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BASDPC 152

**Credit Based Second Semester B.A./B.Sc.
Degree Examination, September 2022
(Common to all Batches)
DATA PROCESSING**

Paper – II : Fundamentals of Computers and Office Automation – II

Time : 3 Hours

Max. Marks : 80

PART – A

1. Answer **any ten** from the following : **(10×2=20)**
- a) Define Algorithm and Flowchart.
 - b) Define an Information System.
 - c) Define Protocol. Name the protocol which is used for internet.
 - d) What is the difference between internet and WWW ?
 - e) Define Schema and Instances.
 - f) List the elements of Multimedia.
 - g) What do you understand by the term 'Computer Security' ?
 - h) Define Database.
 - i) Give the difference between transition and animation.
 - j) What is a Bridge ?
 - k) Define a Data dictionary.
 - l) Name 2 video editing software.

PART – B

Answer **one full** question from **each** Unit.

Unit – 1

2. a) Write a short note on Flowchart. **(4+5+6)**
- b) Explain the program development Life Cycle in detail.
 - c) Explain the characteristics of Information System.
3. a) Design a flow chart to find the sum of first 100 integers. **(4+5+6)**
- b) Explain Data, Information and Knowledge with example.
 - c) What is CBIS ? Explain the components of CBIS in detail.

P.T.O.

**Unit – 2**

4. a) Explain the importance of networking. **(5+5+5)**
b) Explain the features of BUS topology with a neat diagram.
c) Explain any 5 features of e-mail.
5. a) Describe briefly 7 layers of the OSI model. **(5+5+5)**
b) Explain the features of RING topology with a neat diagram.
c) What is the function of TCP in TCP/IP protocol.

Unit – 3

6. a) What is DBA ? What are the functions of DBA ? **(5+5+5)**
b) Explain how the Multimedia benefits in education.
c) Explain the properties of virus.
7. a) Explain the drawbacks of File system. **(5+5+5)**
b) Explain the characteristics of Multimedia system.
c) What are Trojan Horses ? Explain.

Unit – 4

8. a) Define the terms **(6+4+5)**
i) Data ii) Table iii) Field
iv) Record v) Primary Key vi) Relational database.
b) Explain the features of MS PowerPoint.
c) How do you get a connection to internet ? Explain.
9. a) Explain the components of MS PowerPoint screen. **(5+5+5)**
b) Explain any six features of MS Access.
c) How do you manage a network connection ? Explain.
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