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.