

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

Exam Date	23/10/2024
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 The average score in the Mathematics exam of a class of 60 students is 52. A group of 8 boys with an average score of 40 left the class and another group of 10 boys with an average score of 43 joined the class. What is the new average score of the class? (correct to one decimal place)

Ans A). 50.5

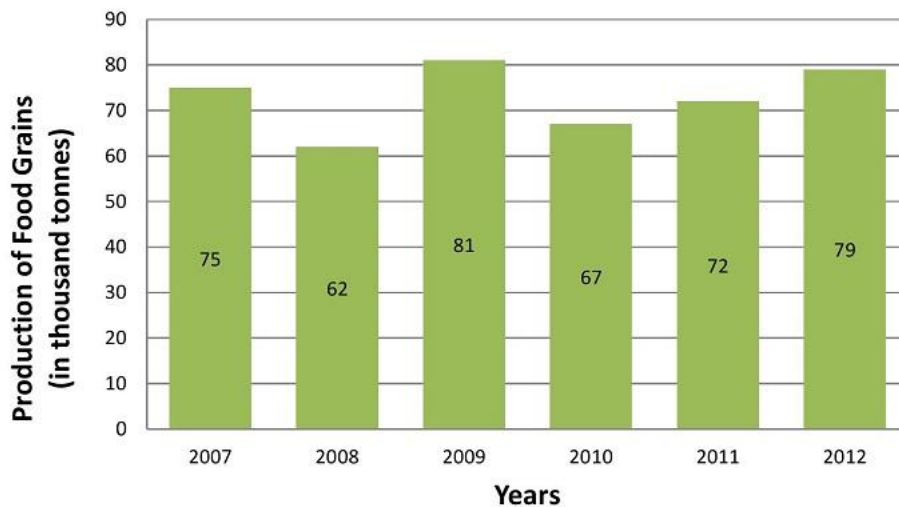
B). 52.1

C). 53.9

D). 55.7

Correct Answer: B

Q.2 The given graph shows the production of food grains of a country in different years. Study the graph and answer the question that follows.



The percentage increase in production from 2010 to 2011 was (Rounded off to 2 decimal places):

Ans A). 7.46%

B). 5.12%

C). 6.38%

D). 4.23%

Correct Answer: A

Q.3 Find the average of the numbers 1, -1, 0 and 2.

Ans A). 2

B). 4

C). 0.5

D). 1.5

Correct Answer: C

Q.4 The price of a book is first increased by 10% and then again by 20%. If the price of the book after both increments is ₹33, then the original price (in ₹) of the book is:

Ans A). 25

B). 32

C). 30

D). 33

Correct Answer: A

Q.5 If the speed of a boat going downstream is 40 km/h and its speed going upstream is 20 km/h, then find the speed of the stream (in km/h).

Ans A). 20

B). 10

C). 15

D). 40

Correct Answer: B

Q.6 Find the simple interest (in ₹) on ₹2000 as a sum borrowed at 9% per year rate of interest for 3 years.

Ans A). 500

B). 580

C). 480

D). 540

Correct Answer: D

Q.7 A solid top is in the form of a cone surmounted by a hemisphere. If the volume of the solid is 2816 cm^3 and the radius of the hemispherical part is 8 cm, then the height of the top is:
(Take $\pi = \frac{22}{7}$)

Ans A). 50 cm

B). 42 cm

C). 26 cm

D). 34 cm

Correct Answer: D

Q.8 By selling an item for ₹ 125, S earns 12% profit. What is the cost of the item (in ₹)? (Correct up to 2 decimal digits)

Ans A). 111.61

B). 116.61

C). 111.16

D). 116.16

Correct Answer: A

Q.9 The least number of five digits which is exactly divisible by each one of the numbers 12, 15 and 18 is:

Ans A). 10010

B). 10080

C). 10020

D). 10015

Correct Answer: B

Q.10 In an NCC camp, the average weight was 72 kg. If 5 cadets having average weight 76 kg leave and 11 cadets of average weight 79 kg join the group, the average weight of the cadets in the group increases by 0.6 kg. The number of cadets, initially in the group was:

Ans A). 89

B). 91

C). 81

D). 85

Correct Answer: A

Q.11 Find the simple interest (in ₹) on ₹3000 as a sum borrowed at 8% per year rate of interest for 3 years.

