

2025

**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 do you mean by the term 'Information' in the IT Act, 2000?
- (b) What is clustering in Data Mining?
- (c) Mention any two applications of Quantum Computing.
- (d) What do you mean by an 'Expert System'?
- (e) What is Wireless Sensor Network (WSN)?
- (f) Define Desktop Virtualisation.
- (g) What are the key characteristics that define Big Data?
- (h) What is Service Oriented Architecture (SOA)? Give example.
- (i) Define web browser with an example.
- (j) What is packet switching technology?
- (k) What is spoofing attack on computers?
- (l) Mention any two information rights of an internet user.
- (m) Which types of information can be considered as 'electronic record'?
- (n) What is a cybercrime?
- (o) Write a complete URL of any popular website along with mentioning of its different segment.

Group - B

Answer **any four** questions.

5×4

- 2. Explain the term 'Denial-of Service' (DoS) in the context of cybercrime.
- 3. How does cloud computing differ from edge computing?

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4. Briefly explain the significance of AI-driven chatbots in customer support.
5. Explain the key features of an operating system.
6. How can machine learning be used in case of financial services?
7. Define ERP. Explain some of its practical uses.

Group - C

Answer *any one* question.

8. How do CAPTCHA codes enhance online security and what role do they play in user authentication? 5+5
 9. What do you mean by electronic governance? Briefly discuss its features. 3+7
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