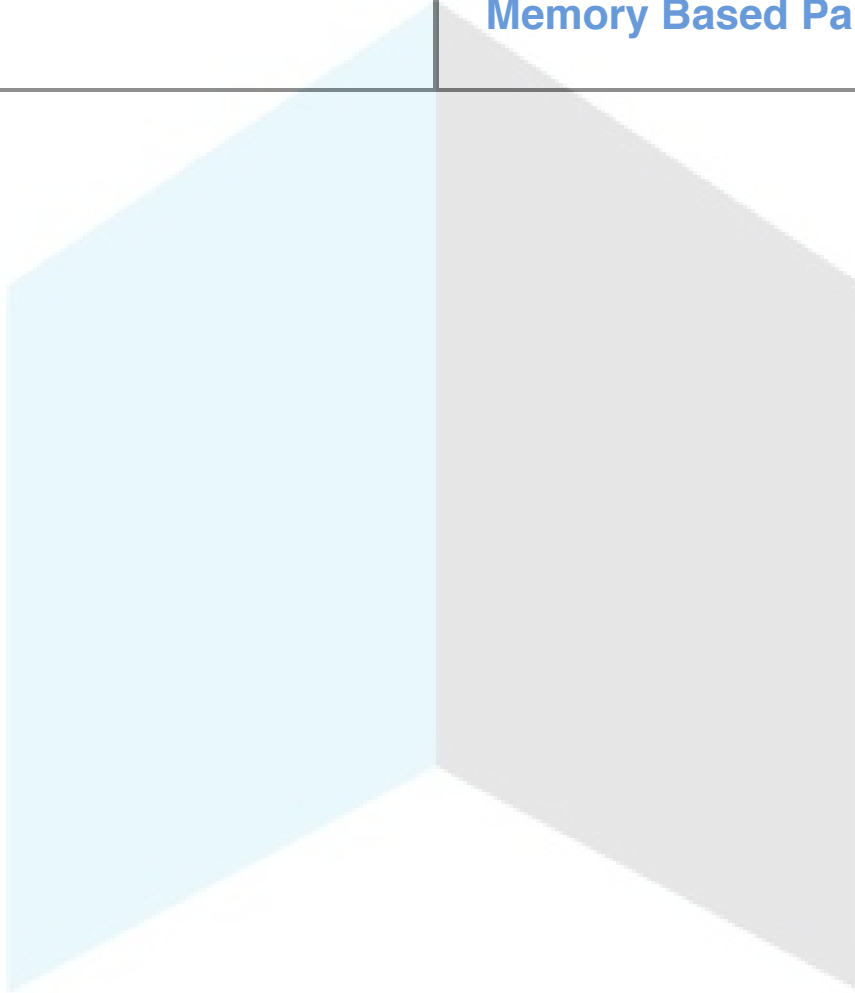


WIPRO

Previous Year Paper

Logical Reasoning
Memory Based Paper (2021)



14 Questions

Que. 1 Read the information given below and answer the questions that follow by choosing the most appropriate option.

Manish is standing outside his office facing north. He walks 15 m to his right. Then, he turns to his left and walks for 23 m. Then, he turns to his right and walks for 6 m. Then, he turns to his right and walks for 43 m to reach his home

What is the distance he will have to walk if he followed a straight-lined path from his office to his home?

1. 20 m
2. 35 m
3. 29 m
4. 21 m

Testbook Solution Correct Option - 3

Que. 2 In the question below, there are two statements followed by four conclusions given in the options. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusion logically follow(s) from the given statements.

Statements:

Some numbers are digits.

All digits are alphabets.

1. Some digits are not alphabets
2. Some digits are alphabets
3. Some alphabets are not numbers
4. All numbers are alphabets

Testbook Solution Correct Option - 2

Que. 3 Read the following statement and answer which of the following arguments is stronger?

Statement: Should all taverns be banned in India?

