

Code: 863/BL

FACULTY OF SCIENCE
B.A./B.Sc., V-Semester (Backlog) Examinations, July/August-2022
Computer Science
Paper-Generic Elective
Information Technologies

Time: 3 hours

Max Marks: 80

8x4=32M

Section-A (Short Answer Questions)

Note: Answer any **Eight** of the following questions in not exceeding 20 lines each.

1. Explain the various services of Internet to the society.
2. Explain the need for Information storage and processing.
3. What is the role of Information Technology in Educational field?
4. Differentiate System Software and application software with examples.
5. List out various types of operating systems?
6. What is memory management?
7. What guidelines should be followed while drawing a flowchart?
8. Discuss the three schema architecture.
9. Explain the data base models.
10. Explain Data Switching.
11. What is Grid Computing?
12. Explain Distributed Networking.

Section-B (Essay Answer Questions)

4x12=48M

Note: Answer the following questions in not exceeding 4 pages each.

13. a) Define e-Commerce and explain the types of e-Commerce.
(OR)
b) Explain about the benefits of EDI.
14. a) Discuss the various types of interfaces in the operating system.
(OR)
b) Explain how memory protection and process allocation is done by an operating system.
15. a) Explain the advantages and disadvantages of File Oriented Approach.
(OR)
b) Discuss the various database activities with SQL syntax.
16. a) Explain the various types of networking topologies with neat diagrams.
(OR)
b) Throw light on emerging trends in computer technologies.



Code: 150/BL

FACULTY OF SCIENCE & SOCIAL SCIENCES
B.A./B.Sc., V-Semester (Backlog) Examinations, December-2023
COMPUTER SCIENCE/COMPUTER APPLICATIONS
(2016, 2017 & 2018 Batches)
Generic Elective-I
Information Technologies-I

Time: 2 Hours

Max. Marks: 40

Section - A (Short Answer Questions)

2 x 5=10M

Note: Answer any **Two** of the following questions not exceeding 20 lines each.

- | | |
|--------------------------------|----|
| 1. Memory Cards | 5M |
| 2. Classification of Computers | 5M |
| 3. File Management | 5M |
| 4. Windows OS | 5M |

Section - B (Essay Answer Questions)

2 x 15=30M

Note: Answer the following questions not exceeding 4 pages each.

- | | |
|--|-----|
| 5. a) Define input and output devices and their types in detail. | 15M |
| (OR) | |
| b) Define computer and characteristics and applications of computer. | 15M |
| 6. a) Define software and explain about types of software. | 15M |
| (OR) | |
| b) Importance of operating system and its types. | 15M |



FACULTY OF MANAGEMENT
B.B.A., III-Semester (Regular-Backlog) Examinations, January-2023
Information Technology

Max Marks: 60

Time: 3 hours

5x2=10M

Section-A (Short Answer Questions)

Note: Answer any **Five** of the following questions in not exceeding 20 lines each.

1. OSI Model
2. Database
3. Information Vs. Knowledge
4. Compression issue in Multimedia
5. M-Commerce
6. WWW
7. Intranet
8. RFID

Section-B (Essay Answer Questions)

5x10=50M

Note: Answer the following questions in not exceeding 4 pages each.

9. a) Define Software. Explain the various types of software.

(OR)

- b) "Network Topology is the arrangement of the elements of a Communication Network". Discuss

10. a) What is Executive Information System? What are its features and objectives? Why managers use it?

(OR)

- b) What is DBMS? Explain its history, types and application.

11. a) Define Multimedia. Discuss the various types of multimedia.

(OR)

- b) What are the hardware components of multimedia system? Bring out the uses of multimedia applications.

12. a) What do you understand by E-Commerce? Explain its types and benefits.

(OR)

- b) What is Social Networking? What are the advantages and disadvantages of social networking?

13. a) What do you mean by Spreadsheet? Explain the application areas of spreadsheets.

(OR)

- b) What is database in MS-Office? How to create a database in Microsoft Office?



FACULTY OF MANAGEMENT
B.B.A., III-Semester (Regular-Backlog) Examinations, January-2023
Information Technology

Time: 3 hours

Max Marks: 60

Section-A (Short Answer Questions)

5x2=10M

Note: Answer any **Five** of the following questions in not exceeding 20 lines each.

1. OSI Model
2. Database
3. Information Vs. Knowledge
4. Compression issue in Multimedia,
5. M-Commerce
6. WWW
7. Intranet
8. RFID

Section-B (Essay Answer Questions)

5x10=50M

Note: Answer the following questions in not exceeding 4 pages each.

