

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

Exam Date	18/10/2024
Exam Time	9:00 AM - 11:00 AM
Subject	MTS Non Tech Havaladar CBIC and CBN Examination 2024

Section : Numerical and Mathematical Ability

Q.1 The average weight of a family of five members (in kg) whose weights are 40 kg, 49 kg, 56 kg, 67 kg and 39 kg is:

Ans A). 52.2

B). 49.2

C). 50.2

D). 51.2

Correct Answer: C

Q.2 What is the mean proportional between 9 and 25?

Ans A). 17

B). 15

C). 34

D). 16

Correct Answer: B

Q.3 By selling an article for ₹19.5, a dealer makes a profit of 30%. By how much should he increase his selling price (in ₹) so as to make a profit of 50%?

Ans A). 6

B). 5

C). 4

D). 3

Correct Answer: D

Q.4 The average of some natural numbers is 27. If 69 is added to the first number and 12 is subtracted from the last number, the average becomes 32.7, then the number of natural numbers is:

Ans A). 8

B). 7

C). 5

D). 10

Correct Answer: D

Q.5 A shopkeeper sells a notebook that has a marked price of ₹80 at a discount of 8% and gives a pen costing ₹8.60 free with each notebook. Even then he makes a profit of 17%. Find the cost price of each note book correct to two places of decimals.

Ans A). ₹49.75

B). ₹45.35

C). ₹55.56

D). ₹51.32

Correct Answer: C

Q.6 A thief is spotted by a policeman from a distance of 400 metres. When the policeman starts to chase the thief also starts running. If the speed of the thief is 18 km/h and that of the policeman 20 km/h, then how far would the thief have run before he is overtaken?

Ans A). 1.8 km

B). 3.6 km

C). 9 km

D). 2.5 km

Correct Answer: B

Q.7 An iron ball of radius 20 cm is melted and recast into 64 spherical balls of same radius. Find the radius of each spherical ball.

Ans A). 5 cm

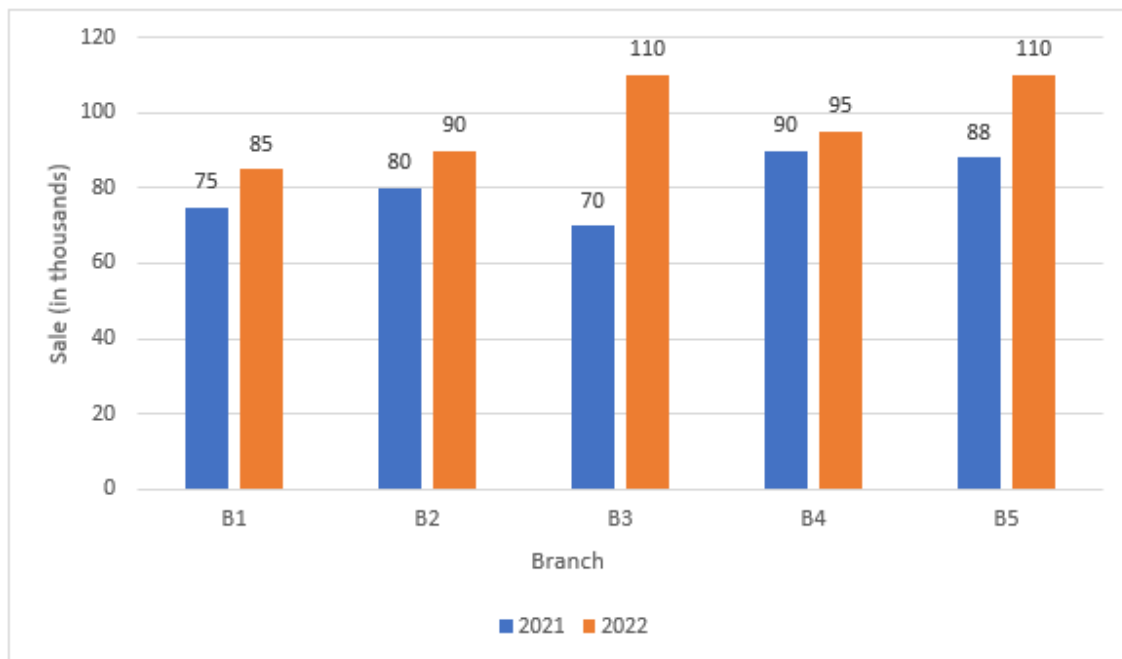
B). 8 cm

C). 6 cm

D). 7 cm

Correct Answer: A

Q.8 The bar graph given below shows the sale of toys (in thousands) from five branches of a manufacturer for two consecutive years, 2021 and 2022.



