BBA 181105

Roll No. of candidate ☐☐☐☐☐☐☐☐☐☐

25/37   **2022**

B.B.A 1st Semester End-Term Examination

COMPUTER FUNDAMENTALS

Full Marks – 70   Time – Three hours

The figures in the margin indicate full marks for the questions.

Question No.1 is compulsory and answer any *four* from the rest of the questions.

1. Fill in the blanks.   (10×1=10)

    (a) The technology used in manufacturing 3rd Gen computers was (Transistors/ICs)

    (b) Hard disk drive is (primary/secondary) memory.

    (c) A dot matrix printer is a (impact/non-impact) printer.

    (d) Windows, Linux, Android are all popular (operating system/Device drivers)

    (e) The database model that supports one to many mapping is (Hierarchical/Network)

    (f) (Coaxial/Optical fibre) cable does not face any electromagnetic interference.

    (g) Symmetric encryption uses (one/two) key(s) for encoding.

    (h) Bar code reader is a (input/output) device.

    (i) Our smart phone is a (Mini/Micro) computer.

    (j) A computer game is a (system/application) program.

2. (a) What are the advantages of a star topology over mesh topology?   (7)

    (b) How are mini computers different from microcomputers?   (8)

3. (a) "High levels languages have made programming easier". Compare the present generation programming languages with the previous generation languages and comment on the statement.   (8)

    (b) "Fifth generation computers are based on concept of Artificial Intelligence". What are the various areas of applications of AI?   (7)

[Turn over

4. (a) Explain the different wireless connecting media. (7)

(b) Explain in details, the life cycle of data in a financial institution. (8)

5. (a) Why is the relational database model preferred over other database models? (8)

(b) Explain the function of the physical and session layer in the OSI model. (7)

6. (a) Explain how E-Commerce has helped small business and ancillary businesses grow. (8)

(b) Explain how Health care industry can be made more efficient with the introduction of IT. (7)

7. Write short notes on (3 × 5 = 15)

(a) Differences between interpreter and compiler

(b) Optical character recognition and its uses

(c) Simplex and half duplex data transmission