9. a) Define Software. Explain the various types of software.

(OR)

b) "Network Topology is the arrangement of the elements of a Communication Network". Discuss
10. a) What is Executive Information System? What are its features and objectives? Why managers use it?

(OR)

b) What is DBMS? Explain its history, types and application.
11. a) Define Multimedia. Discuss the various types of multimedia.

(OR)

b) What are the hardware components of multimedia system? Bring out the uses of multimedia applications.
12. a) What do you understand by E-Commerce? Explain its types and benefits.

(OR)

b) What is Social Networking? What are the advantages and disadvantages of social networking?
13. a) What do you mean by Spreadsheet? Explain the application areas of spreadsheets.

(OR)

b) What is database in MS-Office? How to create a database in Microsoft Office?



FACULTY OF SOCIAL SCIENCES
B.A., III-Semester (Backlog) Examinations, December-2023
(2016, 2017 & 2018 Batches)
COMPUTER APPLICATIONS
Paper-III
Relational Database Management Systems

Time: 3 hours

Max Marks: 80

Section-A (Short Answer Questions)**5x4=20M****Note:** Answer any **Five** of the following questions in not exceeding 20 lines each.

1. What are the limitations of Traditional File-Based Systems? 4M
2. What are the various Integrity Constraints? 4M
3. Discuss the Multi Table Queries with example. 4M
4. What are the ISO SQL Data types supported in SQL? 4M
5. What are the advantages and disadvantages of Database Triggers? 4M
6. Distinguish between the Weak Entity Type and the Strong Entity Type. 4M
7. What is the need for Concurrency Control? 4M
8. What is Thomas's write rule and how does this affect the basic time stamp ordering protocol? 4M

Section-B (Essay Answer Questions)**4x15=60M****Note:** Answer the following questions in not exceeding 4 pages each.

9. a) What is a Data Model? Discuss the main types of data model. 15M

(OR)

 b) Who are the various persons involved in Database Environment? Explain their roles. 15M
10. a) Explain in detail the Combining Result Tables with an example. 15M

(OR)

 b) What is Indexing? Explain the creation and deleting an Index with SQL syntax and example. 15M
11. a) What is Cursor? Write a PL/SQL program to create a cursor. 15M

(OR)

 b) What is Attribute? Explain types of attributes with examples of a college database. 15M
12. a) Explain 1NF, 2NF and 3NF with examples. 15M

(OR)

 b) Explain the Locking Methods. 15M



Code: 109/E/R/BL

FACULTY OF SOCIAL SCIENCES
B.A., III-Semester (Regular-Backlog) Examinations, January-2023
ECONOMICS

SEC-I
(2019, 2020 & 2021 Batches)

Basics of Computer Applications in Economics

Max. Marks: 40

Time: 1½ Hours

Section - A (Short Answer Questions)

2 x 5=10M

Note: Answer the following questions not exceeding 20 lines each.

1. Functions of Operating System
2. SPSS

2 x 5M

Section - B (Essay Answer Questions)

2 x 15=30M

Note: Answer the following questions not exceeding 4 pages each.

3. a) Explain computer generators briefly.
(OR)
b) Explain features of windows with diagrammatically.

2 x 15M

4. a) Explain briefly about preparation of graphs with SPSS.
(OR)

- b) Explain about package handling for SPSS.



Code: 119/E/R/BL

FACULTY OF SOCIAL SCIENCES & SCIENCES
B.A. / B.Sc., III-Semester (Regular-Backlog) Examinations, January-2023
COMPUTER SCIENCE & COMPUTER APPLICATIONS

SEC-I

(2019, 2020 & 2021 Batches)

Python-I

Max. Marks: 40

Time: 1½ Hours

Section - A (Short Answer Questions)

2 x 5=10M

Note: Answer the following questions not exceeding 20 lines each.

1. Boolean Variables
2. Generating Random Numbers

Section - B (Essay Answer Questions)

2 x 15=30M

Note: Answer the following questions not exceeding 4 pages each.

3. a) Define operators in python. Explain different types of operator.
(OR)
b) What is decision structures? Explain briefly about nested decision structures.
4. a) Explain about passing arguments to functions with suitable example.
(OR)
b) Discuss about exceptions with suitable examples program.



FACULTY OF SCIENCE & SOCIAL SCIENCES
B.A./ B.Sc., III-Semester (Regular/Backlog) Examinations, December-2023
(2019, 2020, 2021 & 2022 Batches)

COMPUTER SCIENCE/ COMPUTER APPLICATIONS

SEC-I
Python-I

Max. Marks: 40

Time: 1½ Hours

Section - A (Short Answer Questions)

2 x 5=10M

Note: Answer the following questions not exceeding 20 lines each.