Total sales of branch B4 for both years is what percentage of the total sales of branch B2 for both years? (up to two decimal places)

Ans A). 108.82% B). 91.89% C). 85.85% D). 116.47% **Correct Answer: A**

Q.9 Pushkar buys an article for ₹27.50 and sells it for ₹28.60. Find his gain percentage.

Ans A). 7% B). 6% C). 3% D). 4% **Correct Answer: D**

Q.10 Find the simple interest (in ₹) on ₹3500 as a sum borrowed at 7% per year rate of interest for 2 years.

Ans A). 530 B). 430 C). 490 D). 450 **Correct Answer: C**

Q.11 Find the simple interest (in ₹) on ₹2500 as a sum borrowed at 6% per year rate of interest for 6 years.

Ans A). 860 B). 900 C). 840 D). 940 **Correct Answer: B**

Q.12 The price of a product increased by 20%. After some time, it decreased by 15%. What is the overall percentage change in the price?

Ans A). 1% B). 2% C). 4% D). 3% **Correct Answer: B**

Q.13 Two bicycle riders started at a speed of 7 m/sec and 8 m/sec on a circular path in opposite directions at the same point. If the circumference of the circle is 300 m, then in what time will they first meet?

Ans A). 24 sec B). 12 sec C). 20 sec D). 30 sec **Correct Answer: C**

Q.14 The external curved surface area of a metallic hemispherical bowl is 308 cm^2 . If the density of metal is 8.7 gm per cm^3 , then the mass of the bowl is equal to:

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

Ans A). 6254.2 gm B). 6252.4 gm C). 5262.4 gm D). 5264.2 gm **Correct Answer: B**

Q.15 From a square with area a^2 another square made on mid points of the sides of the square is removed. What is the area left in the square?

Ans A). $\frac{a^2}{2}$ B). $\frac{2a^2}{3}$ C). $\frac{a^2}{4}$ D). $\frac{3a^2}{4}$ **Correct Answer: A**

Q.16 The average of five numbers is 206. The average of two of them is 205. The average of another two of those numbers is 207.5. How many numbers can be accurately identified with this information?

Ans A). Two B). None C). One D). Three **Correct Answer: C**

Q.17 There are five persons with weights 58 kg, 38 kg, 45 kg, 34 kg and 55 kg. What is the average weight (in kg) of those persons whose weight is less than the average weight of the five persons?

Ans A). 43 B). 37 C). 41 D). 39 **Correct Answer: D**

Q.18 x,y and z are divisible by 2,3 and 4, respectively. What is the highest common factor (HCF) of $6x, 4y$ and $3z$?

Ans A). At least 36 B). At least 12 C). At least 18 D). At least 16 **Correct Answer: B**

Q.19 Consider the production of three products, A, B and C, by three companies, X, Y and Z, in the given table.

Product → Company ↓	A	B	C
X	100	115	95
Y	120	80	90
Z	70	110	120

Productions of how many products by company Y are more than the average production of all the products by company Y?

Ans A). 3 B). 2 C). 1 D). 0 **Correct Answer: C**

Q.20 What sum of money, when lent at 6% for 4 years, will produce the same interest as ₹800 earns in 5 years at $4\frac{1}{2}\%$?

