



Name : .....  
Roll No. : .....  
Invigilator's Signature : .....

**CS/B.TECH (APM)/SEM-7/APM-701/2010-11**

**2010-11**  
**INFORMATION TECHNOLOGY**  
**IN APPAREL INDUSTRY**

Time Allotted : 3 Hours

Full Marks : 70

*The figures in the margin indicate full marks.*  
*Candidates are required to give their answers in their own words*  
*as far as practicable.*

**GROUP - A**  
**( Objective Type Questions )**

1. Choose the correct alternatives for the following :  $10 \times 1 = 10$ 
  - i) 'MICR' stands for
    - a) Magnetic Ink Character Recognition
    - b) Magnetic Input Character Recognition
    - c) Methodical Input Character Retrieval
    - d) Manual Input Character Retrieval.
  - ii) SRAM is an example of Primary Memory.
    - a) True
    - b) False.
  - iii) Formation of a Database structure can be executed through
    - a) DML
    - b) DDL
    - c) Both of these
    - d) None of these.



- iv) Write the full forms of HTML or OLAP.
- v) SQL stands for
- a) Statistical Query Language
  - b) Soft Query Language
  - c) Sequential Query Language
  - d) Standard Query Language.
- vi) BCD represents
- a) Binary Coded Digit
  - b) Binary Coded Decimal
  - c) Basic Characteristics of Diodes
  - d) Basic Cyber Data.
- vii) Adobe Photoshop is an example of
- a) System Software
  - b) Programming Software
  - c) Application Software
  - d) None of these.
- viii) ';' (semicolon) sign in C Language represents
- a) End of a Programme
  - b) End of a Loop
  - c) End of a Statement
  - d) None of these.
- ix) In the website address 'www.fibre2fashion.com' the middle part (i.e 'fibre2fashion') represents
- a) Domain name
  - b) Server
  - c) Type of the Website
  - d) None of these.
- x) 'Tuple' in case of RDBMS represents
- a) Relational Key
  - b) Columns
  - c) Rows
  - d) Primary Key.



**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following.

$3 \times 5 = 15$

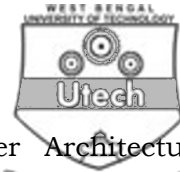
2. Execute the following conversions :  $2 \times 2 \frac{1}{2}$
- a)  $(134)_{10} = (?)_2$
- b)  $(11001)_2 = (?)_6$
3. Develop a programme in C or C++ to calculate Labor Cost of Garment Washing. 5
4. What do you mean by 'Union', 'Intersection' & 'Difference' and 'Cartesian Product' operation in case of RDBMS ? Explain with a suitable example. 5
5. What are the different types of Programming Languages ? Mention the sequential steps involved in developing a Programme. 2 + 3
6. What do you mean by Primary Memory and Secondary Memory ? Mention the significant differences between these two. 2 + 3
7. Write Short Notes on  $2 \times 2 \frac{1}{2}$
- a) Virtual Reality
- b) GIS.

**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* of the following.  $3 \times 15 = 45$

8. What is a Database ? Explain different types of Database Models with suitable examples. 3 + 12



9. Draw a neat block diagram of Computer Architecture. Mention the characteristics of different types of Digital Computers. Write short notes about any 3 modern Input devices. 3 + 6 + 6
10. What do you mean by Digital data ? Explain different parameters of Digital data. Briefly mention different characteristics of Data Transmission. 3 + 6 + 6
11. What do you mean by Data Communication System ? Illustrate the basic characteristics of Analog & Digital Signal. Draw a complete data communication block diagram. 3 + 8 + 4
12. What do you mean by Internet & Intranet ? Write short notes on a) World Wide Web and b) OLAP. 5 + 5 + 5
13. What are the basic characteristics of a Multimedia application ? Mention different tools of Multimedia. Mention some special applications of Multimedia in Apparel Industry. 4 + 6 + 5

OR

Explain any method of Incentive Calculation for in the workers Apparel Industry. Develop a programme in C Language for incentive calculation based upon the method mentioned by you. 5 + 10

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