Roll Number			

SET   A

INDIAN SCHOOL MUSCAT
SECOND PRE - BOARD EXAMINATION
INFORMATION TECHNOLOGY (402)

CLASS X

06.03.2022

Max. Time Allowed: 1 Hr

Max. Marks: 25

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 5 and 6 are two marks questions. Attempt any one question.

4. Section B is of 12 marks and has 12 questions on Subject Specific Skills.

   a) Questions numbers 7 to 12 are one mark questions. Attempt any four questions.
   b) Questions numbers 13 to 18 are two marks questions. Attempt any four questions.

5. Section C is of 08 marks and has 03 competency-based questions.

   a) Questions numbers 19 to 21 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.

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SECTION A   **(3 + 2 = 5 marks)**

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Answer any 3 questions out of the given 4 questions. Each question is of mark.

1 x 3 = 3

Q.1	Give any one quality of a successful entrepreneur	1
Q.2	Name the term used for a false belief or opinion about something.	1
Q.3	Give any one practice / sustainable process that is being used to help preserve the environment.	1
Q.4	Give an example of large scale production of solar power in India	1

Answer any 1 question out of the given 2 questions. Each question is of 2 marks.

2 x 1 = 2

Q.5	Explain any two functions of an entrepreneur.	2
Q.6	'Reduced Inequalities' is one of the Sustainable development goals set by the UN. Give any two ways to reduce inequalities.	2

Answer any 04 questions out of the given 06 questions   1 x 4 = 4

Q.7   Name the device that converts digital signal to analog that can travel over phone lines.   1

Q.8   _____ key is an accessibility function which is designed for people who have vision impairment or cognitive disabilities.   1

Q.9   Networks in which certain computers have special dedicated tasks, providing services to other computers (in the network) are called_____networks   1

Q.10   Mention any two integer data types of a table field in database.   1

Q.11   Name the relationship in which one column of the primary key table is associated with all the columns of the associated table and vice versa.   1

Q.12   Define Reports of a database.   1

Answer any 04 questions out of the given 06 questions   2 x 4 = 8

Q.13   List any 4 advantages associated with networking.   2

Q.14   Differentiate between wired and wireless access. Give one example for each type.   2

Q.15   What do you understand by ISP with respect to web applications? Name any two connection type that home users use.   2

Q.16   How Entry Required and Default Value properties of a table field in a database are different from each other?   2

Q.17   What is Referential Integrity? Explain its two(any) purposes.   2

Q.18   Identify the columns and data types of a table: Airlines. Mention at least four columns with data type.   2

SECTION C   (2 x 4 = 8 marks)
(COMPETENCY BASED QUESTIONS)

Answer any 02 questions out of the given 03 questions

Q.19   Rahul and Amit are working on a school project assigned to them by their teacher. They have to send instant messages to each other and also do video conferencing after school hours in order to complete the project on time.   4
   a.   Suggest any 4 good instant messaging software that they can use.
   b.   Apart from computers, list 4 hardwares that Rahul and Amit need for videoconferencing.

Q.20 Rahul has purchased some stationary items from an online site. He has to make online payment for the items to complete the transaction. Help by answering his following queries.

    1. Suggest any two options that he can use to make payment of his bill on the online shopping website.   **4**
    2. Name any 2 situations where online shopping could be useful.
    3. Name any 2 popular online transaction websites.
    4. Write full form of COD in reference to online shopping.

TABLE NAME : TEACHERS

Q.21

NUMBER	NAME	AGE	SUBJECT	DATEOFJOIN	SALARY	GEN DER
1	JUGAL	34	COMPUTER	10/01/2019	12000	M
2	PRATIGYA	31	SCIENCE	24/03/2019	20000	F
3	SANDEEP	32	MATHS	12/12/2019	30000	M
4	SANGEETA	35	SCIENCE	01/07/2020	40000	F
5	SATTI	42	MATHS	05/09/2020	25000	M
6	SHYAM	50	SCIENCE	27/06/2021	30000	M
7	SHIV OM	44	COMPUTER	25/02/2021	21000	M
8	SHALAKHA	33	MATHS	31/07/2020	20000	F

4

Write SQL commands:
    a. To show all the information about IT teachers.

    b. To list the details of all the teachers who are getting salary between 20000 to 35000.

    c. To display the subject of all the teachers whose age is more than 40 years.

    d. To display the list of names of all the teachers in alphabetical order.

End of the Question Paper