Ans A). 660

B). 680

C). 720

D). 760

Correct Answer: C

Q.12 The ratio of per kg market price of rice to that of wheat flour is 7 : 9 and the ratio of their quantities consumed by a family is 9 : 11. Find the ratio of the family's expenditure on rice to that on wheat flour.

Ans A). 9 : 11 B). 7 : 11 C). 11 : 9 D). 7 : 9 Correct Answer: B

Q.13 Find the curved surface area of the cylinder which has a height of 25 m and a base of radius 7 m.

Ans A). 2200 m^2 B). 550 m^2 C). 1100 m^2 D). 733 m^2 Correct Answer: C

Q.14 The internal and external diameters of a hollow hemispherical vessel are 28 cm and 32 cm, respectively. The cost incurred to paint 1 cm^2 of the vessel surface is ₹2.50. Find the total cost incurred to paint the vessel all over, correct to two decimals.
(Use $\pi = \frac{22}{7}$)

Ans A). ₹7,547.28 B). ₹7,574.28 C). ₹5,774.28 D). ₹7,745.28 Correct Answer: B

Q.15 A vendor loses the selling price of 4 oranges on selling 36 oranges. His loss percentage is:

Ans A). $11\frac{1}{9}\%$ B). 10% C). 20% D). 15% Correct Answer: B

Q.16 The given table shows the number of chocolates produced by five factories over 3 years.

Year	Factory				
	P	Q	R	S	T
2020	15,230	10,250	12,390	16,250	15,840
2021	12,110	13,256	17,820	14,561	13,258
2022	18,450	14,235	12,350	10,259	16,575

What is the average number of chocolates produced by factory S over the years?

Ans A). 12320 B). 11230 C). 10290 D). 13690 Correct Answer: D

Q.17 Suman travels the first 330 km by train at a speed of 110 km/hr and the next 165 km by bus at 55 km/hr. Ignoring the buffer time between different modes of travel, the average speed (in km/hr) for her tour was:

Ans A). 90 B). 85.5 C). $79\frac{1}{3}$ D). $82\frac{1}{2}$ Correct Answer: D

Q.18 After how many years will a sum of ₹8,925 at simple interest fetch a total amount of ₹12,941.25 at the rate of 9% per annum?

Ans A). 6 years B). 5 years C). 4 years D). 3 years Correct Answer: B

Q.19 In an experiment to determine the refractive index of water, a student took five sets of observations and got the values for the refractive index of water as 1.32, 1.37, 1.36, 1.39 and 1.31. What is its average value?

Ans A). 1.35 B). 1.36 C). 1.34 D). 1.33 Correct Answer: A

Q. The marked price of a trouser is ₹1,200. A shopkeeper offers 20% discount on this trouser and then again offers 30% discount on the

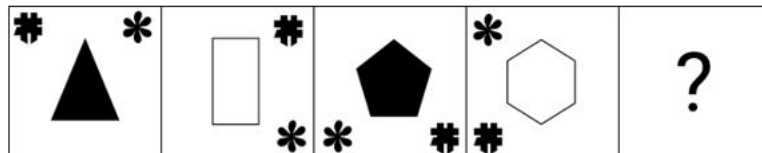
Ans A). ₹665 B). ₹650 C). ₹672 D). ₹675

Section : Reasoning Ability and Problem Solving

Q.1 In a certain code language, 'they may go tomorrow' is written as 'di hi bi fi' and 'we will come tomorrow' is written as 'li ji mi hi'. How is 'tomorrow' written in the given language?

Ans A). mi B). li C). di D). hi Correct Answer: D

Q.2 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.3 8 is related to 62 following a certain logic. Following the same logic, 11 is related to 119. To which of the following is 15 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). 223 B). 423 C). 123 D). 323 Correct Answer: A

Q.4 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 statement(s).
Statements:
 Some pigs are frogs.
 All bats are pigs.
Conclusions:
 (I) At least some bats are frogs
 (II) All pigs are bats.

