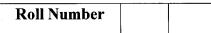| Roll Number		

SET   A

INDIAN SCHOOL MUSCAT
FIRST PRE-BOARD EXAMINATION
INFORMATION TECHNOLOGY

CLASS: XII   Sub.Code: 802   Time Allotted: 3 Hrs.

20.01.2020   Max. Marks: 60

General Instructions:
1.This Question Paper consists of two parts viz. Part A: Employability Skills and Part B: Subject Skills.
Part A: Employability Skills (10 Marks)
i.Answer any 4 questions out of the given 6 questions of 1 mark each.

ii.Answer any 3 questions out of the given 5 questions of 2 marks each.

Part B: Subject Skills (50 Marks):
iii.Answer any 10 questions out of the given 12 questions of 1 mark each.

iv.Answer any 5 questions from the given 7 questions of 2 marks each.

v.Answer any 5 questions from the given 7 questions of 3 marks each.

vi.Answer any 3 questions from the given 5 questions of 5 marks each.
2.This question paper contains 42 questions out of which 30 questions are to be answered.

3.All questions of a particular part/section must be attempted in the correct order.

4.The maximum time allowed is 3 hrs.

PART A: EMPLOYABILITY SKILLS (10 MARKS)

Answer any 4 questions out of the given 6 questions of 1 mark each: (4 X 1=4 marks)

1.   A _____ phrase is a present participle (and its modifiers) that acts like a noun.

2.   _____ is a personality disorder that's characterized by extreme perfectionism, order and neatness.

3.   _____ contains features such as slide layout and slide transition to format the slides
      A.Workspace
      B.Slide pane
      C.Taskpane
      D.Staus bar

4.   In _____ form of business, the finished product can be directly sold to the customer.

5.   Name any one green job in water conservation.

6.   _____ is the shortcut key to save a presentation.

Answer any 3 questions out of the given 5 questions of 2 marks each: (3 X 2=6 marks)

7. Explain the any two types of Verbal Phrases with the help of suitable examples.

8. What is the source of self motivation?

9. Write the steps to change the slide layout in Openoffice IMPRESS.

10. Write the steps to change the width of a column in Openoffice CALC.

11. Write any four areas where green jobs can be employed.

PART B: SUBJECT SKILLS (50 MARKS)

Answer any 10 questions out of the given 12 questions: (10 X 1=10 marks)

12. Number of rows in a relation(table) is called _____

13. Define attribute in a relation.

14. What are DDL commands ?

15. _____ constraint is used to restrict the values of an attribute within a range.

16. OOP stands for _____ .

17. _____ is a special method used to initialize the data members of a class..

18. What are webinars?

19. Predict the output of the following expression in JAVA if the initial value of x is 5.
    x=((++x)*2)+7
    a. 19
    b. 21
    c. 18
    d. 20

20. Write one advantage of a web based application.

21. Feasibility check and scope of the project is done in _____ .
    a. Design Phase
    b. Testing Phase
    c. Implementation Phase
    d. Requirement Definition Phase

22. Choose the correct sequence to be followed while buying online.
    a. Choose payment option (Make payment if not cash on delivery)
    b. Provide your details (Or login into your bank account)
    c. Select Buy option
    d. Add items in shopping cart

i. c,d,b,a
ii. b,d,c,a
iii. d,c,b,a
iv. a,c,b,d

23. Name the two access modifiers in a class in JAVA.

Answer any 5 questions out of the given 7 questions of 2 marks each: (5 X 2=10 marks)

24. Illustrate any two DML commands with the help of suitable example.

25. Arjun gave the following query. He is unable to run the query. Rectify the error(s) and write the correct query;

SELECT *,NAME ORDER BY ROLL

26. State the potential areas of Work Integrated Learning in the field of banking System

27. What are Getter methods? Give one example.

28. What are the benefits of online shopping? (any two points)

29. Rewrite the following code using **while** loop:
```
int x=100;
for(int i=2;i<=22;i=i+4)
{
jTextArea1.append("\n"+(i+x));
x=x-2;
}
```
30. Explain the design phase of Web Application Development.

Answer any 5 questions out of the given 7 questions of 3 marks each: (5 X 3=15 marks)

31. What is the difference between ALTER TABLE command and UPDATE Command? Explain with example of each.

32. Explain any three string functions in Java.

33. An education portal is being launched by a company. What are the advantages of e-learning ?

34. What precautions are to be taken while making an online transaction(three points).

35.   i)   Define arrays. Declare a float array of size 20.
         ii) Correct the error(s) in the following code:
                 Roll_no=integer.parseint(jTextfield1.gettext());

36.   What is a wrapper class? Explain with the help of a suitable example.

37. State the potential areas of Work Integrated Learning in Banking Systems.

Answer any 3 questions out of the given 5 questions of 5 marks each: (3 X 5=15 marks)

38. Consider the following and answer the questions.

    (a) Write a query to create a table **Employee with the following members:**
      empcode(char(10)), empname (char(30)), designation(char(30)),salary(float).

    (b) Write a query to add a new row to a table employee with the following information:
      ("P101", "Varun Mehra", "Engineer", 45000).

    (c) Write a query to display total salary of employees whose name starts with the letter 'S'.
    (d) Write a query to change the salary of 'Varun Mehra' as 60000.
    (e) Write a query to sort the records in ascending order of empname.

39. (a) Define Constructors . Also write two characteristics of a constructor.
    (b) Define a class book in Java with the following details.
      Data members – title, author, publisher, genre (All of them are of String data type)
                  price   - double data type.
      Member method- display() to display all the data members.

40. i) Write a JAVA program (method) to develop an application in JAVA to calculate Marks in 5
      subjects and show the percentage of Students.
    ii) Write the use of parseInt().

41. Mention any three advantages of Online reservation and two challenges faced by end user while
    booking online railway ticket.

42. What are the objectives of eGovernance ? How does eGovernance empowers the citizens?

End of the Question Paper