1. Define string comparison in python.
2. Define local and global variables.

5M

5M

Section - B (Essay Answer Questions)

2 x 15=30M

Note: Answer the following questions not exceeding 4 pages each.

3. a) Define nested decision structure in Python with its syntax and suitable example.
- b) Define repetition structures in python. Explain different types of repetition in detail.
4. a) Discuss about defining a function and calling a function with suitable example in detail.

15M

15M

15M

- b) Define files with its file operations in python in detail.

15M



Code: 763/R

FACULTY OF SCIENCE
B.A./B.Sc., IV-Semester (Regular) Examinations, July/August-2022
Computer Applications/ Computer Science
SEC-III
Python-II

Time: 1½ Hours

Max Marks: 40

2 x 5=10M

Section-A (Short Answer Questions)

Note: Answer any two questions in not exceeding 20 lines each.

1. Serializing objects
2. Classes

Section-B (Essay Answer Questions)

2 x 15=30M

Note: Answer the following questions in not exceeding 4 pages each.

3. a) Explain finding items in lists with the in operator.
(OR)
b) Write about searching and manipulating strings.
4. a) Define polymorphism with example.
(OR)
b) Explain label widget, button widget with example.



Code: 763/R

FACULTY OF SCIENCE
B.A./B.Sc., IV-Semester (Regular) Examinations, July/August-2022
Computer Applications/ Computer Science
SEC-III
Python-II

Time: 1½ Hours

Max Marks: 40

Section-A (Short Answer Questions)

2 x 5=10M

Note: Answer any two questions in not exceeding 20 lines each.

1. Serializing objects
2. Classes

Section-B (Essay Answer Questions)

2 x 15=30M

Note: Answer the following questions in not exceeding 4 pages each.

3. a) Explain finding items in lists with the in operator.
(OR)
b) Write about searching and manipulating strings.

4. a) Define polymorphism with example.
(OR)
b) Explain label widget, button widget with example.

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Code: 648/BL

FACULTY OF ARTS, COMMERCE & SCIENCES
B.A/B.Sc., II-Semester (Backlog) Examinations, July/August-2021
(for Computer Applications & Computer Science)

AECC-II

Basic Computers Skills

Time: 1½ Hours

Max. Marks: 40

Section-A (Short Answer Type)

2x5=10M

Note: Answer the following questions.

1. Explain Central Processing Unit (CPU) ?
2. Define the following terms, i) ISP ii) URL iii) LAN iv) IP Address.

Section-B (Essay Answer Type)

2x15=30M

Note: Answer the following questions.

3. Draw the block diagram of computer and explain the component of computers.
(OR)
4. Explain the various functions of windows operating system.
5. Explain the formulas and functions available in excel for manipulating the data.
(OR)
6. Explain the concept and applications of internet.



Time: 1½ Hours

Max. Marks: 40

4x4=16M

Section – A (Short Answer Type)

Note: Answer any **Four** of the following questions.

1. What are the uses of Computers?
2. Briefly explain the graphic input devices.
3. Distinguish between impact and non-impact printers.
4. What do you understand by system?
5. How to create tables in word?
6. Write about templates

Section – B (Essay Answer Type)

2x12=24M

Note: Answer all questions.

7. a) Define Computer. Discuss the input and output devices with examples.

OR

- b) What is Operating System? Explain its evolution and functions.

8. a) Discuss the features, applications and importance of information systems.

OR

- b) What do you understand by Word Processing? Explain the formatting features of Word Processing.



AECC-II
BASIC COMPUTER SKILLS
(for General)

Max. Marks: 40

Time: 1½ Hours

4×4=16M

Section – A (Short Answer Type)

Note: Answer any **Four** of the following questions.

1. Define Computer and write its functions.
2. What is Primary and Secondary Memory?
3. Write the functions of Operating System.
4. Briefly explain about Information System.
5. Write the features of page set-up in MS-Word.
6. Write the animation features in MS-Word.

Section – B (Essay Answer Type)

2×12=24M

Note: Answer all questions.

7. a) What are the different types of Computers? Discuss their applications.
OR
b) Define Software. Explain the classification of software.
8. a) Differentiate between Data and Information. Explain the social and ethical issues in Information System.
OR
b) Briefly explain the features of MS-PowerPoint. Explain the process of preparing slides in MS-PowerPoint.



