2024

INFORMATION TECHNOLOGY AND ITS APPLICATION IN BUSINESS — HONOURS

Paper : SEC-2

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. Answer *any ten* questions : 2×10

   (a) What is Free and Open Source Software?

   (b) State any two applications of Blockchain in Cybersecurity.

   (c) Define the term Machine Learning.

   (d) What is meant by Cloud Computing?

   (e) State the meaning of Virtual Memory in computer operating system.

   (f) Provide any four examples of popular ERP systems used by organisations.

   (g) What do you mean by Internet Protocol Address?

   (h) Mention any two features of OLAP.

   (i) What is CAPTCHA codes?

   (j) As per the Information Technology Act, what is meant by 'Electronic Signature'?

   (k) Define Cyber Espionage.

   (l) Give any two applications of Edge Computing.

   (m) Provide two examples of system software.

   (n) What is Green Computing?

   (o) Random Access Memory (RAM) is _____ in nature (Fill in the blank).

Group - B

Answer *any four* questions. 5×4

2. In what ways do retailers use RFID technology for inventory management? Briefly explain with appropriate examples.

3. What are the privacy and security challenges associated with the increasing amount of sensitive information in Big Data?

Please Turn Over

4. Briefly discuss the concept of hacking in the context of cybercrime.

5. How can excessive computer and internet use negatively impact on individuals?

6. Write a short note on Data Mining.

7. Briefly discuss the practical applications of IoT.

Group - C

Answer *any one* question. 10×1

8. Briefly explain the basic steps involved in the CPU operation cycle.

9. Describe applications of computer in the context of Business and Finance.

_____