Argument:

1. Yes, alcohol consumption is the most important issue that Indians are facing today, especially young and lower middle class people, which motivates them for all levels of law-breaking activity.
 2. No, it will encourage the illicit liquor business to flourish which will lead to further complications.
1. Both argument 1 and argument 2 are strong.
 2. Only argument 1 is strong.
 3. Neither argument 1 nor argument 2 is strong.
 4. Only argument 2 is strong.

Testbook Solution Correct Option - 1

Que. 4 **Directions:** The given question consists of two statements numbered I and II that are below in it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is the position of R with respect to P?

Statements:

I. T is west to Q and south to P.

II. R is south to Q and south-west to S.

1. Only statement I is sufficient
2. Only statement II is sufficient
3. Both I and II are sufficient together
4. Neither I nor II is sufficient

Testbook Solution Correct Option - 3

Que. 5 Deepak said to Nitin, "That boy playing football is the younger of the two brothers of the daughter of my father's wife." How is the boy playing football related to Deepak?

1. Son
2. Brother
3. Cousin
4. Nephew

Testbook Solution Correct Option - 2

Que. 6 Six people P, Q, R, S, T and U sit in a row, not necessarily in the same order. If two persons sit in between P and Q, and two persons sit in between T and U, then how many persons sit in between R and S?

1. Two
2. Three
3. One
4. Four

Testbook Solution Correct Option - 1

Que. 7 Two fielders, I and J, start from the same point on a ground. I runs 20 m north and then turns towards the east and runs 35 m. He then turns to his right and runs 15 m. Meanwhile, J runs 30 m north and then turns right and runs 35 m. Where is J now with respect to I?

1. 25 m towards the south
2. 35 m towards the south
3. 25 m towards the north
4. 35 m towards the north

Testbook Solution Correct Option - 3

Que. 8 In the following question, select the related letter pair from the given alternatives.

MONT : KEFD :: ?

1. ACDL : CUTR
2. GRAN : FRIX
3. NGTR : IKXF
4. LPXD : UNGC

Testbook Solution Correct Option - 1

Que. 9 In the question, symbols @, \$, #, * and % are used with different meanings as follows:

'A # B' means 'A is equal to B',

'A @ B' means 'A is greater than B'

'A * B' means 'A is either greater than or equal to B'

'A \$ B' means 'A is either smaller than or equal to B'

'A + B' means 'A is smaller than B'.

Now assuming in each of the following questions the given statements to be true, find which of the given conclusions given below them is/are definitely true and give your answer accordingly.

Statements:

I. $E * F$

II. $G \$ H$

III. $H \# E$

IV. $G @ K$

Conclusion:

I. $H @ K$

II. $H * F$

1. Only conclusion I follows.
2. Only conclusion II follows
3. Both conclusion I and conclusion II follow.
4. Neither conclusion I nor conclusion II follows

Testbook Solution Correct Option - 3

Que. 10 **Statements:**

I. $H + L$

II. $L * G$

III. $G \# M$

Conclusions:

I. $H \# M$

II. $H + G$

1. Only conclusion I follows
2. Only conclusion II follows
3. Both conclusion I and conclusion II follow
4. Neither conclusion I nor conclusion II follows

Testbook Solution Correct Option - 4

Que. 11 Who is the immediate right of P among the five persons P, Q, R, S and T facing North ?

Statements:

(1) R is third to the left of Q and P is second to the right of R.

(2) Q is the immediate left of T who is second to the right of P

1. The data in (1) alone are sufficient while the data in (2) alone are not sufficient to answer the question
2. The data in (2) alone are sufficient while the data in (1) alone are not sufficient to answer the question

3. The data either in (1) or (2) are sufficient to answer the question
4. The data in both (1) and (2) are sufficient to answer the question

Testbook Solution Correct Option - 3

Que. 12 **Statement:** Should school education be made free in India ?

Arguments:

- I. Yes, this is the only way to improve the level of literacy.
- II. No, it will add to the already heavy burden on the exchequer.

Select the correct answer from the codes given below:

1. Only argument I is strong.
2. Only argument II is strong.
3. Neither argument I nor II is strong
4. Both argument I and II are strong.

