

A-10181

Sub. Code

4BSOA1

**U.G. DEGREE EXAMINATION, APRIL 2021 &
Supplementary/Improvement/Arrear Examinations
Software**

Allied — FUNDAMENTALS OF COMPUTER

(CBCS – 2014 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all the** questions.

1. What is Stepped rockoner?
2. Define Application Software.
3. Write any four advantages of Hierarchical Topology.
4. What do you mean by Resource Sharing?
5. What is Interprocess Communication?
6. What is the purpose of TYPE command?
7. Define Kernel.
8. List out the basic types of files.
9. Why we need Save As Submenu in windows?
10. What is cloud computing?

Part B

(5 × 5 = 25)

Answer **all** the questions.

11. (a) What are the types of computers? Explain.

Or

- (b) What are the storage devices used in computers?

12. (a) Write the importance of Communication Media.

Or

- (b) Describe the concept of Network Protocol.

13. (a) What are the functions of operating system?

Or

- (b) Write the features of MS-DOS.

14. (a) Explain the file access modes in UNIX operating system.

Or

- (b) Write short notes on SUID and SGID file permission.

15. (a) Describe the multitasking format of window.

Or

- (b) What are the features of windows NT and XP?

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss the characteristics and uses of computers.
17. What is Computer Network? How can we classify computer networks?

18. Explain the commands used in MS-DOS.
 19. Write down the structure of UNIX file system.
 20. Explain the following :
 - (a) Client-Server Computing.
 - (b) Grid Computing.
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Sub. Code

4BSOA2

**U.G. DEGREE EXAMINATION, APRIL 2021 &
Supplementary/Improvement/Arrear Examinations
Software
Allied — OFFICE AUTOMATION
(CBCS – 2014 onwards)**

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write the importance of find dialog box.
2. How to close a document?
3. What are the font style name in the formatting toolbar?
4. What is a header?
5. What are the keystrokes used instead of cursor movement in tables?
6. List out the features of Word Art.
7. Define Workbook.
8. What is a range?
9. How to undo action in Excel Worksheet?
10. Why we need print preview tool?

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) How can you save a document? Explain.

Or

- (b) Where do you use cut, copy and paste options in your documents?

12. (a) What are the bullets and numbers in the toolbar?

Or

- (b) How to enhance your document by using page setup menu?

13. (a) Write the steps to create your time table.

Or

- (b) What are the tools in the drawing toolbar?

14. (a) Give short note on different ranges in a Excel Worksheet.

Or

- (b) What are the advantages of using a formula in excel? Explain.

15. (a) Explain how to insert and delete a cell in a worksheet.

Or

- (b) How can you set up print area of a worksheet? Explain.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the following :
 - (a) Replacing text
 - (b) Cursor movement.
 17. What are the options in font dialog box of MS.Word? Explain.
 18. Discuss the concept of mail merge with an example.
 19. Explain aligning and editing data in cells.
 20. What are the math functions used in MS.Excel worksheet? Explain.
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A-10221

Sub. Code

4BSOA3

**B.Sc. DEGREE EXAMINATION, APRIL 2021 &
Supplementary / Improvement / Arrear Examinations**

Software

Allied – C-PROGRAMMING

(CBCS – 2014 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define data type.
2. Why is initialization important?
3. What is an operator?
4. Define Switch Statement.
5. Differentiate string and characters.
6. What is the difference between formal and actual parameters?
7. What is static variable?
8. What is the use of period operator?
9. What is file handling?
10. Write the general format of fseek() function.

Part B

(5 × 5 = 25)

Answer **all** the questions, choosing either (a) or (b).

11. (a) Explain the special features of a C program.

Or

- (b) List out the rules for naming a variable in C.

12. (a) How does pre increment and post increment work? Explain with an example program.

Or

- (b) Differentiate entry-controlled loop and exit-controlled loop.

13. (a) Write a C program to find the sum of the given n integers using an array.

Or

- (b) Explain the break and continue statement with an example.

14. (a) Explain about the pointer variables.

Or

- (b) How does a structure differ from an array? Explain with an example.

15. (a) Write the differences between putchar() and putc().

Or

- (b) Write a short note on macros.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the different types of operators in C.
17. Write a C program using if else ladder to grade student according to following rules.

Marks	Grade
70 to 100	Distinction
60 to 69	I Class
50 to 59	II class
40 to 49	III Class
0 to 39	fail

18. Explain any five built-in functions in C with examples.
19. Write a program using pointers to read an array of integers and print its elements in reverse order.
20. How does a preprocessor works? Explain.

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4BSO5C2

**B.Sc. DEGREE EXAMINATION, APRIL 2021 &
Supplementary/Improvement/Arrear Examinations**

Fifth Semester

Software

WEB DESIGN TECHNOLOGY

(CBCS – 2014 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What is a HTML?
2. How to create a horizontal rule?
3. What is a JavaScript?
4. List out the logical operators in JavaScript.
5. How to define function in JavaScript?
6. What do you mean by recursion?
7. What is the purpose of ONCLICK event?
8. What is an object?
9. What is the use of CSS?
10. What is a style sheet?

Part B

(5 × 5 = 25)

Answer **all** questions, choosing either (a) or (b).

11. (a) Explain the various attributes of the <body> tag.

Or

- (b) Write a HTML code to create a table with 5 rows and 5 columns for a class Time Table.