Ans A). ₹ 750 B). ₹ 700 C). ₹ 650 D). ₹ 625 **Correct Answer: A**

Section : Reasoning Ability and Problem Solving

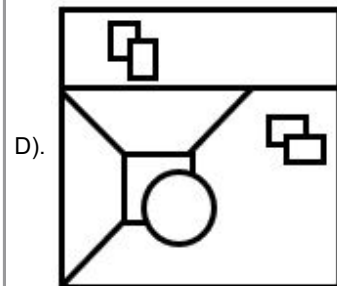
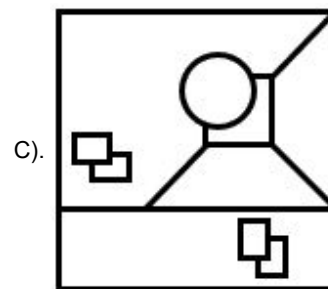
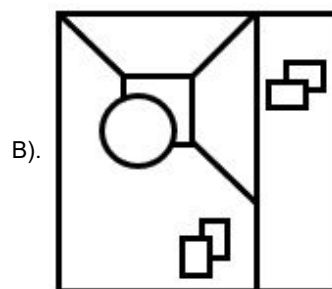
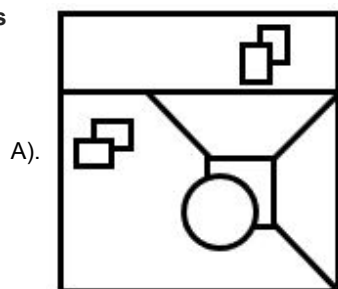
Q.1 What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?
 $4 \div 8 \times 2 - 7 + 3 = ?$

Ans A). 15 B). 20 C). 18 D). 16 **Correct Answer: B**

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



Ans



Correct Answer: D

Q.3 In a certain code language, 'will you go' is written as 'ht dt gt' and 'you can go' is written as 'gt st dt'. How will 'can' be written in the given code language?

Ans A). st B). gt C). dt D). ht

Correct Answer: A

Q.4 U, V, W, X, Y, Z and A are sitting around a circular table facing the centre (but not necessarily in the same order). Only three people sit between X and Y when counted from the left of X. Only three people sit between Z and U when counted from the right of U. V sits to the immediate right of Z. W is an immediate neighbour of U as well as Y. Who sits to the second to the left of A?

Ans A). Y B). W C). U D). Z

Correct Answer: B

Q.5 15 is related to 92 following a certain logic. Following the same logic, 18 is related to 110. To which of the following is 7 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). 76 B). 67 C). 44 D). 56

Correct Answer: C

Q.6 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 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.)
(8, 38, 11)
(3, 20, 7)

Ans A). (2, 52, 32) B). (1, 26, 12) C). (4, 14, 2) D). (3, 20, 5)

Correct Answer: B

Q.7 In a certain code language, 'does she hear' is written as 'mt sp dt' and 'hear the music' is written as 'rb mt ch'. What is the code for 'hear' in that language?

Ans A). sp B). mt C). ch D). rb

Correct Answer: B

Q.8 What will come in place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
 $135 \times 5 - 12 \div 11 + 8 = ?$

Ans A). 151 B). 121 C). 136 D). 169

Correct Answer: A

- Q.9** Six boys A, B, C, D, E and F sit around a circular table facing towards the centre (not necessarily in the same order). Two boys sit between B and F when counted either from the right or left of B. One boy sits between A and B when counted from the right of A. E sits second to the left of A. D sits second to the left of C. Which of the following statement(s) is/are not correct?
 I. A is an immediate neighbour of D.
 II. C is an immediate neighbour of F.

Ans A). Neither I nor II B). Only II C). Both I and II D). Only I **Correct Answer: B**

- Q.10** 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 bowling are billiards.
 Some billiards are not chess.
Conclusions:
 [1] All chess are bowling.
 [2] All billiards are chess.

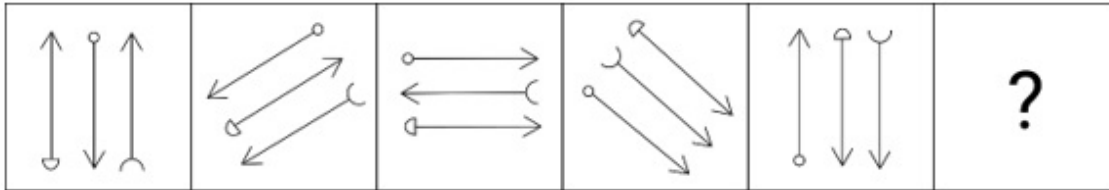
Ans A). Only conclusion [1] follows B). Only conclusion [2] follows C). Both conclusions [1] and [2] follow
 D). Neither conclusion [1] nor [2] follows **Correct Answer: D**

- Q.11** What should come in place of the question mark (?) in the following series?

