Roll No:
Date: __/__/____

St. Claret College

Autonomous, Bengaluru

UG END SEMESTER EXAMINATION-MAY 2026
BCOM: II SEMESTER
BC 2625: ADVANCED COMPUTER APPLICATIONS

13

TIME: 3 hours. **MAX. MARKS: 80**

This paper contains TWO printed pages and FOUR parts

Instructions:
1. **Verify and ensure that the question paper is completely printed.**
2. **Any discrepancies or questions about the exam paper must be reported to the COE within 1 hour after the examination.**
3. **Students must check the course title and course code before answering the questions.**

PART-A

Answer ALL questions. Each answer carries ONE mark. **[10 x 1 = 10]**

1. Goal Seek is used to
   a) Sort data b) Find input value for desired output
   c) Create charts d) Filter data
2. NPV stands for
   a) Net Present Value b) New Profit Value c) Net Price Value d) None
3. Which of the following is an e-commerce model?
   a) B2B b) HTTP c) LAN d) CPU
4. IoT refers to
   a) Internet of Things b) Input of Technology
   c) Integration of Tools c) None
5. Which cloud model is owned by a single organization?
   a) Public b) Private c) Hybrid d) Community
6. SaaS stands for
   a) Software as a Service b) Storage as a Service
   c) System as a Software d) None
7. HTML is used for
   a) Programming b) Web page design c) Database d) Networking
8. <a> tag is used for
   a) Image b) Link c) Table d) List
9. Malware means
   a) Safe software b) Harmful software c) Hardware d) Network
10. IT Act 2000 deals with
    a) Banking b) Cyber laws c) Education d) Marketing

PART-B

Answer any THREE questions. Each answer carries EIGHT marks **[3 x 8 = 24]**

11. Explain Excel data analysis tools such as sorting, subtotals, and validation.
12. Discuss financial functions in Excel (PV, NPV, IRR, PMT) with examples.
13. Explain the concept of e-commerce and its types.
14. Describe different types of cloud computing models with examples.
15. Explain HTML tags, attributes, and types of lists with examples.

PART-C

Answer any THREE questions. Each answer carries TWELVE marks. **[3 x 12 = 36]**

16. Explain Goal Seek, Solver, Scenario Manager, and Data Table in Excel with examples.
17. Discuss statistical tools in Excel such as Histogram, Correlation, Regression, t-test, and ANOVA.
18. Explain the role of social media and online communities in e-commerce.
19. Discuss cloud computing service models (SaaS, PaaS, IaaS) and challenges in cloud adoption.
20. Explain IT ethics, legal issues, data privacy, and cybersecurity threats.

PART-D

Answer the following compulsory question. It carries TEN marks. **[1 x 10 = 10]**

21. A retail company plans to expand its business by launching an online shopping platform. The company wants to use Excel to analyze sales data, track inventory levels, and forecast future demand. To ensure smooth operations and handle high customer traffic, they plan to host their system on cloud infrastructure. The company is also developing a website where customers can browse products, place orders, and make online payments. Since customer information such as payment details and personal data will be collected, the company must ensure strong cybersecurity measures and comply with legal regulations.

Answer the following:

a) Suggest suitable Excel tools for financial analysis. [2]
b) Recommend a cloud model and justify your answer. [3]
c) Identify key e-commerce components required. [3]
d) Explain ethical and legal considerations under IT laws. [2]