Testbook Solution Correct Option - 3

Que. 13 The question given below is made up of two statements 1 and 2. You have to decide whether the information given in the statements is sufficient to answer the question. Read both the statements and select the correct answer.

Question A, B, C, D and E are five friends. Who is the shortest among them?

1. A is taller than D and C. E is taller than A.
 2. B is taller than all of them.
1. The data in both statements 1 and 2 are not sufficient to answer the question.
 2. The data in statement 1 are sufficient to answer the question.
 3. The data in both statements 1 and 2 are sufficient to answer the question.
 4. The data in statement 2 are sufficient to answer the question.

Testbook Solution Correct Option - 1

Que. 14 Select the letter cluster that can replace the (?) in the following series.

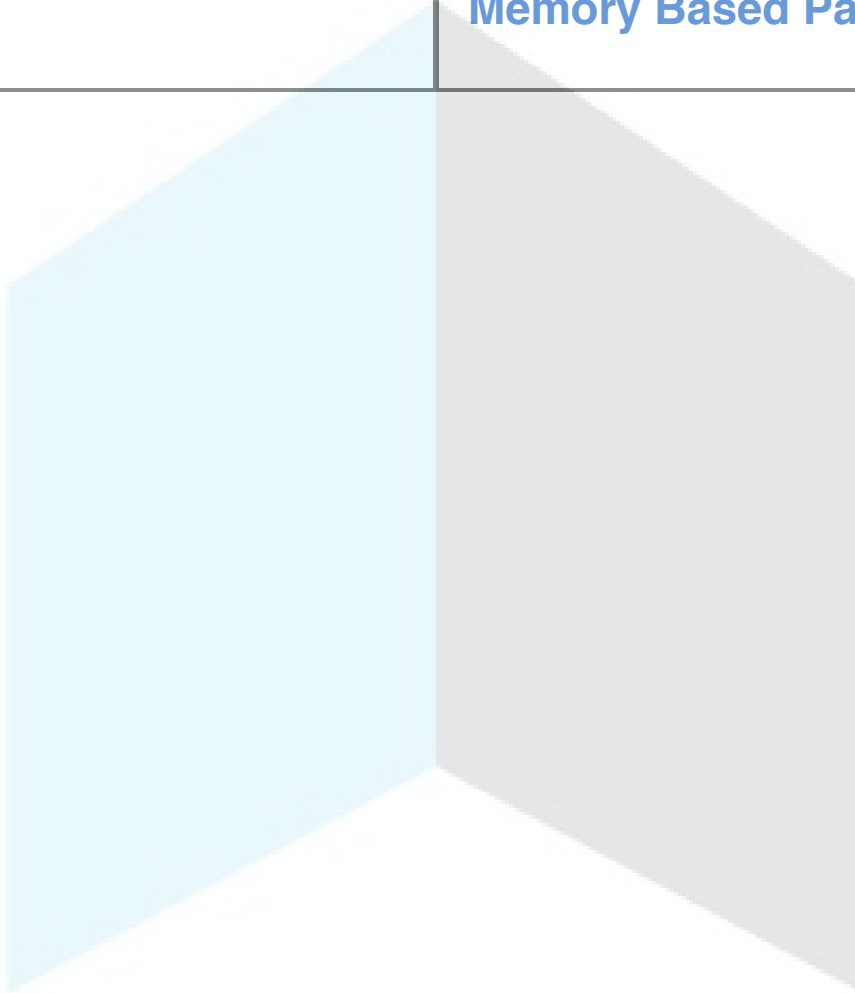
KPA LQB MRC NSD, ?

1. OTE
2. PER
3. LTQ
4. MOL

Testbook Solution Correct Option - 1

WIPRO

Previous Year Paper
Quantitative Aptitude
Memory Based Paper (2021)



16 Questions

Que. 1 In how many ways can a team of 5 players be selected from 8 players so as not to include a particular player?