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

Correct Answer: D

Q.5 A, B, C, D, E, F and G are sitting around a circular table facing the centre (but not necessarily in the same order). B sits second to the right of E, who is second to the right of C. G sits third to the left of D, who is not an immediate neighbour of F. A sits second to the right of D.
 What is the position of E with respect to C?

Ans A). Second to the right B). Immediate left C). Second to the left D). Immediate right

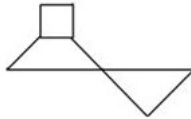
Correct Answer: A

Q.6 In a certain code language, 'under the impression' is written as 'ly ga po' and 'first impression matters' is written as 'ka mo po'. How will 'impression' be written in that language?

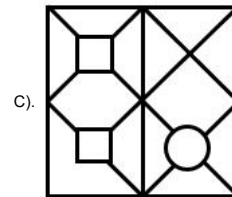
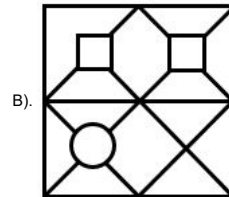
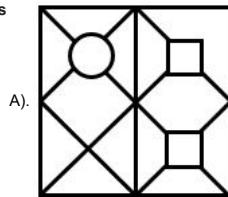
Ans A). po B). ly C). ka D). mo

Correct Answer: A

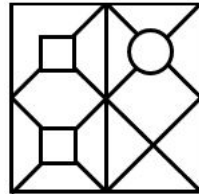
Q.7 Select the option in which the given figure is embedded (rotation is NOT allowed).



Ans



D).



Correct Answer: B

Q.8 What should come in place of the question mark (?) in the following series based on the English alphabetical order?
 EVD, ITH, MRL, QPP, ?

Ans A). UNS B). UMS C). UNT D). UMT

Correct Answer: C

Q.9 What will come in the place of '?' in the following equation, if '-' and 'x' are interchanged and '+' and '÷' are interchanged?
 $99 + 9 - 19 \times 59 \div 29 = ?$

Ans A). 189 B). 169 C). 179 D). 153

Correct Answer: C

Q.10 What should come in place of '?' in the given series?

17, 32, 93, 460, 3213, ?

Ans A). 35332 B). 25696 C). 28908 D). 22484

Correct Answer: A

Q.11 Select the set in which the numbers are related in the same way as are the numbers of the following sets.

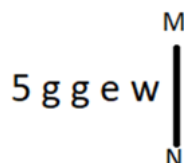
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is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

(17, 10, 95)
 (2, 11, 21)

Ans A). (19, 18, 30) B). (10, 6, 56) C). (24, 18, 128) D). (20, 16, 26)

Correct Answer: B

Q.12 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans A). 5ggew B). 2ggew C). 5ggew D). 5ggew

Correct Answer: D

Q.13

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

=

U

P

=

?

P O U T

T = 8 P U 8 = O O P T U

8 O T 8

Ans

A).

8

P T U O

=

B).

U

= T P 8

O

C).

O

8 T P =

U

D).

8

U O P T

=

Correct Answer: B

Q.14

EMHD is related to GOJF in a certain way based on the English alphabetical order. In the same way, IQLH is related to KSNJ. To which of the following is LTOK related following the same logic?

Ans A). VNMQ

B). VNQM

C). NVQM

D). NVMQ

Correct Answer: C

Q.15

In a certain code language, 'FIRE' is coded as '9571' and 'ROAD' is coded as '2146'. What is the code for 'R' in the given code language?

Ans A). 7

B). 2

C). 1

D). 6

Correct Answer: C

Q.16

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 vases are portraits.

Some portraits are flowers.

Conclusions:

(I) All flowers are vases.

(II) Some flowers may be portraits.

Ans A). Only conclusion II follows

B). Both conclusion I and II follow

C). Only conclusion I follows

D). Neither conclusion I nor II follow

Correct Answer: A

Q.17

Seven friends, A, B, C, D, E, F and G, are sitting around a table, facing the centre (but not necessarily in the same order). B is to the immediate right of F, and A is to the immediate right of B. E is an immediate neighbour of both F and D, while G is an immediate neighbour of both D and C. Who is sitting to the immediate right of A?