Code: 617/E/BL

FACULTY OF SCIENCE
B.A./B.Com./B.B.A./B.Sc., II-Semester (Backlog) Examinations, June-2022
AECC-II
(2019 & 2020 Batches)
BASIC COMPUTER SKILLS
(for General)

Time: 1½ Hours

Max. Marks: 40

Section – A (Short Answer Questions)

4x4=16M

Note: Answer any **Four** of the following questions in not exceeding 20 lines each.

1. Explain the components of computer.
2. Write the functions of Operating system.
3. Classify the different types of software.
4. Describe any two applications of Information system.
5. Write the steps to insert a table in word processing software.
6. Define template. Explain the types of templates.

2x4=8M

Section – B (Essay Answer Questions)

2x12=24M

Note: Answer the following questions in not exceeding 4 pages each.

7. a) Categorize the different types of memory and explain with examples.

(OR)

- b) What is an input device? Explain any 3 input devices in detail.

2x12=24M

8. a) Explain step by step process of creating, editing and saving documents in MS-word.

(OR)

- b) Describe the concept of using animations in preparing slideshows.



FACULTY OF SCIENCE
B.A./B.Com./B.Sc., II-Semester (Backlog) Examinations, June-2022

AECC-II
(2019 & 2020 Batches)
BASIC COMPUTER SKILLS
(for Computers & Computer Applications)

Code: 618/E/BL

Time: 1½ Hours

Max. Marks: 40

Section-A (Short Answer Questions)

2x5=10M

Note: Answer the following questions in not exceeding 20 lines each.

1. Define Operating System. Explain the basics of popular operating systems.
2. Write a short note on (i) LAN (ii) URL.

Section-B (Essay Answer Questions)

2x15=30M

Note: Answer the following questions in not exceeding 4 pages each.

3. a) Explain the following terms in MS-Word.
 - i) Text creation and Manipulation
 - ii) Table handling
 - iii) Language setting and thesaurus

(OR)

 - b) Describe the process of creating, renaming and deletion of files, folders and directories.

4. a) Explain the following terms: (i) ISP (ii) Search Engines (iii) IP Address.

(OR)

- b) Explain the process of creating slideshow using design templates and custom animation.



FACULTY OF SCIENCE
B.A., II-Semester (Backlog) Examinations, June-2022
Computer Applications-2
(2016, 2017 & 2018 Batches)
Programming in C++

Time: 3 hours

Max Marks: 80

Section-A (Short Answer Questions)

5x4=20M

Note: Answer any **Five** of the following questions in not exceeding 20 lines each.

1. Discuss about control structures in C++.
2. Differentiate between overloading and overriding.
3. Explain about the benefits of OOPs in different application areas.
4. Discuss about the passing of arguments to constructors with example.
5. Explain the Multiple Inheritance concept with the block diagram.
6. Write a short note on Abstract Base Classes.
7. Explain try-catch block with an example.
8. Explain class templates with an example?

Section-B (Essay Answer Questions)

4x15=60M

Note: Answer the following questions in not exceeding 4 pages each.

9. a) Explain the syntax of one-dimensional array. Write a program to demonstrate passing of one-dimensional array to functions.
(OR)
b) What is Friend class? Write a program to implement friend function and friend class.
10. a) Discuss the process of declaring objects and accessing class members in C++ with suitable example.
(OR)
b) Write a program in C++ to implement the use of constructors and destructors with examples.
11. a) What is Polymorphism? Write a program to demonstrate static polymorphism.
(OR)
b) Explain the unformatted I/O and formatted I/O operations with an example each.
12. a) Define Exception handling. Write a program to implement exception handling with classes.
(OR)
b) Explain function templates. Write a program to implement function template.



FACULTY OF SOCIAL SCIENCES
B.A., V-Semester (Regular/Backlog) Examinations, December-2023
(2019, 2020 & 2021 Batches)
COMPUTER APPLICATIONS
Paper-V
Programming in Java

Time: 3 Hours

Max. Marks: 80

8 x 4 = 32M

Section - A (Short Answer Questions)**Note:** Answer any **Eight** of the following questions not exceeding 20 lines each.

- | | |
|---|----|
| 1. Explain the three easy steps to execute a Java program. | 4M |
| 2. Illustrate the process of compilation and interpretation in Java diagrammatically. | 4M |
| 3. Define Data Types? Exemplify and two primitive data types. | 4M |
| 4. Write a brief note on Parameterized Constructors. | 4M |
| 5. Classify the different types of Inheritance. | 4M |
| 6. Demonstrate the concept of Inner Class. | 4M |
| 7. Explain about Random Access File Class. | 4M |
| 8. Differentiate between File Input Stream and File Out Stream, Class. | 4M |
| 9. What is Thread Priority and Synchronization? | 4M |
| 10. Elucidate Event Delegation Model in Java. | 4M |
| 11. Explain in brief about Layout Managers in Swings. | 4M |
| 12. Explain the properties of JTable. | 4M |

Section - B (Essay Answer Questions)

4 x 12 = 48M

Note: Answer the following questions in not exceeding 4 pages each.

