



S.V.K.P & Dr.K.S RAJU ARTS & SCIENCE COLLEGE (A)

PENUGONDA-534320

An Autonomous College Affiliated to Adikavi Nannaya University

Accredited by NAAC with "A" Grade & College with Potential for Excellence



I B.Sc., (Computer Science Major/Minor) under CBCS w.e.f A.Y. 2023-2024

PAPER – III: PROBLEM SOLVING USING 'C' MODEL PAPER

SEMESTER-II

PAPER CODE: 23CSC21

Time: 3 Hours

Max. Marks: 70

PART – 1

Answer any **FIVE** questions choosing at least two from each section. Each question carries 10 marks. **5 X 10=50 Marks**

SECTION-A

1. Draw the block diagram of a computer and explain its parts?
2. Explain about different types of operators in C?
3. What are the decision making statements in C? Explain in detail?
4. What are the loop control statements in C? Explain in detail?
5. Explain two dimensional arrays with syntax and example?

SECTION-B

6. Write a C program to find the Multiplication of two matrices?
7. Explain about the different categories of functions?
8. Explain how to declare, initialize and accessing values using pointers?
9. Define structure? Explain with syntax and an example program?
10. Explain basic file operations in C?

PART – 2

Answer any **FIVE** questions. Each question carries 4 marks.

5 X 4=20 Marks

11. Define Algorithm? Write about the key features of algorithm?
12. Explain the structure of C program?
13. Write about break and continue statements?
14. Write a C program to find the sum of the digits of a given number?
15. Define array? How to declare and initialize one dimensional array?
16. Write about string handling functions in C?
17. Explain the recursion with an example program?
18. What is file? Explain different types of files?



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I B.Sc., (Computer Science Major): II SEMESTER UNDER CBCS w.e.f A.Y. 2023-2024

PAPER – IV: DIGITAL LOGIC AND DESIGN MODEL PAPER

SEMESTER-II

Time: 3 Hours

PAPER CODE: 23CSC22

Max.Marks: 70

PART – 1

Answer any **FIVE** questions choosing at least two from each section. Each question carries 10 marks.

5 X 10=50 Marks

SECTION-A

1. What is Number System? Explain different types of number systems,
2. What are Weighted and Un Weighted codes? Explain.
3. What is Logic gate? Explain AND,OR, NOT , X-OR and X-NOR gates
4. What is K-Map? Explain with example for SOP simplification.
5. What is Full-Adder? Explain design of Full-Adder.

SECTION-B

6. What is ripple sub tractors? Explain?
7. What is encoder? Explain the design of an encoder?
8. What is Multiplexer? Explain its design?
9. What is RS latch? Explain its construction with NAND and NOR gates.
10. What is Shift Register? Explain?

PART – 2

Answer any **FIVE** questions. Each question carries 4 marks.

5 X 4=20 Marks

1. Convert the decimal number 932 into binary number.
2. Explain 1's and 2's complement methods with example.
3. What are Universal gates? Explain.
4. State and explain De-Morgan's laws.
5. Explain the logic diagram of Half –Adder.
6. Give the logic design of full subtract or.
7. Give the classification of Combinational Logic Circuit.
8. What is de-multiplexer? Explain.



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**I B.Com (Computer Applications)-Major/ I B.Com (General) Minor
II SEMESTER: OFFICE AUTOMATION TOOLS (23BCV22/23BCG23)**

(w.e.f A.Y. 2023-2024): MODEL QUESTION PAPER

Time: 3 Hours

Max. Marks: 70

PART - I

Answer any **FIVE** questions choosing at least two from each section.

Each question carries **10** marks.

5 X 10=50 Marks

SECTION-A

1. Explain various Features of MS-Word.
2. Discuss the various alignments and text formatting in MS-Word.
3. Write the process how to prepare progress report of student using mail merge.
4. Define a Macro? How create, run, edit and delete it.
5. Write about creating, saving, editing and deleting a workbook by using MS-Excel?

SECTION-B

6. Explain about functions in MS-Excel in detail.
7. What is chart? Explain step by step procedure to creating and editing a chart.
8. Write about Sort, Filters and View menu in detail.
9. Write the process how to prepare a Power Point presentation.
10. Write about different types of animations in MS-Power Point?

PART - II

Answer any FIVE questions. Each question carries 4 marks

5 X 4=20 Marks

11. Write about the parts of Word Window?.
12. Write about Headers and Footers in MS-Word
13. Explain difference between Wizard and Template?
14. Write about Quick Access Tool bar.
15. Write about adding and deleting rows columns in MS-Excel.
16. Write about Data Sort.
17. Explain about cell replacing
18. Explain various features of MS-PowerPoint



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DIGITAL LETERACY (23SC22)
SKILL COURSE under CBCS w.e.f A.Y. 2023-2024
(Common for II SEMESTER of all Major COURSES)

Time: 2 Hours

Max. Marks: 50

Note: 1. Answer any THREE of the following.

2. Each one carries 10 Marks.

3 X 10 = 30 M

SECTION – A

1. Define Computer? Explain the Logical organization of Computer with neat block diagram?
2. Discuss about the Interacting with interface icons in Windows?
3. Discuss about the Internet Access Techniques?
4. Discuss about the Registering for a web-based Email Account and Accessing Email with Attachments?
5. Write about the making Utility Bill?
6. Discuss about the Booking Bus and Train Tickets Online?

SECTION – B

NOTE: 1. Answer any FOUR of the following

2. Each one carries 5 Marks.

4 X 5=20 M

7. Discuss about the mouse and key board Operations?
8. Discuss about the creating folders and sub folders on the desktop and Hard Disk and also shifting file from one folder to another?
9. Discuss about the Access the Internet?
10. Write about reading an Email, sending Email, reply to an Email, forward an Email and delete an Email message?
11. How to Job Search through employment portals?
12. Discuss about the formatting text in a MS-Word Document?