1. 42
2. 35
3. 21
4. 20

Testbook Solution Correct Option - 3

Que. 2 A train travels at a certain average speed for a distance of 63 km and then travels a distance of 72 km at an average speed of 6 km/hr more than its original speed. If it takes 3 hours to complete the total journey, what is the original speed of the train in km/hr?

1. 24
2. 33
3. 42
4. 66

Testbook Solution Correct Option - 3

Que. 3 To do a certain piece of work, B would take three times as long as A and C together and C twice as long as A and B together. A, B and C working together can complete the work in 10 days. How long would B take by himself to complete the same piece of work?

1. 24 days
2. 30 days
3. 40 days
4. 36 days

Testbook Solution Correct Option - 3

Que. 4 P, Q and R have money in the ratio of 4 : 1 : 2. P gives $\frac{1}{4}$ of his sum to Q and P gives $\frac{1}{6}$ of his initial sum to R. R gives $\frac{1}{2}$ of his new sum to Q. What is the final ratio of money with P, Q and R?

1. 7 : 10 : 4
2. 2 : 18 : 11 : 20
3. 3 : 8 : 10 : 11
4. 4 : 16 : 10 : 9

Testbook Solution Correct Option - 1

Que. 5 How many 5-digit prime numbers can be formed using the digits 1, 2, 3, 4, 5 if the repetition of digits is not allowed?

1. 5
2. 4
3. 3
4. 0

Testbook Solution Correct Option - 4

Que. 6 On successively dividing a number by 5, 7 and 9, remainders are 2, 4 and 6 respectively and the final quotient is 2. What will be the remainder if the order of the divisors is reversed?

1. 7, 3 and 2
2. 6, 3 and 1
3. 6, 4 and 2
4. 7, 4 and 3

Testbook Solution Correct Option - 4

Que. 7 14 men and 10 women can do half of the work in 15 days. 10 men and 20 women can do $\frac{3}{4}$ th of the same work in 15 days. If 1 woman gets Rs. 55 per day then find the daily wage of 1 man.

1. Rs. 20
2. Rs. 25
3. Rs. 30
4. Rs. 35

Testbook Solution Correct Option - 2

Que. 8 Which of the following numbers will completely divide $(7^{29} - 7^{30} - 7^{31} + 7^{32})$?

1. 26
2. 78
3. 72
4. 51

Testbook Solution Correct Option - 3

Que. 9 Two cards are drawn successively without replacement from a well-shuffled pack of 52 cards. The probability of drawing two aces is

1. $\frac{1}{26}$
2. $\frac{1}{221}$
3. $\frac{4}{223}$
4. $\frac{1}{13}$

Testbook Solution Correct Option - 2

Que. 10 If $2^{\frac{1}{2}} \times 8^{\frac{1}{2}} \div 64^{\frac{1}{2}} + 79^0 = \frac{3}{2}x$, find the value of x.

1. 0
2. 1
3. $\frac{1}{2}$
4. 2

Testbook Solution Correct Option - 2

Que. 11 Find the remainder when 3^{215} is divided by 43 ?

1. 35
2. 30
3. 28
4. 33

Testbook Solution Correct Option - 3

Que. 12 Cost price and selling price of an article are in ratio of 11 : 16. If cost price is increased by 20 percent and selling price is increased by 20 percent, then what is the new profit percentage?

1. 52.24
2. 61.86
3. 45.45
4. 37.43

Testbook Solution Correct Option - 3

Que. 13 In an office there are 108 tables and 132 chairs. If $\frac{1}{6}$ of the tables and $\frac{1}{4}$ of the chairs are broken. How many people can work in the office if each person requires one table and one chair?

1. 86
2. 90
3. 92
4. 99

Testbook Solution Correct Option - 2

Que. 14 A father distributed Rs. 15000 among his sons A and B in the ratio 2 : 3. But B gave away 20 percent of his share to his younger sister. What is the amount that is left with B now?

1. Rs. 7200
2. Rs. 3600
3. Rs. 8000
4. Rs. 9600

Testbook Solution Correct Option - 1

Que. 15 If $672xy$ is divisible by 3, 7, and 11 then find the value of $6x + 5y$.

