

MODEL PAPER – 1

B.Com (Computer Applications)

Paper: Foundations of Computing & Digital Business

Time: 3 Hours | Max Marks: 80

✓ SECTION – A (Short Answer Questions)

Answer any EIGHT questions ($8 \times 4 = 32$)

1. Define **Digital Transformation in Business**
2. Explain the **role of IT in Finance and Marketing**
3. What are the **components of a computer system**
4. Define **RAM and ROM**
5. Explain **Input and Output Devices with examples**
6. What is **Binary System**
7. Define **Cloud Storage**
8. What is a **Database (Table, Record, Field)**
9. Define **Operating System and its functions**
10. What is **ERP**
11. Explain **LAN and WAN**
12. What is **Cyber Security**

✓ SECTION – B (Essay Type Questions)

Answer ALL questions ($4 \times 12 = 48$)

13. (a) Explain Digital Transformation and its impact on business
OR
(b) Explain Hardware and Software components of a computer system
14. (a) Explain Binary Logic (AND, OR, NOT) with examples
OR
(b) Discuss Types of Storage devices and their applications
15. (a) Explain Spreadsheet functions (SUM, IF, VLOOKUP) with examples
OR
(b) Discuss ERP and CRM in business applications
16. (a) Explain Networking concepts (LAN, WAN, Topologies)
OR
(b) Explain Cloud Computing and Cyber Security concepts

MODEL PAPER – 2

B.Com (Computer Applications)
Foundations of Computing & Digital Business
Time: 3 Hours | Max Marks: 80

✓ **SECTION – A (Answer any 8) ($8 \times 4 = 32$)**

1. Explain **Digital Transformation**
2. What is the **role of IT in HR and SCM**
3. Define **CPU and its components**
4. What are **Input and Output Devices**
5. Define **Bits and Bytes**
6. Explain **Binary Logic gates (AND, OR, NOT)**
7. What is **Cloud Storage vs Local Storage**
8. Define **File and Folder**
9. What is **Operating System**
10. Define **SaaS model**
11. Explain **LAN and WLAN**
12. What is **Phishing**

✓ **SECTION – B (Answer ALL) ($4 \times 12 = 48$)**

13. (a) Explain Strategic Role of IT in Business Functional Areas
OR
(b) Discuss Ethical and Social issues in Digital Business (Privacy, Digital Divide)
14. (a) Explain Types of Storage Devices (RAM, ROM, SSD, HDD)
OR
(b) Discuss Database concepts (Table, Field, Record) with examples
15. (a) Explain Spreadsheet tools and functions (SUM, IF, VLOOKUP)
OR
(b) Discuss ERP and CRM systems with benefits
16. (a) Explain Network Topologies and Devices (Router, Switch, Modem)
OR
(b) Explain Cloud Computing models (SaaS, PaaS, IaaS) and Cyber Security threats

MODEL PAPER – 3

B.Com (Computer Applications)
Foundations of Computing & Digital Business
Time: 3 Hours | Max Marks: 80

✓ **SECTION – A (Answer any 8) ($8 \times 4 = 32$)**

1. Define **Digital Transformation in Business**
2. Explain **Hardware and Software**
3. What are **IoT Devices**
4. Define **Data Representation**
5. What is **Binary System**
6. Explain **Cloud Computing**
7. Define **Operating System types**
8. What is **Word Processing**
9. Define **Client-Server Architecture**
10. What is **E-Commerce**
11. Explain **Bandwidth (Mbps, Gbps)**
12. What is **Malware**

✓ **SECTION – B (Answer ALL) ($4 \times 12 = 48$)**

13. (a) Explain Computer System components with diagram

OR

- (b) Discuss Emerging Technologies (AI, ML, IoT, Blockchain)

14. (a) Explain Binary Logic with suitable examples

OR

- (b) Discuss Cloud vs Local Storage with business applications

15. (a) Explain Word Processing and Spreadsheet applications in business

OR

- (b) Discuss SaaS and Enterprise Software (ERP, DBMS)

16. (a) Explain Internet concepts (IP, DNS, URL, Browsers)

OR

- (b) Discuss Cyber Security measures and Data Privacy Laws (GDPR, DPDPA)

MODEL PAPER – 4

B.Com (Computer Applications)
Foundations of Computing & Digital Business
Time: 3 Hours | Max Marks: 80

✓ SECTION – A (Answer any 8) ($8 \times 4 = 32$)

