

15

Pre Board
Class XII
COMPUTER SCIENCE (Code: 083)

Maximum Marks: 35

Time: 2 hours

General Instructions

- The question paper is divided into 3 sections – A, B and C
- Section A, consists of 7 questions (1-7). Each question carries 2 marks.
- Section B, consists of 3 questions (8-10). Each question carries 3 marks.
- Section C, consists of 3 questions (11-13). Each question carries 4 marks.
- Internal choices have been given for question numbers 7, 8 and 12.

Section – A

1. Expand the following: 2
FTP, HTTP, www, VoIP
 2. What do you understand by Push and Pop functions in stacks? 2
 3. What is the importance of Primary Key in SQL? 2
 4. What is the use of like operator in SQL 2
 5. What is Modem? 2
 6. Write the full forms of DDL and DML. Write any two commands of DML in SQL. 2
- OR
- Give two properties of Stacks?
7. What is a Web browser? 2

Section – B

8. Ram has to create a database named Census in MYSQL. 3
She now needs to create a table named AREA in the database to store the records of various cities across the globe. The table AREA has the following structure:

Table: AREA

FIELD NAME	DATA TYPE	REMARKS
CITYCODE	CHAR (5)	Primary Key
CITYNAME	CHAR (30)	
SIZE	INTEGER	
AVGTEMP	INTEGER	
POLLUTIONRATE	INTEGER	
POPULATION	INTEGER	

Use SQL commands to help her in completing the task.

9. Write a program in Python to create a Stack containing list of 10 numbers. Create user defined functions to Push and Pop elements within the stack 3
- OR
- What is difference between LAN, WAN and MAN?
10. Explain different types of Switching Techniques? 3

Section – C

11. What is network topology? What are the 3 main topologies? 4
12. Consider the following tables Product. Write SQL commands for the statement (i) to (iv) 4

Table: PRODUCT

P_ID	Product Name	Manufacturer	Price
TP01	TalcomPowder	LAK	40
FW05	Face Wash	ABC	45
BS01	Bath Soap	ABC	55
SH06	Shampoo	XYZ	120
FW12	Face Wash	XYZ	95

- (i). To display the details of those Clients whose Manufacturer is LAK.
- (ii). To display the details of Products whose Price is in the range of 50 to 100(Both values included).
- (iii). To increase the Price of all Products by 10
- (iv). To display the maximum and minimum price of product.
13. Consider the following table and answer the queries given below 4

Table: STORE

ItemNo	ItemName	Scode	Quantity
2005	Sharpener Classic	23	60
2003	Ball Pen 0.25	22	50
2002	Get Pen Premium	21	150
2006	Get Pen Classic	21	250
2001	Eraser Small	22	220
2004	Eraser Big	22	110
2009	Ball Pen 0.5	21	180

- a) Identify the attribute best suitable to be declared as a primary key
- b) Insert the following data into the attributes ItemNo, ItemName, SCode and quantity respectively in the given table STORE.
ItemNo = 2010, ItemName = "Note Book", Scode = 25, quantity = 200
- c) select max(quantity) from STORE
- d) select count(distinct Scode) from STORE