Ans A). B

B). E

C). C

D). D

Correct Answer: C

Q.18

In a certain code language, 'pass the ball' is coded as 'bq tr vl' and 'ball is red' is coded as 'hx vo bq'. How is 'ball' coded in the given language?

Ans A). vl

B). hx

C). tr

D). bq

Correct Answer: D

Q.19

IRIG is related to OXOM in a certain way based on the English alphabetical order. In the same way, DLEC is related to JRKI. To which of the following is SBUS related, following the same logic?

Ans A). YHYA

B). YHAY

C). AYYH

D). AYHY

Correct Answer: B

Q.20

What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?
16 ÷ 4 + 18 - 14 × 7 = ?

Ans A). 52

B). 65

C). 62

D). 48

Correct Answer: D

Section : General Awareness											
Q.1 The founder of Bahmani kingdom who assumed the title of 'Alauddin Hasan Bahman Shah' was _____. Ans A). Muhammad Shah B). Ahmad Shah C). Feroz Shah Bahmani D). Hasan Gangu Correct Answer: D											
Q.2 Which of the following represents the chemical formula for sulphur hexafluoride? Ans A). SF₂ B). S₂F₆ C). SF₆ D). S₆F Correct Answer: C											
Q.3 किस भारतीय शास्त्रीय नृत्य शैली की रचना मैतेई भाषा (Meitei language) में है? Ans A). भरतनाट्यम B). सत्रीया C). छऊ D). मणिपुरी Correct Answer: D											
Q.4 Match the columns. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Column A (Plant Group)</th><th style="width: 50%;">Column B (Example)</th></tr> </thead> <tbody> <tr> <td>i. Bryophyta</td><td>a. Rose</td></tr> <tr> <td>ii. Pteridophyta</td><td>b. Pine</td></tr> <tr> <td>iii. Gymnosperms</td><td>c. Mosses</td></tr> <tr> <td>iv. Angiosperms</td><td>d. Selaginella</td></tr> </tbody> </table> Ans A). i-d, ii-c, iii-b, iv-a B). i-c, ii-d, iii-a, iv-b C). i-c, ii-a, iii-b, iv-d D). i-c, ii-d, iii-b, iv-a Correct Answer: D	Column A (Plant Group)	Column B (Example)	i. Bryophyta	a. Rose	ii. Pteridophyta	b. Pine	iii. Gymnosperms	c. Mosses	iv. Angiosperms	d. Selaginella	
Column A (Plant Group)	Column B (Example)										
i. Bryophyta	a. Rose										
ii. Pteridophyta	b. Pine										
iii. Gymnosperms	c. Mosses										
iv. Angiosperms	d. Selaginella										
Q.5 'निष्ठा (NISHTHA)' का पूर्ण रूप _____ है। Ans A). नेशनल इनोग्रेशन फॉर स्कूल हेड्स एंड टीचर्स होलिस्टिक असेसमेंट (National Inauguration for School Heads' and Teachers' Holistic Assessment) B). नेशनल इनोग्रेशन फॉर स्कूल हेड्स एंड टीचर्स होलिस्टिक एडवांसमेंट (National Inauguration for School Heads' and Teachers' Holistic Advancement) C). नेशनल इनिशिएटिव फॉर स्कूल हेड्स एंड टीचर्स होलिस्टिक एडवांसमेंट (National Initiative for School Heads' and Teachers' Holistic Advancement) D). नेशनल इनिशिएटिव फॉर स्कूल हेड्स एंड टीचर्स होलिस्टिक असेसमेंट (National Initiative for School Heads' and Teachers' Holistic Assessment) Correct Answer: C											
Q.6 अखिल भारतीय किसान सभा की स्थापना अप्रैल _____ में लखनऊ में हुई थी, जिसके अध्यक्ष स्वामी सहजानंद सरस्वती थे। Ans A). 1935 B). 1937 C). 1934 D). 1936 Correct Answer: D											