1. Define **Digital Transformation** and its importance
2. Explain **Role of IT in Finance and Marketing**
3. What is **CPU** and its functions
4. Define **Input Devices** with examples
5. Explain **Bits, Bytes and Data Representation**
6. What is **Binary Logic (AND, OR, NOT)**
7. Define **Cloud Storage**
8. What is **File System**
9. Explain **Utility Software**
10. What is **ERP System**
11. Define **Network Topology**
12. What is **Firewall**

✓ SECTION – B (Answer ALL) ($4 \times 12 = 48$)

13. (a) Explain Components of Computer System (Hardware & Software)

OR

- (b) Discuss Ethical and Social Issues (Digital Privacy, Digital Divide, IP Rights)

14. (a) Explain Types of Storage Devices (RAM, ROM, SSD, HDD, Flash)

OR

- (b) Discuss File Organization and Database Concepts (Tables, Fields, Records)

15. (a) Explain Spreadsheet Applications and Functions (SUM, IF, VLOOKUP, Pivot)

OR

- (b) Discuss Enterprise Software (ERP, CRM, DBMS)

16. (a) Explain Networking Concepts (LAN, WAN, WLAN, Devices)

OR

- (b) Explain Cyber Security threats and protection measure

MODEL PAPER – 5

B.Com (Computer Applications) **Foundations of Computing & Digital Business** **Time: 3 Hours | Max Marks: 80**

✓ SECTION – A (Answer any 8) ($8 \times 4 = 32$)

1. What is Digital Transformation
2. Explain Emerging Technologies (AI, ML, IoT)
3. Define RAM and ROM
4. What are Output Devices
5. Explain Binary Number System
6. What is Cloud vs Local Storage
7. Define Operating System types
8. What is SaaS
9. Explain Client-Server Architecture
10. What is E-Commerce
11. Define Bandwidth (Mbps, Gbps)
12. What is Phishing attack

✓ SECTION – B (Answer ALL) ($4 \times 12 = 48$)

13. (a) Explain Digital Transformation and Role of IT in Business Functions

OR

- (b) Discuss Hardware components and Input/Output devices

14. (a) Explain Binary Logic with examples

OR

- (b) Discuss Cloud Storage and its business applications

15. (a) Explain Word Processing, Spreadsheet and Presentation tools

OR

- (b) Discuss ERP, CRM and SaaS models

16. (a) Explain Internet concepts (IP, DNS, URL, Browsers)

OR

- (b) Discuss Cyber Security, Data Backup and Privacy Laws (GDPR, DPDPA)

UNIT WISE IMPORTANT QUESTIONS

■ UNIT-I (C Basics)

- Explain Structure of C Program ★ ★ ★
- Define Algorithm & Flowchart with examples ★ ★ ★
- Explain Data Types in C ★ ★
- Discuss Operators in C (all types) ★ ★ ★
- Explain Type Conversion ★ ★
- Write about Preprocessors in C ★ ★
- Define Variables, Scope & Lifetime ★ ★
- Explain Formatted I/O functions (printf, scanf) ★ ★ ★

■ UNIT-II (Control Statements & Loops)

- Explain if, if-else, nested if ★ ★ ★
- Write about switch statement ★ ★
- Explain for, while, do-while loops ★ ★ ★
- Differentiate while vs do-while ★ ★
- Explain break and continue statements ★ ★ ★
- Write short note on goto statement ★

■ UNIT-III (Functions, Arrays, Strings)

- Explain Functions in C ★ ★ ★
- Call by Value vs Reference ★ ★ ★
- Explain Recursive Functions ★ ★
- Write about 1D and 2D Arrays ★ ★ ★
- Explain String functions (strlen, strcpy, etc.) ★ ★ ★
- Difference between arrays and strings ★ ★

■ UNIT-IV (Pointers, Structures)

- Explain Pointers with examples ★ ★ ★
- Pointer Arithmetic ★ ★
- Explain Structures in C ★ ★ ★
- Difference between Structure and Union ★ ★ ★

- Array of Structures ★★
- Features of pointers ★★

■ UNIT-V (OOP with C++)

- Explain OOP Concepts (Encapsulation, Inheritance, Polymorphism) ★★★★★
- Difference between C and C++ ★★★★★
- Explain Class and Object ★★★★★
- Write short note on Data Members & Member Functions ★★
- Advantages of OOP ★★



Smart Study
— PLUS —