1. 17
2. 15
3. 21
4. 18

Testbook Solution Correct Option - 1

Que. 16 $7^{10} + 7^{10} + 7^{10} + 7^{10} + 7^{10} + 7^{10} + 7^{10} = 7^n$

1. 10
2. 70
3. 11
4. 7

Testbook Solution Correct Option - 3

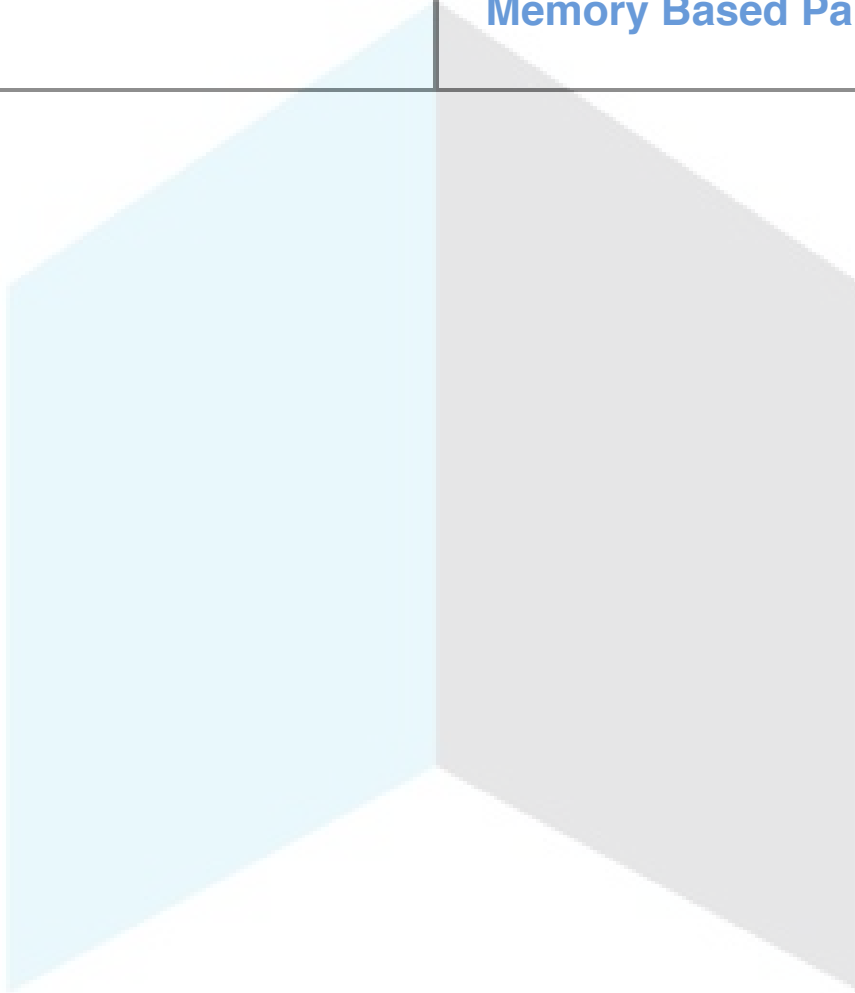


WIPRO

Previous Year Paper

Verbal Ability

Memory Based Paper (2021)



22 Questions

Que. 1 Direction- Complete the sentence given below.

They were elated to meet visitors, now turned friends, who had come from different schools to spend time with these children. The word 'visitors' is used for people _____.

1. who are excited for trips
2. who are friends of each other
3. visiting someone or somewhere
4. who move from place to place and have no permanent home.

Testbook Solution Correct Option - 3

Que. 2 Spot the error in the given sentence and choose the option that rectifies it.

These river and that mountains make the weather what it is.

1. This river and those mountains make the weather what they are.
2. These rivers and those mountains make the weather what it is.
3. These river and those mountains make the weather what it is.
4. These river and that mountains make the weather what they are.

Testbook Solution Correct Option - 2

Que. 3 In the following question, a sentence has been given in Active (or passive) voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive (or Active) voice.