4, 10, 28, 82, 244, ?

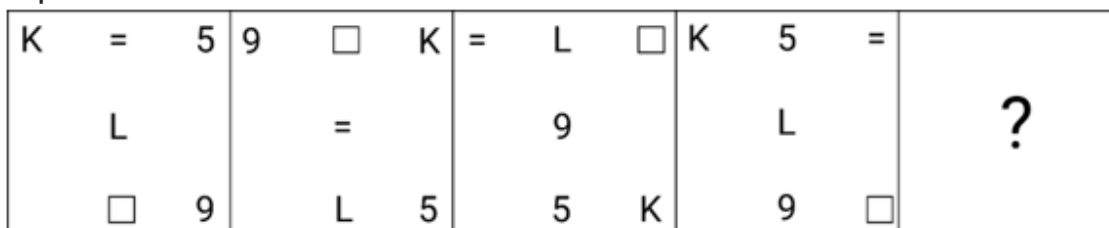
Ans A). 730 B). 731 C). 734 D). 732 **Correct Answer: A**

- Q.12** Select the figure from among the given options that can replace the question mark (?) in the following series.



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

- Q.13** Select the figure from among the given options that can replace the question mark (?) in the following series and complete the pattern.



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

Q.4	‘Ace Against Odds’ is the autobiography of a sports personality playing the game of _____.			
Ans	A). Shooting	B). Badminton	C). Tennis	D). Cricket
	Correct Answer: C			
Q.5	As per Census 2011, which of the following states recorded negative growth in child sex ratio?			
Ans	A). Maharashtra	B). Himachal Pradesh	C). Punjab	D). Haryana
	Correct Answer: A			
Q.6	The excavated ruins of the Nalanda University indicate that bright red _____ was/were used in its construction.			
Ans	A). stone	B). bricks	C). granite	D). marble
	Correct Answer: B			
Q.7	Which of the following factors is primarily responsible for soil formation?			
Ans	A). Weathering	B). Irrigation	C). Degradation	D). Mining
	Correct Answer: A			
Q.8	In January 2023, three Indian-origin researchers were among nine scientists named recipients of the Blavatnik Awards for Young Scientists in the UK. Which of the following is NOT one of these three scientists?			
Ans	A). Mehul Malik	B). Rahul R Nair	C). Tanmay Bharat	D). Gagandeep Kang
	Correct Answer: D			
Q.9	Shovana Narayan, a Padma Shri recipient, is an exponent of _____.			
Ans	A). Kuchipudi	B). Sattriya	C). Bharatanatyam	D). Kathak
	Correct Answer: D			
Q.10	According to sympatric speciation, the rising of a new species occurs when:			
Ans	A). one species is separated into different groups due to geologic events like mountain formation B). organisms from the same species start to show different behavioural characteristics C). two groups of the same species cannot interbreed among themselves despite living in the same geographic location D). the two groups of organisms from the same species would phenotypically look different			
	Correct Answer: C			
Q.11	Despite being eligible for the job of a Legal Officer, Mr. X was not called for an interview for the aforementioned post. Which of his rights was Mr. X unable to exercise?			
Ans	A). Equality before law	B). Protection against arrest	C). Right to education	D). Equality of opportunity
	Correct Answer: D			
Q.12	Which of the following cultural festivals of Himachal Pradesh is organised on the auspicious occasion of Basant Panchami at Hadimba Temple?			
Ans	A). Bisua	B). Doongri	C). Mopin	D). Ziro
	Correct Answer: B			
Q.13	In May 2023, the Union Housing and Urban Affairs Ministry has extended the deadline of its Smart Cities Mission to _____.			
Ans	A). June 2027	B). June 2026	C). June 2024	D). June 2025
	Correct Answer: C			
Q.14	Where was the Hindustani classical singer Kumar Gandharva born?			
Ans	A). Tamil Nadu	B). Tripura	C). Odisha	D). Karnataka
	Correct Answer: D			
Q.15	Who among the following scholars gave reference to the history of Kashmir?			
Ans	A). Banbhatta	B). Kalidas	C). Harsha	D). Kalhana
	Correct Answer: D			
Q.16	The author of ‘Arthashastra’ was a contemporary of which of the following rulers?			
Ans	A). Chandragupta Maurya	B). Samudragupta	C). Chandragupta Vikramaditya	D). Ashoka
	Correct Answer: A			
Q.17	In which of the following years was the Child Marriage Restraint Act passed?			
Ans	A). 1902	B). 1872	C). 1929	D). 1856
	Correct Answer: C			
Q.18	Sunil Chhetri made history by becoming the first Indian to score a hat-trick in the Hero ISL, which came in the _____ edition.			
Ans	A). 2015	B). 2014	C). 2013	D). 2016
	Correct Answer: A			

