

Faculty of Science
B.Sc (Data Science) I-Year, CBCS –I Semester
Backlog Examinations –June/July2022
PAPER: Fundamentals of Information Technology

Time: 3 Hours

Max Marks: 80

Section-A

I. Answer any *eight* of the following (8x4=32 Marks)

1. Define Data. Specify the Types of Data.
2. Write the different representations of Numeric Data.
3. Specify various Input Units of a Computer.
4. Which Physical Devices are used as Storage Cells?
5. How to interconnect CPU with Memory?
6. What is Archival Store?
7. What is LAN? Write the applications of LAN.
8. Define Internet. Write the future of Internet in short.
9. Define Operating system. Write its function.
10. What is a Software Process?
11. Specify the Software problem in terms of Quality.
12. Specify the Coding Standards.

Section-B

II. Answer the following questions (4x12=48 Marks)

13. (a) Describe the Simple Model of a Computer with a neat diagram.
(OR)
(b) Describe the representation of Characters in Computers.
14. (a) Describe different types of Memory used in a Computer.
(OR)
(b) Explain the Structure of a CPU.
15. (a) Describe the features of various Output devices used in Computer.
(OR)
(b) What is a Programming Language? Describe the Classification of Programming Languages.
- 16.(a) What is Structured Programming? Describe some programming practices.
(OR)
(b) Describe any Software Development Process Model.

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Section-AI. Answer any *eight* of the following questions (8x4=32 Marks)

1. Define Data and Information.
2. What is a Desktop Computer?
3. Write different Input Units for a Computer.
4. What are Storage Cells? Explain.
5. Specify different Secondary Storage Devices.
6. What are Embedded Processors?
7. How to name computers connected to Internet?
8. Define Programming Language. Name their classification.
9. Define Operating System. Give some examples.
10. What is Structured Programming?
11. What is a Software Project?
12. Specify the Coding Standards.

Section-B

II. Answer the following questions (4x12=48 Marks)

- 13.(a) Explain the Data Processing using Computer.
(OR)
(b) Describe various Error Detection Codes.
- 14.(a) Describe in detail about RAM and ROM.
(OR)
(b) What is CPU? Write its function. Explain the Specifications of a CPU.
- 15.(a) Describe LAN, and WAN. Write their Applications.
(OR)
(b) Write the Input/ Output devices used in a Computer. Describe their functionality.
- 16.(a) Explain in detail about the problems of Software.
(OR)
(b) What is a Software Process? Describe the Component Software Processes.