Look at the poll results. Do they inspire hope ?

1. Let the poll results be looked. Is hope inspired by them ?
2. Let the poll results be looked at. Has hope been inspired by them ?
3. let the poll results be looked at. Is hope being inspired by them ?
4. Let the poll results be looked at. Is hope inspired by them ?

Testbook Solution Correct Option - 4

Que. 4 In the following question, the given sentence has four parts marked P, Q, R, and S. Choose the part of the sentence with the error and mark it as your answer. If there is no error, mark 'No error (S)' as your answer.

The consequence of (P) / his carelessness was (Q) / that the game was lost. (R) / No error (S)

1. P
2. Q
3. R
4. S

Testbook Solution Correct Option - 4

Que. 5 Select the synonym of the given word.

SAVAGE

1. humane
2. urban
3. civilised
4. barbarian

Testbook Solution Correct Option - 4

Que. 6 Correct the following sentence:

I can't imagine why you were believing all those rumours since yesterday.

1. I can't imagine why wasn't you believing all those rumours since yesterday.
2. I can't imagine why you have been believing all those rumours since yesterday.
3. I can't imagine why you believed all those rumours since yesterday.
4. I can't imagine why do you believe all those rumours since yesterday.

Testbook Solution Correct Option - 2

Que. 7 Direction: For underlined part of the sentence, choose the part of the sentence from given choices, to correct or improve it.

20 kms are not a great distance in these days of fast moving vehicles.

1. is not a great distance
2. is no distance
3. aren't a great distance
4. No improvement

Testbook Solution Correct Option - 1

Que. 8 Directions: Out of the given options, choose the one which is the correct active voice of the sentence given below.

The winning novel was chosen by a panel of famous fiction writers.

1. A panel of famous fiction writers is choosing the winning novel.
2. A panel of famous fiction writers had chosen the winning novel.
3. A panel of famous fiction writers were choosing the winning novel.
4. A panel of famous fiction writers chose the winning novel.

Testbook Solution Correct Option - 4

Que. 9 Directions: The sentence below consists of a word that is bold and italicized. It is followed by four words. Select the one which is closest to the opposite in meaning of the italicized word:

The artist led a very ***austere*** life.

1. eventful
2. exciting
3. boisterous
4. luxurious

Testbook Solution Correct Option - 4

Que. 10 DIRECTIONS: Read the following passage carefully and answer the following questions.

Welcome to the brave new world of hightech dentistry. Here, teeth stained by coffee, tea, and tobacco are bleached considerably white in a single sitting, and crowned and laminated in a single visit. Infected gum tissue can be vaporized bloodlessly in a few minutes with lasers. Even though restorative dentistry dates back to ancient civilizations, it is, in a sense, a new art and one that is increasingly in demand. Indeed, restorative dentistry has become a multibilliondollar industry. More and more people are clamouring for dentistry that not only ensures good oral health but also helps attract admiring glances and raises selfesteem.

If you need a restoration either an inlay that replaces part of a tooth or a crown that covers it entirely, some dentists offer a spaceage ticket called 'Cerec'. This laser scanner outlines and preserves the genetic design of your tooth with precision. It calculates the tooth's exact size and shape, creates a threedimensional computer image and sends it to a milling unit where, in minutes diamond burrs transform a tiny block of ceramic that is coloured to match the enamel of your other tooth into a natural looking crown.

What is Restorative dentistry?

1. Study, diagnosis and treatment of the diseases of bones.
2. Study, diagnosis and treatment of the diseases of skull.
3. Study, diagnosis and treatment of the diseases of teeth.
4. None of the above.

Testbook Solution Correct Option - 3

Que. 11 What does the word 'clamouring' mean?

1. Opposing
2. Buying
3. Demanding
4. Going against

Testbook Solution Correct Option - 3

Que. 12 What does the word 'oral' mean in the passage?

1. Relating to the speech.
2. Relating to the sense of vision and hearing.
3. Relating to the mouth.
4. None of the above.

Testbook Solution Correct Option - 3

Que. 13 What can be done through hightech dentistry?