Q.19	The classical dance form ‘Kathakali’ traces its origin to which of the following states of India?				
Ans	A). Kerala	B). Odisha	C). Andhra Pradesh	D). Tamil Nadu	Correct Answer: A
Q.20	What is the primary function of the excretory system in animals?				
Ans	A). Respiration	B). Removal of waste products	C). Digestion	D). Reproduction	Correct Answer: B
Q.21	Article 157 of the Constitution of India mentions the qualifications required for appointment of the _____ of a State.				
Ans	A). Chief Minister	B). Election Commissioner	C). Chief Justice of High Court	D). Governor	Correct Answer: D
Q.22	Which of the following is NOT an example of public goods?				
Ans	A). National defence	B). Driveway at our home	C). Law enforcement	D). Access to clean air	Correct Answer: B
Q.23	At which of the following places was the Indian Civil Service Examination held for the first time in India?				
Ans	A). Calcutta	B). Surat	C). Allahabad	D). Delhi	Correct Answer: C
Q.24	The Pitti Bird Sanctuary is located in which Union Territory/State of India?				
Ans	A). Tamil Nadu	B). Lakshadweep	C). Andaman and Nicobar Islands	D). Manipur	Correct Answer: B
Q.25	Which inorganic compound is known to undergo solid state reaction to form urea?				
Ans	A). Ammonium cyanate	B). Ammonium phosphate	C). Ammonium acetate	D). Ammonium nitrate	Correct Answer: A

Section : English Language and Comprehension

Q.1	Select the correct option of the given sentence.				
	Smt. Savithri is wisest than all others in the group.				
Ans	A). Smt. Savithri is the wiser than all others in the group.	B). Smt. Savithri is wise than all others in the group.	C). Smt. Savithri is wiser than all others in the group.	D). Smt. Savithri is the wise than all others in the group.	Correct Answer: C
Q.2	Select the most appropriate option to fill in the blank.				
	The teacher asked the students to stay _____ during the exam.				
Ans	A). quite	B). quiet	C). quote	D). quit	Correct Answer: B
Q.3	Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.				
	He received the best employee award because he was the <u>more hardworking</u>.				
Ans	A). hardworking	B). most hardworking	C). No improvement required	D). the hardworking	Correct Answer: B
Q.4	Select the most appropriate option to fill in the blank.				
	Due to _____ 'eve teasing', parents conclude that it is not worth the danger of sending their daughters to school.				
Ans	A). rectified	B). narrow	C). localised	D). widespread	Correct Answer: D
Q.5	Select the word that has the same meaning (SYNONYM) as the underlined word in the given sentence.				
	The teacher made <u>judicious</u> use of technology to explain a sensitive topic.				
Ans	A). difficult	B). prominent	C). prudent	D). judgmental	Correct Answer: C
Q.6	Read the following sentence and select its future tense form from the options given below:				
	Ramya finished her dissertation early.				
Ans	A). Ramya had finished her dissertation early.	B). Ramya will finish her dissertation early.	C). Ramya has finished her dissertation early.	D). Ramya is finishing her dissertation early.	Correct Answer: B