12. (a) Write a JavaScript that reads an integer and determines and outputs HTML text that displays whether it is odd or even.

Or

- (b) Explain the 'while' and 'do while' statements in JavaScript.

13. (a) Write a JavaScript that uses a function CircleArea to prompt the user for the radius of a circle and to calculate and the print the area of that circle.

Or

- (b) What are the two ways to pass arguments to function? Explain.

14. (a) Explain about the onfocus and onblur events in the form processing.

Or

- (b) What are the methods of the String object in JavaScript? Explain with examples.

15. (a) What is DTD? Explain.

Or

- (b) Explain how to create style sheets with the STYLE element.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Discuss about ordered list and unordered list in HTML.
 17. Write a JavaScript to find the factorial of a given number.
 18. Write a JavaScript program to count the number of negative and zeros and positive values in the given array using function.
 19. Write a JavaScript program to arrange the given set of numbers in an ascending order.
 20. Explain about the structure of XML Document.
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Sub. Code

4BSO6C2

**B.Sc. DEGREE EXAMINATION, APRIL 2021 &
Supplementary/Improvement/Arrear Examination**

Sixth Semester

Software

SOFTWARE ENGINEERING

(CBCS – 2014 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define software reliability.
2. How to develop a solution strategy?
3. What is the required level of reliability?
4. What does the implicit equations state?
5. Define Abstraction.
6. What is recursion?
7. Write down the commonly used debugging methods.
8. What is the purpose of Configuration Management?
9. Define software quality.
10. What is FTR?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Write down all the factors that influence quality and productivity.

Or

- (b) Write a brief note on Prototype Life-cycle model.

12. (a) Discuss shortly on how to Estimate the costs of software maintenance.

Or

- (b) Give a brief note on state-oriented notation.

13. (a) Differentiate coupling and cohesion.

Or

- (b) Explain the guidelines of good coding style.

14. (a) Discuss shortly about McCabe's Cyclomatic complexity.

Or

- (b) Explain about the activities performed during software development to enhance the maintainability of a software product.

15. (a) Write a note on components of SOA.

Or

- (b) Write down the section involved in the SOA plan document.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Write a detailed note on planning activities.
 17. Discuss about Software Requirements Specification.
 18. Describe the structured coding techniques.
 19. Explain in detail about the Managerial aspects of software maintenance.
 20. Write a detailed note on ISO 9000 quality standards.
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A-10427

Sub. Code

4BSO6C3

**B.Sc. DEGREE EXAMINATION, APRIL 2021 &
Supplementary/Improvement/Arrear Examinations**

Sixth Semester

Software

COMPUTER NETWORKS

(CBCS – 2014 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. What are the two types of transmission technology?
2. What is Novell Netware?
3. Give any two advantages of Baseband coaxial cable.
4. What is Lightwave Transmission?
5. Write any two issues of data link layer.
6. What is character stuffing?
7. What is the role of routing algorithm?
8. Classify the routing algorithms.
9. What is World Wide Web?
10. What do you mean by Cipher?

Part B

(5 × 5 = 25)

Answer **all** questions choosing either (a) or (b).

11. (a) Compare the OSI and TCP reference network models.

Or

- (b) Discuss the design of ARPANET with neat diagram.

12. (a) Write brief note on various transmission media.

Or

- (b) Explain the concept of Radio Transmission.

13. (a) Describe the Error-Detecting Codes concept.

Or

- (b) Explain the sliding window protocols in brief.

14. (a) Write a note on internal organization of the Network Layer.

Or

- (b) Explain the transport services of Transport layer.

15. (a) What is Electronic Mail? Explain.

Or

- (b) Write a brief note on World Wide Web.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Explain the need of Network software in detail.
 17. Discuss the working of Broadband Coaxial cable and Fiber optics in detail.
 18. Describe the Data link layer design issues in detail.
 19. Describe the elements of transport protocol.
 20. Describe the DES algorithm.
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A-8990

Sub. Code

4BSOA4

**U.G. DEGREE EXAMINATION, APRIL 2021 &
SUPPLEMENTARY/IMPROVEMENT/ARREAR EXAMINATIONS
Software**

Allied — E-COMMERCE AND INTERNET

(CBCS – 2014 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Write any two applications of E-Commerce.
2. What is Media?
3. List any two components of Market-driven transactions.
4. Give any two URL formats.
5. Define EDI.
6. List any two characteristics of SCM.
7. What is Internet Protocol?
8. Expand ISDN and DSL.
9. Define Browser.
10. What is a Web Page?

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Draw a suitable diagram and explain elements of E-Commerce applications.

Or

- (b) Write note on Satellite Networks.

12. (a) Discuss Electronic Messaging.

Or

- (b) What are the three types of Electronic token? Explain.

13. (a) Draw the layered architecture of EDI and explain.

Or

- (b) Explain Hypertext documents.

14. (a) What are the Software and Hardware requirements of Internet Connection?

Or

- (b) Write short notes on ISP.

15. (a) Explain WWW.

Or

- (b) Listout various search engines and discuss.

Part C

(3 × 10 = 30)

Answer any **three** questions.

16. Illustrate the electronic commerce organisation applications.

17. Write notes on :

- (a) HTTP

- (b) HTML.

18. What are the types of digital documents? Explain.
 19. Explain the steps to be followed for connecting Internet.
 20. Discuss in detail about E-mail.
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