Q.7	आवधिक श्रम बल सर्वेक्षण डाटा (Periodic Labour Force data) 2023 के अनुसार, निम्नलिखित में से किस राज्य ने 15 वर्ष और उससे अधिक आयु वर्ग के लिए शहरी क्षेत्रों में सबसे अधिक बेरोजगारी दर दर्ज की है?			
Ans	A). हिमाचल प्रदेश	B). राजस्थान	C). केरल	D). छत्तीसगढ़ Correct Answer: A
Q.8	'Running for My Life: One Lost Boy's Journey from the Killing Fields of Sudan to the Olympic Games' an autobiography depicting the struggle for life to success in life is written by who among the following personalities?			
Ans	A). Noah Lyles	B). Lopez Lomong	C). Arnold Palmer	D). Jesse Owens Correct Answer: B
Q.9	A famous hill station 'Ranikhet' is located on which mountain?			
Ans	A). Eastern Ghats	B). Aravali	C). Western Ghats	D). Himalaya Correct Answer: D
Q.10	In Union Budget 2023-24, an aspirational Blocks Programme covering how many blocks has been launched?			
Ans	A). 500	B). 250	C). 300	D). 450 Correct Answer: A
Q.11	विलुप्त जानवरों की जांच पर केंद्रित अध्ययन का विशिष्ट क्षेत्र क्या कहलाता है?			
Ans	A). रत्नविज्ञान (Gemology)	B). हिमनद विज्ञान (Glaciology)	C). आर्थिक भूविज्ञान (Economic geology)	D). जीवाश्मिकी (Palaeontology) Correct Answer: D
Q.12	Kudumbashree is a poverty eradication and women empowerment programme. In which state of India does this programme operate?			
Ans	A). Karnataka	B). Kerala	C). Tamil Nadu	D). Andhra Pradesh Correct Answer: B
Q.13	Which of the following leaders died after being hit by sticks while protesting against the Simon Commission?			
Ans	A). Lala Lajpat Rai	B). Bal Gangadhar Tilak	C). Bhagat Singh	D). Chandra Shekhar Azad Correct Answer: A
Q.14	Under which of the following Articles is Right to Equality mentioned?			
Ans	A). Articles 14-18	B). Articles 19-22	C). Articles 10-12	D). Articles 1-4 Correct Answer: A
Q.15	पद्म श्री पुरस्कार (2023) से सम्मानित गुरु के. कल्याणसुंदरम पिल्लई (K Kalyanasundaram Pillai) निम्नलिखित में से किस शास्त्रीय नृत्य शैली के प्रतिपादक हैं?			
Ans	A). भरतनाट्यम	B). कथकली	C). कथक	D). सत्रिया Correct Answer: A
Q.16	लौह युग के बारे में निम्नलिखित में से कौन-सा/कौन-से कथन सत्य है/हैं? 1. बड़े शहरों की स्थापना एक बड़े अधिशेष (sizeable surplus) के आधार पर हुई। 2. इस युग से जुड़ा सिरैमिक (ceramic) चित्रित ग्रे वेयर (Painted Grey Ware) था। 3. सिंधु घाटी सभ्यता लौह युग के दौरान फली-फूली।			
Ans	A). केवल 2 और 3	B). केवल 1	C). सभी 1, 2 और 3	D). केवल 1 और 2 Correct Answer: D
Q.17	In badminton, how high above the ground is the net positioned at the edges?			
Ans	A). 5.4 feet	B). 5.3 feet	C). 5.1 feet	D). 5.2 feet Correct Answer: C
Q.18	वह स्थिति जब किसी जल निकाय में घुलित ऑक्सीजन की मात्रा चिंताजनक रूप से कम हो जाती है, _____ कहलाती है।			
Ans	A). अर्नोक्सिता (anoxia)	B). अव-आक्सीयता (hypoxia)	C). अम्लीकरण (acidification)	D). अधःतापिता (hypothermia) Correct Answer: B
Q.19	Which among the following data was used to compute the estimates in the national Multidimensional Poverty Index (MPI) Baseline Report?			
Ans	A). Economic Survey data	B). National Census data	C). Annual Employment-Unemployment Survey data	D). National Family Health Survey (NFHS-4) Correct Answer: D
Q.20	मिज़ो संस्कृति और परंपराओं की महिमा का जश्न मनाने के लिए मिज़ोरम में _____ दिनों तक वांग्पुई कुट (Vangpui Kut) उत्सव का आयोजन किया जाता है।			
Ans	A). 4	B). 2	C). 5	D). 3 Correct Answer: B
Q.21	निम्नलिखित संगीतकारों में से कौन अकबर के नवरत्नों का एक सदस्य था?			
Ans	A). नोबत खान	B). अमीर खुसरो	C). तानसेन	D). निज़ामुद्दीन औलिया Correct Answer: C
Q.22	Who among the following appoints the Acting Chief Justice in the absence of the Chief Justice of India?			
Ans	A). President	B). Senior most Judge of the Supreme Court	C). Prime Minister	D). Council of Ministers Correct Answer: A
Q.23	The Sun Temple at Konark, the Khajuraho Temple in Madhya Pradesh and the recently constructed Ram Temple in Ayodhya are examples of temples designed in which style of temple architecture?			
Ans	A). Vesara	B). Hoysala	C). Nagara	D). Dravida Correct Answer: C
Q.24	Which type of tea in large amount is exported from India to importing countries?			
Ans	A). Green tea	B). Herbal tea	C). Black tea	D). Regular tea Correct Answer: C
Q.25	In which of the following years was India the host of Women's T20 World Cup Cricket?			
Ans	A). 2010	B). 2016	C). 2014	D). 2012 Correct Answer: B