- | | |
|--|-----|
| 13. a) List and explain the various features of Java in detail. | 12M |
| (OR) | |
| b) Write about any two conditional statements with syntax and an example program for each. | 12M |
| 14. a) Illustrate command line arguments with a sample program in Java. | 12M |
| (OR) | |
| b) Explain how the multiple inheritance is achieved using interface in Java with the help of a program. | 12M |
| 15. a) What is an Exception? Write a Java program to handle user defined exception. | 12M |
| (OR) | |
| b) Define Thread. Explain creation of new threads by inheriting the thread class. | 12M |
| 16. a) (i) Distinguish between AWT and SWINGS. (ii) Write a program using AWT controls. | 12M |
| (OR) | |
| b) Demonstrate the Applet's state diagram, and write about the common methods used in displaying the output. | 12M |

FACULTY OF SCIENCE
B.A., IV-Semester (Backlog) Examinations, June-2022
Computer Applications-4
(2016, 2017 & 2018 Batches)
Computer Networks

Time: 3 hours

Max Marks: 80

5x4=20M

Section-A (Short Answer Questions)

Note: Answer any **Five** of the following questions in not exceeding 20 lines each.

1. Write operating system services.
2. Write about file systems.
3. Define topologies and list out types of topologies.
4. Explain twisted pair cable.
5. Define ENQ/ ACK.
6. Write about Ethernet-CSMA/CD.
7. Write about routers and bridges.
8. Explain the functions of application layer.

Section-B (Essay Answer Questions)

4x15=60M

Note: Answer the following questions in not exceeding 4 pages each.

9. a) Define system calls. Explain the various types of system calls.

(OR)

 b) Explain CPU scheduling concepts and scheduling criteria.
10. a) Explain OSI/ ISO reference model in detail.

(OR)

 b) Write a note on (i) Optical fiber (ii) Satellite Communication (iii) Cellular telephony.
11. a) Explain error detection methods including VRC, LRC, CRC, checksum.

(OR)

 b) Explain multiplexing and switching.
12. a) Explain transport layer duties and its protocols in detail.

(OR)

 b) Explain the functions and protocols of upper layers of OSI layers.



Code: 765/R

FACULTY OF SCIENCE
B.A., IV-Semester (Regular) Examinations, July/August-2022
Computer Application
Paper-IV
Multi Media Systems

Time: 3 hours

Max Marks: 80

8x4=32M

Section-A (Short Answer Questions)

Note: Answer any Eight of the following questions in not exceeding 20 lines each.

1. Briefly explain the virtual reality
2. Describe what characteristics a typeface might have.
3. Discuss the hyper link with example.
4. Compare and contrast the use of MIDI and digitized audio in a multimedia production.
5. Discuss the principles of animation.
6. Define codec and list with an example of a codec.
7. Discuss the intangible elements needed to make good multimedia.
8. What are the common software programs used to handle text, graphics, audio, video, and animation in multimedia projects and discuss their capabilities.
9. Discuss the four primary navigational structures used in multimedia.
10. What are the services of Internet and its purpose?
11. What are the options adopted by multimedia developers on the internet to work within the constraints of bandwidth bottlenecks?
12. Discuss the various DVD formats and their purposes.

Section-B (Essay Answer Questions)

4x12=48M

Note: Answer the following questions in not exceeding 4 pages each.

13. a) Discuss the differences among multimedia, interactive multimedia, hypertext and hypermedia.
(OR)
b) Discuss the difference between bitmap and vector graphics. Describe five different graphic elements you might use in a project, for example, the background, buttons, icons, or text. Would you use a vector tool or a bitmap tool for each element? Why?
14. a) List the four main sampling rates and the two sampling depths. Briefly describe what each is most useful for. How does mono versus stereo come into the equation?
(OR)
b) Discuss how the computer monitor image differs from a television image. What are the limitations in creating images on the computer destined for a television screen?
15. a) Describe the four primary stages in a multimedia project.
(OR)
b) How to produce a successful multimedia project and work with clients.
16. a) Discuss the current state of multimedia on the internet and tools for the World Wide Web.
(OR)
b) Explain the two primary methods for delivering a project. Discuss the benefits and drawbacks of each method.

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