2021

INFORMATION TECHNOLOGY AND ITS APPLICATION IN BUSINESS — GENERAL

First Paper

(C-21-G)

Full Marks : 50

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

1. (a) What is ASCII?   2

    Or,

    How do you define Binary Number System?   2

    (b) What is Internet Protocol?   2

    (c) Write two advantages of Internet.   2

    Or,

    What is HTML?   2

    (d) What is Virus?   2

    Or,

    What is Hacking?   2

    (e) Define DBMS.   2

Group - B

2. Find out the decimal equivalent of the following numbers :

    (a) $(1011011)_2 = (?)_{10}$

    (b) $(2AB)_{16} = (?)_{10}$ 2+2

    Or,

    Add the following numbers :

    $(11011)_2 + (10101)_2 = (?)_2$

    $(2312)_8 + (2422)_8 = (?)_8$ 2+2

Please Turn Over

3. (a) Why Firewall is important?

   (b) Define the term 'Encryption'. 2+2

Group - C

4. (a) Define Primary Key and Secondary Key.

   (b) Discuss the different types of data processing systems. 4+4

5. (a) Discuss the different types of softwares.

   (b) Mention two differences between RAM and ROM. 6+2

      Or,

   (a) Define Compiler and Assembler.

   (b) Explain the different parts of a digital computer with a simple block diagram. 2+6

6. Discuss in brief the different types of Information Systems. 8

      Or,

   (a) Explain the concept of data.

   (b) What is Smart Card?

   (c) Define the term KMS.

   (d) State two qualities of Information. 2+2+2+2

7. (a) What do you mean by Star Topology?

   (b) What is serial mode of data transmission?

   (c) Define satellite communication.

   (d) Explain the simplex mode of data transmission. 2+2+2+2

      Or,

Write short notes on : 2×4

   (a) Switch

   (b) Ring Topology

   (c) Gateway

   (d) Router.

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