Section : English Language and Comprehension

Q.1	Select the correct spelling of the underlined word in the given sentence. The <u>princepal</u> of the college announced his early retirement today.			
Ans	A). principel	B). princeaple	C). principal	D). princepil Correct Answer: C
Q.2	Which of the following options is similar in meaning to the given word? Pensive			
Ans	A). Troubled	B). Talkative	C). Thoughtful	D). Tired Correct Answer: C
Q.3	Select the most appropriate meaning of the given idiom. Rain cats and dogs			
Ans	A). Doing something pointless	B). Very rarely	C). Raining heavily	D). Do something unplanned 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.

The ship struck the iceberg (1) _____ its side while it was still moving forward. In a few (2) _____, six great holes were made in the steel. Water rushed in, not in one place, but in separate places covering the Titanic hundred feet. The steel doors were therefore (3) _____. Captain Smith soon understood that (4) _____ could save the ship. He ordered the wireless officer to send out the ship's position and the letters CQD, which is the call for help. It told the world that the Titanic was (5) _____.

SubQuestion No : 22

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

Ans A). years

B). days

C). moments

D). weeks

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.

The ship struck the iceberg (1) _____ its side while it was still moving forward. In a few (2) _____, six great holes were made in the steel. Water rushed in, not in one place, but in separate places covering the Titanic hundred feet. The steel doors were therefore (3) _____. Captain Smith soon understood that (4) _____ could save the ship. He ordered the wireless officer to send out the ship's position and the letters CQD, which is the call for help. It told the world that the Titanic was (5) _____.

SubQuestion No : 23

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

Ans A). painted

B). burnt

C). useless

D). complete

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.

The ship struck the iceberg (1) _____ its side while it was still moving forward. In a few (2) _____, six great holes were made in the steel. Water rushed in, not in one place, but in separate places covering the Titanic hundred feet. The steel doors were therefore (3) _____. Captain Smith soon understood that (4) _____ could save the ship. He ordered the wireless officer to send out the ship's position and the letters CQD, which is the call for help. It told the world that the Titanic was (5) _____.

SubQuestion No : 24

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

Ans A). nothing

B). all

C). everything

D). enemies

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.

The ship struck the iceberg (1) _____ its side while it was still moving forward. In a few (2) _____, six great holes were made in the steel. Water rushed in, not in one place, but in separate places covering the Titanic hundred feet. The steel doors were therefore (3) _____. Captain Smith soon understood that (4) _____ could save the ship. He ordered the wireless officer to send out the ship's position and the letters CQD, which is the call for help. It told the world that the Titanic was (5) _____.

SubQuestion No : 25

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

Ans A). floating

B). victorious

C). sinking

D). reaching

Correct Answer: C