1. All the cavities can be filled with a filling.
2. Artificial set of teeth can be replaced by natural ones.
3. Teeth can be polished, crowned and laminated in a single sitting.
4. None of the above.

Testbook Solution Correct Option - 3

Que. 14 What can be done through Restorative dentistry?

1. Facial surgery can be done.
2. New teeth can be transplanted.
3. One can get rid of dirty and infected teeth, and can get Clean and sparkling teeth.

4. None of the above.

Testbook Solution Correct Option - 3

Que. 15 **Directions: A sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.**

The government has to take necessary precautions against this new virus to protect people from getting infected.

1. Necessary precautions are being taken by the government against this new virus to protect the people from getting infected.
2. Necessary precautions should have been taken by the government against this new virus to protect the people from getting infected.
3. Necessary precautions have been taken by the government against this new virus to protect the people from getting infected.
4. Necessary precautions have to be taken by the government against this new virus to protect people from getting infected.

Testbook Solution Correct Option - 4

Que. 16 **Choose the correct alternative which will improve the quoted part of the given sentence.**

The fast train 'come a halt before' crossing the bridge.

1. Came before to halt
2. Came to a halt before
3. Came to halts before
4. No improvement

Testbook Solution Correct Option - 2

Que. 17 **Directions: Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.**

If he remains absent from the college, he will have to pay a fine.

1. If he is remain absent from
2. No improvement
3. If he is remaining absent from
4. If he will remains absent from

Testbook Solution Correct Option - 2

Que. 18 **Directions: Some parts of the sentence have errors and some are correct. Find out which part has an error and mark that part as your answer. If there are no errors, mark No error as your answer.**

Since Tony hates to fly, the(1)/ travel agent will advice him to choose(2)/ a vacation destination within the driving range.(3)/ No error(4).

1. Since Tony hates to fly, the
2. travel agent will advice him to choose
3. a vacation destination within the driving range.
4. No error.

Testbook Solution Correct Option - 2

Que. 19 **Directions: Choose the word which best expresses nearly the same meaning of the given word.**
TRIVIAL

1. Significant
2. Momentous
3. Unimportant
4. Critical

Testbook Solution Correct Option - 3

Que. 20 Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
It was exciting (1)/ to see the snake dancing (2)/ to the tune of the flute (3)/ No error (4)

1. to the tune of the flute
2. No error
3. to see the snake dancing
4. It was exciting

Testbook Solution Correct Option - 3

Que. 21 **Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.**

The suspect was (taken unawares, without the chance to dispose) the evidence.

1. taken unawares, without the chance to dispose off
2. No correction required
3. taken unawares, without the chance to dispose of
4. taken unaware, without the chance to dispose

Testbook Solution Correct Option - 3

Que. 22 **Identify the best way to improve the bold part of the given sentence. If there is no improvement required, select 'no improvement'.**

I hope you vividly remember the premiere of the film when **I, my wife and you** were present in the hall.

1. my wife, I and you
2. you, my wife and I
3. my wife, you and I
4. no improvement

Testbook Solution Correct Option - 2

Wipro Elite NTH Coding Programming Q&A - Paper 1



C Programming

1. Which one of the following is correct syntax for opening a file.
- a) FILE *fopen(const *filename, const char *mode)
 - b) FILE *fopen(const *filename)
 - c) FILE *open(const *filename, const char *mode)
 - d) FILE open(const*filename)

Answer: a

Explanation: fopen() opens the named file, and returns a stream, or NULL if the attempt fails.

2. What will be the output of the following C code?

```
1.  #include <stdio.h>
2.  int main()
3.  {
4.      int x = 97;
5.      switch (x)
6.      {
7.          case 'a':
8.              printf("yes ");
9.              break;
10.         case 97:
11.             printf("no\n");
12.             break;
13.     }
14. }
```

- a) yes
- b) yes no
- c) Duplicate case value error
- d) Character case value error

Answer: c

Wipro Elite NTH Coding Programming Q&A - Paper 1



CPP

3. What are the advantages of passing arguments by reference?
- a) Changes to parameter values within the function also affect the original arguments
 - b) There is need to copy parameter values (i.e. less memory used)
 - c) There is no need to call constructors for parameters (i.e. faster)
 - d) All of the mentioned

Answer: d

Explanation: All the above mentioned are advantages and properties of call by reference.

