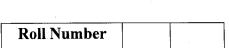| Roll Number			

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

CLASS: XII   TERM 2   Time Allotted: 2 Hrs.

18.04.2022   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   What do you mean by an Industrial entrepreneur?   1

Q.2   Name and explain any two qualities of a successful entrepreneur.   1

Q.3   Name two common green jobs in agriculture sector.   1

Q.4   Write any two benefits of green jobs.   1

Answer any 01 question out of the given 02 questions   1 x 2= 2

Q.5   Name and explain any four qualities that motivates an entrepreneur.   2

Q.6   Explain any four ways to minimise waste and pollution.   2

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

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

Q.7   What do you mean by a compiler?   1

Q.8   How do you display the output in a java program?   1

Q.9   What is the significance of main() method?   1

Q.10   What is an object in Java?   1

Q.11   Name any two work areas where database application systems are used.   1

Q.12   How many times the loop will execute?   1
```
for (int count = 1; count <= 10 ; count = count + 2) {
System.out.print(" " +count);
}
```

Q.13   Write the statement to create an array that stores salary of 5 employees.   1

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

Q.14   Explain any two relational operators used in java with examples.   1+1

Q.15   Find the error and give correct code.   2
```
int sum = 0 , I = 1 ;
while [ I <=5 ]
{
   sum = sum + I ;
   I ++ ;
}
   system.out.println(" SUM= " +sum) ;
```

Q.16   What are the rules for naming variables? Give an example of a valid and an invalid variable name.   1+1

Q.17   Explain the switch statement with an example.   1+1

Q.18   What will be the value of K after the execution of the following selection statement?   2
```
int K = 250;
if ((13 > 20) || ( 15 > 4) )
{ K = 500 ; }
else K = 400 ;
System.out.println("K=" +K) ;
```

Q.19   Read the code carefully and give its output :   1+1+1

```
package javaprogarms;
public class StringDemo{
public static void main(String[]args)
{
  String myString = "Future is prospective";
  System.out.println(myString.indexOf ('u'));
  System.out.println(myString.endsWith("ive"));
  System.out.println(myString.charAt(12)); } } ;
```

Q.20   What will be the value of disp after the execution of the following code snippet? Give   3
reason.

```
int  choice = 4, disp = 0 ;
switch(choice)
{ case 3: disp = 30 ; System.out.println(disp) ;
  case 4: disp = 35 ; System.out.println(disp) ;
  case 5: disp = 50 ; System.out.println(disp); break;
  case 6: disp = 60 ; System.out.println(disp); break;
}
```

Q.21   Write a for loop that displays all numbers divisible by 5 from 1 to 50.   3

Q.22   i. What are the two ways (methods) to use assert statements?   1+1+1
ii. What do you mean by threads in java?
iii. Write the wrapper class for the primitive data type double.

SECTION C   (2 x 4 = 8 marks)

(COMPETENCY BASED QUESTIONS)
Answer any 02 question out of the given 03 questions

Q.23   Write the syntax of a method in Java. Write a user defined method Area_Square( ) which has   1 + 3
length as parameter to the function that return the area of a square.

Q.24   What do you mean by object oriented programming in Java? What do you mean by a   1+1+2
constructor? Give an example of a parameter-less constructor.

Q.25   i. How database management concepts are helpful in Education?   1+2+1
ii. ABC Airlines Ltd is making database of Sector and its Flights. The Sector table includes
Sect_id, Sect_name. The flight table should have flight id, flight name, sector id, starting
place, destination and ticket price.
Give details of Flights table along with its schema.

End of the Question Paper