

Roll Number

SET A



INDIAN SCHOOL MUSCAT
SECOND PRE - BOARD EXAMINATION
INFORMATION TECHNOLOGY (802)

CLASS: XII

TERM 2

Time Allotted: 2 Hrs.

05.03.2022

Max. Marks: 30

GENERAL INSTRUCTIONS

1. Please read the instructions carefully
2. This Question Paper is divided into 03 sections, viz., Section A, Section B and Section C.
3. Section A is of 05 marks and has 06 questions on Employability Skills.
 - a) Questions numbers 1 to 4 are one mark questions. Attempt any three questions.
 - b) Questions numbers 05 and 06 are two marks questions. Attempt any one question.
4. Section B is of 17 marks and has 16 questions on Subject specific Skills.
 - a) Questions numbers 7 to 13 are one mark questions. Attempt any five questions.
 - b) Questions numbers 14 to 18 are two marks questions. Attempt any three questions.
 - c) Questions numbers 19 to 22 are three marks questions. Attempt any two questions
5. Section C is of 08 marks and has 03 competency-based questions.
 - a) Questions numbers 23 to 25 are four marks questions. Attempt any two questions.
6. Do as per the instructions given in the respective sections.
7. Marks allotted are mentioned against each section/question.

SECTION-A (3+2 = 5 Marks)

Answer any 03 question out of the given 04 questions

3 x 1 = 3

- | | | |
|-----|--|---|
| Q.1 | An entrepreneur may face many environmental barriers. Give any two environmental barriers to entrepreneurship. | 1 |
| Q.2 | What do you mean by Organisational skills? | 1 |
| Q.3 | Give any two benefits of green job. | 1 |
| Q.4 | What are the possible green jobs in agriculture? | 1 |

Answer any 01 question out of the given 02 questions

1 x 2 = 2

- | | | |
|-----|--|---|
| Q.5 | Name and explain any four attitudes which makes a successful entrepreneur. | 2 |
|-----|--|---|

Q.6 List some ways for protecting and restoring ecosystems. 2

SECTION-B (5 + 6 + 6 = 17 marks)

Answer any 05 questions out of the given 07 questions 5 x 1 = 5

Q.7 How is a Java code executed? 1

Q.8 Name any two work areas where database application systems are used. 1

Q.9 What is a package? 1

Q.10 What do you mean by a “class” in Java? 1

Q.11 How can you write single line comment in java program? 1

Q.12 How many times the loop will execute? 1
for (int count = 8; count >= 1; count = count-1) {
System.out.print(" " +count);
}

Q.13 Write the statement to create an array that stores weights of 6 employees. 1

Answer any 03 questions out of the given 05 questions 3 x 2 = 6

Q.14 Explain the difference between System.out.println() and System.out.print(). 1+1

Q.15 Find the error and give correct code. 2
int num = 5;
do
{ System.out.print("Cube of " + num);
System.out.println(" = " + num*num*num) ;
} while(num<=10)

Q.16 What are variables? Give an example. 1+1

Q.17 What is selection structure? What are the selection structures provided in Java? 1+1

Q.18 What will be the value of m after the execution of the following selection statement : 2
int m = 6;
if ((10 > 20) && (7 > 4))
{m = 10;}
else m =15;

Answer any 02 questions out of the given 04 questions 2 x 3 = 6

Q.19 Read the code carefully and give its output : 1+1+1
package javaprograms;
public class StringDemo{
public static void main(String[]args)

```
{
String myString = "Woods are lovely";
System.out.println(myString.indexOf('o'));
System.out.println(myString.contains("ery"));
System.out.println(myString.length()); };
```

- Q.20 What will be the value of **bal** after the execution of the following code snippet? Give reason. 3
- ```
int choice = 5, bal = 0;
switch(choice)
{ case 5: bal = 30;
 case 6: bal = 35;
 case 7: bal = 50; break;
 case 8: bal = 60; break; }
System.out.println(bal);
```
- Q.21 Write a for loop that displays all even numbers between 10 to 20. 3
- Q.22 i. What do you mean by assertions in java? Give an example. 1+1+1  
 ii. What do you mean threads in java?  
 iii. Write the wrapper class for the primitive data type int.

### SECTION C

(2 x 4 = 8 marks)

#### (COMPETENCY BASED QUESTIONS)

Answer any 02 question out of the given 03 questions

- Q.23 What is a method in Java? Write a user defined method Area( ) which has length and breadth as parameter to the function that return the area of a rectangle. 1 + 3
- Q.24 Why we need exception handling in programming? What are the keywords provided by Java for handling exceptions? Give an example. 1+1+2
- Q.25 i. How database management concepts are helpful in Banking sector? 1+2+1  
 ii. XYZ Shopping Ltd is making database of Category and its Products. The Category table includes Category\_id, Cname, Cdescription. Give details of Products Table along with its schema.

**End of the Question Paper**