4. Which header file is required to use any container?
- a) <any>
 - b) <stl>
 - c) <container-any>
 - d) <containers>

Answer: a

Explanation: <any> header file is required to use any container and its related functions.

Java

5. What will be the output of the following Java code?

Wipro Elite NTH Coding Programming Q&A - Paper 1



```
1.  import java.util.*;
2.  class stack
3.  {
4.      public static void main(String args[])
5.      {
6.          Stack obj = new Stack();
7.          obj.push(new Integer(3));
8.          obj.push(new Integer(2));
9.          obj.pop();
10.         obj.push(new Integer(5));
11.         System.out.println(obj);
12.     }
13. }
```

- a) [3, 5]
- b) [3, 2]
- c) [3, 2, 5]
- d) [3, 5, 2]

Answer: a

Explanation: push() and pop() are standard functions of the class stack, push() inserts in the stack and pop removes from the stack. 3 & 2 are inserted using push() the pop() is used which removes 2 from the stack then again push is used to insert 5 hence stack contains elements 3 & 5.

Output:

```
$ javac stack.java
$ java stack
[3, 5].
```

6. What is the remaining capacity of BlockingQueue whose intrinsic capacity is not defined?
- a) Integer.MAX_VALUE
 - b) BigDecimal.MAX_VALUE

Wipro Elite NTH Coding Programming Q&A - Paper 1



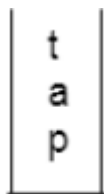
- c) 999999999
- d) Integer.INFINITY

Answer: a

Explanation: A BlockingQueue without any intrinsic capacity constraints always reports a remaining capacity of Integer.MAX_VALUE.

Data Structures

7. What will be result if the given stack is popped?



- a) pat
- b) tap
- c) atp
- d) apt

Answer: b

Explanation: The word 'pat' is pushed on to the stack. When the characters of the stack are popped one by one, the word 'tap' is obtained.

8. What is wrong with below code for inorder traversal of inorder threaded binary tree:

```
inordertraversal(threadedtreenode root):  
    threadedtreenode q = inorderpredecessor(root)  
    while(q!=root):  
        q=inorderpredecessor(q)  
        print q.data
```

Wipro Elite NTH Coding Programming Q&A - Paper 1



- a) inorder successor instead of inorder predecessor must be done
- b) code is correct
- c) it is code for post order
- d) it is code for pre order

Answer: a

Explanation: Property of inorder threaded binary tree is left node with inorder predecessor and right node with inorder successor information are stored.

9. What does the following function do for a given Linked List with first node as head?

```
void fun1(struct node* head)
{
    if(head == NULL)
        return;
    fun1(head->next);
    printf("%d ", head->data);
}
```

- a) Prints all nodes of linked lists
- b) Prints all nodes of linked list in reverse order
- c) Prints alternate nodes of Linked List
- d) Prints alternate nodes in reverse order

Answer: b

Explanation: fun1() prints the given Linked List in reverse manner. For Linked List 1->2->3->4->5, fun1() prints 5->4->3->2->1.

Java

10. What will be the output of the following Java program?

Wipro Elite NTH Coding Programming Q&A - Paper 1



```
1.    class Output
2.    {
3.        public static void main(String args[])
4.        {
5.            ArrayList obj = new ArrayList();
6.            obj.add("A");
7.            obj.add("D");
8.            obj.ensureCapacity(3);
9.            obj.trimToSize();
10.           System.out.println(obj.size());
11.        }
12.    }
```

- a) 1
- b) 2
- c) 3
- d) 4

Answer: b

Explanation: trimToSize() is used to reduce the size of the array that underlines an ArrayList object.

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Output:

```
$ javac Output.java
$ java Output
2
```