

Roll No.

Exam Code : M-24

Subject Code—61393

B. Sc. EXAMINATION

(Batch 2019 Onwards)

(Main & Re-appear)

(Second Semester)

Computer Applications

CCal.-204

Information Technology

Time : 3 Hours

Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting *one* question from each Unit. Q. No. 1 is compulsory. All questions carry equal marks.

(Compulsory Question)

1. (a) Define Information Technology.
- (b) What is SMPS ?

(1-19-35-0524) J-61393

P.T.O.

- (c) What do you mean by Authentication ?
- (d) What is Digital Signature ?
- (e) What is Global Positioning System ?
- (f) List the different services provided by ISP.
- (g) What is WWW ?
- (h) Write down the name of two popular search engines. 8×2=16

Unit I

- 2. (a) Explain the different types of computers and their functions. 10
- (b) Write a short note on the micro-processor. 6
- 3. (a) Explain different types of computer ports and their functions. 10
- (b) What is motherboard ? State its importance in a computer system. 6

Unit II

- 4. (a) Discuss the concept of Data mining with its characteristics. Also write down the advantages and disadvantages of data mining. 8
- (b) How does Decision Support System help in taking the right decision ? Explain with an example. 8
- 5. (a) Define On-Line Analytical Processing and explain its process in decision-making. 8
- (b) What is a firewall ? Describe, how the firewall can be used to protect the network ? 8

Unit III

- 6. (a) What is e-Commerce ? How does it differ from traditional commerce ? What are the different types of e-Commerce ? 10
- (b) Discuss the significance of MIDI and list its various components. 6

(1-19,36-0524) J-61393

3

P.T.O.

7. (a) Define data compression and its types. Explain the applications of data compression in various areas. 10
- (b) What is Mobile Communication ? Write down its applications. 6

Unit IV

8. (a) What is meant by transmission media ? Discuss the types and examples of transmission media. 10
- (b) Define the internet. What protocol suit does it follow ? 6
9. (a) What is Switching ? Explain the different types of switching techniques. 10
- (b) What are the advantages and disadvantages of using a wireless network ? Discuss in detail. 6