

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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