restrain B). senior C). swatted D). productive

Correct Answer: A

Q.15 Parts of the following sentence have been given as options. Select the option that contains an error.
Nagamani, a brave student, lodged a F.I.R. against the criminal.

Ans A). a F.I.R. B). student, lodged C). against the criminal D). Nagamani, a brave

Correct Answer: A

Q.16 Select the most appropriate ANTONYM of the given word.

Disposed

Ans A). Minded B). Retained C). Detained D). Pretended

Correct Answer: B

Q.17 Select the option that can be used as a one-word substitute for the highlighted group of words in the given sentence.

We had to study a poem of lamentation, especially for the dead, written by Thomas Gray.

Ans A). an essay B). a report C). an elegy D). an account

Correct Answer: C

Q.18 Parts of the following sentence have been given as options. Select the option that contains an error.

The team with a high motivation level succeeded in its project despite of the challenges it faced.

Ans A). The team with B). a high motivation level C). despite of the challenges it faced. D). succeeded in its project

Correct Answer: C

Q.19 Select the most appropriate idiom that can complete the given sentence.

Recent research says that most of our cottage industries lack finance. Thus, they are _____.

Ans A). taking somebody for a ride B). thrown out of gear C). worn and torn D). under a cloud

Correct Answer: B

Q.20 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

This boy performed / extremely good / in the / dance competition.

Ans A). in the B). dance competition C). extremely good D). This boy performed

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.

Throughout human history, there have been numerous, strange and unexplainable events that have occurred on our (1)_____. From mysterious disappearances to bizarre natural phenomena, these (2)_____ continue to captivate our imagination and spark curiosity. On 30 June 1908, a massive explosion (3)_____ in the remote Tunguska region of Siberia. The (4)_____ of the explosion is still debated, but it is believed to have been caused by a meteor or comet. Another fascinating phenomenon, the Bermuda Triangle is a region in the western part of the North Atlantic Ocean where ships and planes have mysteriously (5)_____.

SubQuestion No : 21

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

Ans A). home B). planet C). country D). neighbourhood

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.

Throughout human history, there have been numerous, strange and unexplainable events that have occurred on our (1)_____. From mysterious disappearances to bizarre natural phenomena, these (2)_____ continue to captivate our imagination and spark curiosity. On 30 June 1908, a massive explosion (3)_____ in the remote Tunguska region of Siberia. The (4)_____ of the explosion is still debated, but it is believed to have been caused by a meteor or comet. Another fascinating phenomenon, the Bermuda Triangle is a region in the western part of the North Atlantic Ocean where ships and planes have mysteriously (5)_____.

SubQuestion No : 22

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

Ans A). changes B). events C). advent D). adventures

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.

Throughout human history, there have been numerous, strange and unexplainable events that have occurred on our (1)_____. From mysterious disappearances to bizarre natural phenomena, these (2)_____ continue to captivate our imagination and spark curiosity. On 30 June 1908, a massive explosion (3)_____ in the remote Tunguska region of Siberia. The (4)_____ of the explosion is still debated, but it is believed to have been caused by a meteor or comet. Another fascinating phenomenon, the Bermuda Triangle is a region in the western part of the North Atlantic Ocean where ships and planes have mysteriously (5)_____.

SubQuestion No : 23

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

Ans A). conspired B). came about C). appeared D). took place

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.

Throughout human history, there have been numerous, strange and unexplainable events that have occurred on our (1)_____. From mysterious disappearances to bizarre natural phenomena, these (2)_____ continue to captivate our imagination and spark curiosity. On 30 June 1908, a massive explosion (3)_____ in the remote Tunguska region of Siberia. The (4)_____ of the explosion is still debated, but it is believed to have been caused by a meteor or comet. Another fascinating phenomenon, the Bermuda Triangle is a region in the western part of the North Atlantic Ocean where ships and planes have mysteriously (5)_____.

SubQuestion No : 24

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

Ans A). commencement B). stages C). cause D). beginning

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.

Throughout human history, there have been numerous, strange and unexplainable events that have occurred on our (1)_____. From mysterious disappearances to bizarre natural phenomena, these (2)_____ continue to captivate our imagination and spark curiosity. On 30 June 1908, a massive explosion (3)_____ in the remote Tunguska region of Siberia. The (4)_____ of the explosion is still debated, but it is believed to have been caused by a meteor or comet. Another fascinating phenomenon, the Bermuda Triangle is a region in the western part of the North Atlantic Ocean where ships and planes have mysteriously (5)_____.

SubQuestion No : 25

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

Ans A). invisible B). disappeared C). besotted D). concealed

Correct Answer: B