Q.7 Select the most appropriate option that can substitute the underlined segment in the given sentence. He possesses one of the <u>slimmer</u> handsets in the world. Ans A). most slim B). slimmest C). most slimmest D). slim Correct Answer: B
Q.8 Select the INCORRECTLY spelt word. Ans A). Exhilerate B). Incorrigible C). Mischievous D). Amendment Correct Answer: A
Q.9 Select the most appropriate option to substitute the underlined segment in the given sentence. The branches of the tree <u>is</u> very long. Ans A). had B). was C). are D). has Correct Answer: C
Q.10 Select the INCORRECTLY spelt word. Ans A). Abandoned B). Dangerous C). Celibrate D). Excellent Correct Answer: C
Q.11 select the most appropriate option to fill in the blank to complete the idiom and make the sentence meaningful. During the interview, the candidate was challenged to provide chapter and _____ on his proposed plan. Ans A). verse B). page C). lines D). cover Correct Answer: A
Q.12 Select the INCORRECTLY spelt word.. Ans A). tendancy B). resistance C). separate D). weather Correct Answer: A
Q.13 Select the most appropriate ANTONYM of the word provided in the brackets to fill in the blank. The painting exhibited a _____ blend of colours. (harmonious) Ans A). quavering B). polyphonic C). thrilling D). discordant Correct Answer: D
Q.14 Select the appropriate meaning of the given idiom. At the drop of a hat Ans A). Willingness to do something instantly B). Become easily frightened C). Reveal a secret carelessly D). Crying without any reason Correct Answer: A
Q.15 Select the option that can be used as a one-word substitute for the given group of words. The place where soldiers live Ans A). Unit B). Regiment C). Brigade D). Barracks Correct Answer: D
Q.16 Select the most appropriate option to fill in the blank. David decided to _____ his old boat to get a new one. Ans A). sell B). sale C). cell D). ceil Correct Answer: A
Q.17 Select the most appropriate option to fill in the blank. The Chinese government has accepted slower economic development as the 'new normal', recognising the need for China to adopt a new growth model that depends less on fixed investment and exports and more on private consumption, services, and innovation to _____ economic growth. Ans A). drive B). exhale C). success D). bridle Correct Answer: A
Q.18 Select the most appropriate synonym of the word in bold in the given sentence. It is universally acknowledged that trees are indispensable to us. Ans A). Unusual B). Essential C). Rational D). Fierce Correct Answer: B
Q.19 In the following sentence the underlined part contains an error. Alternatives to the underlined part are given as options. Select the correct alternative. Yesterday was the <u>worse</u> day of my life. Ans A). most bad B). ill C). worst D). bad Correct Answer: C
Q.20 Which of the following sentences contains an adverbial error? Ans A). He sang beautifully at the talent show. B). The teacher spoke clear and concise. C). She writes slowly and steadily. D). They danced gracefully across the stage. 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.

It is the mad (1)_____ for speed that is responsible for many motor accidents. Only last year, I (2)_____ what might have been a (3)_____ accident on Kashmir Road. I was motoring down (4)_____ Srinagar; and as I was nearing Kohala, I came upon the (5)_____ of two cars on the road.

SubQuestion No : 21

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

Ans A). boredom B). craze C). luck D). block

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.

It is the mad (1)_____ for speed that is responsible for many motor accidents. Only last year, I (2)_____ what might have been a (3)_____ accident on Kashmir Road. I was motoring down (4)_____ Srinagar; and as I was nearing Kohala, I came upon the (5)_____ of two cars on the road.

SubQuestion No : 22

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

Ans A). anticipated B). witnessed C). checked D). argued

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.

It is the mad (1)_____ for speed that is responsible for many motor accidents. Only last year, I (2)_____ what might have been a (3)_____ accident on Kashmir Road. I was motoring down (4)_____ Srinagar; and as I was nearing Kohala, I came upon the (5)_____ of two cars on the road.

SubQuestion No : 23

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

Ans A). fatal B). wonderful C). happening D). harmless

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.

It is the mad (1)_____ for speed that is responsible for many motor accidents. Only last year, I (2)_____ what might have been a (3)_____ accident on Kashmir Road. I was motoring down (4)_____ Srinagar; and as I was nearing Kohala, I came upon the (5)_____ of two cars on the road.

SubQuestion No : 24

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

Ans A). from B). on C). since D). besides

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.

It is the mad (1)_____ for speed that is responsible for many motor accidents. Only last year, I (2)_____ what might have been a (3)_____ accident on Kashmir Road. I was motoring down (4)_____ Srinagar; and as I was nearing Kohala, I came upon the (5)_____ of two cars on the road.

SubQuestion No : 25

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

Ans A). clatter B). collision C). cluster D). pile

Correct Answer: B