

6. Create a Class routine for your department for a week with at least six classes slots & an interval per day maintaining proper time schedule and attach a watermark for your department in the background of that routine using Microsoft Word.
7. Show a pictorial collage of at least five images and five shapes altogether by providing suitable names for each of them in their center using Microsoft Word.
8. Create a three-page document on "Career Opportunities in Information Technology." Insert images and tables as necessary. Ensure each image has a caption. Add headers and footers and page numbers.
9. Calculate the overall percentages of at least ten students in a class form their secured marks in five different subjects and provide Grades to them as following using Microsoft Excel.

| Grade | Percentage |
|-------|------------|
| A     | Above 90%  |
| B     | 75% to 90% |
| C     | 60% to 75% |
| D     | 45% to 60% |
| F     | Below 45%  |

10. Create a transition-based presentation on your college with at least ten slides using Microsoft PowerPoint.  
[PNB- 2 & Viva- 3]

-----0-----

Total Page-2

DTSKSM/B.SC./CSC/IS/NEP

**B.Sc. First Semester Examination(ESE) 2024**

**(CCFUP : NEP)**

**(3 -Year UG- Programme)**

**COMPUTER SCIENCE**

**Paper Code : UG/I/COMP/3/MI-CIP**

**Paper Name : Office Automation (Using Ms-Office)**

**Full Marks - 20**

**Time - 3 hours**

*The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.*

**Group - A**

Answer any one questions :

1×15=15

1. Make a 'Resume'/CV (Curriculum Vitae) of a person using a photograph and a tabloid structure to show all the qualifications and experiences of him/ her using Microsoft word.
2. Create a power Point presentation with 5slides on the topic "Importance of Technology in Education." Use different slide layouts for each slide and Include at least one title slide and one conclusion slide.
3. Create a spreadsheet that includes student names, subjects, and marks. Use the VLOOKUP function to find the marks of a student based on their name. Use the SUMIF function to calculate the total marks for a specific subject.
4. Create a slide presentation titled "My Dream Vaction." Insert at least two images of your chosen destination and a background audio clip. Apply animation effects to the images and transitions between slides.
5. Design a Google Form titled "Student Feedback on Online Classes." Include questions such as satisfaction ratings, pros and cons, and suggestions for improvement. Share the link with at least three classmates and collect responses.

P.T.O

\* List of Books.

7. Design a HTML page that consists of the following tags: marquee, hyperlink, image, background color and heading.
8. Write a HTML code to display the following output

| Sl. No. | Items    | quantity |
|---------|----------|----------|
| 1       | PC       | 2        |
| 2       | Laptop   | 5        |
| 3       | Keyboard | 8        |
| 4       | Monitor  | 3        |
| Total   |          | 18       |

[ PNB-5 & Viva-5]

-----o-----

Total Page-2

DTSKSM/B.SC./CSC/IS/NEP

**B.Sc. First Semester Examination(ESE) 2024**

**(CCFUP : NEP)**

**(3 Year UG- Programme)**

**COMPUTER SCIENCE**

**Paper Code : UG/I/COMP/3/SE-IP**

**Paper Name : Web Design Using HTML and CSS**

**Full Marks - 40**

**Time - 3 hours**

*The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.*

**Group - A**

Answer any one questions :

1×30=30

1. Design a personal portfolio web page using HTML and CSS that includes the following sections :
  - \* Header with a title.
  - \* About Me section with your picture and a short biography.
  - \* Skills section using a table to showcase different technical skills.
2. What are various types of lists in HTML. Demonstrate each by taking an example of each. Also show how the list can be nested.
3. Write an HTML code to Create a Mark sheet.
4. Create a registration form using HTML and CSS that includes :
  - \* Input fields for Name, Email, Password, and Phone Number.
  - \* Radio buttons for gender selection.
  - \* Submit and Reset buttons.
5. Create a webpage with a gallery of 6 images.
6. Design the following static web pages required for Library management system web site and link these pages to home page using hyperlinks in HTML
  - \* Home
  - \* About us

P.T.O

6. Prepare a sample GST invoice including system date & time for a retail shop with the name of products, their prices, order quantities, categories, types of GST (0% or 50% or 12% or 18% or 28%) & discounts if /any and prepare the final bill according to that using Microsoft excel.
7. Calculate the overall percentages of at least ten students in a class form their secured marks in five different subjects and provide Grades to them as following using Microsoft Excel.

| Grade | Percentage |
|-------|------------|
| A     | Above 90%  |
| B     | 75% to 90% |
| C     | 60% to 75% |
| D     | 45% to 60% |
| F     | Below 45%  |

8. Create a Google Form for a survey on "Favorite Hobbies." Include at least five questions (multiple-choice, short-answer) and Share the form link with your classmates, collect their responses, and display the results in a summary chart.
9. Create a transition -based presentation on your college with at least ten slides using Microsoft PowerPoint.
10. Create a slide presentation titled "May Dream Vacation." Insert at least two images of your chosen destination and a background audio clip. Apply animation effects to the images and transitions between slides.

[PNB -2 & Viva - 3 ]

-----o-----

Total Page-2

DTSKSM/B.SC./CSC/IS/NEP

**B.Sc. First Semester Examination(ESE) 2024**

**(CCFUP : NEP)**

**( 4-Year UG- Programme)**

**COMPUTER SCIENCE**

**Paper Code : UG/I/COMP/4/MI-IP**

**Paper Name : Office Automation**

**Full Marks - 20**

**Time - 3 hours**

*The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.*

**Group - A**

Answer any one questions :

1×15=15

1. Create a PowerPoint presentation with 5 slides on the topic "Importance of Technology in Education." Use different slide layouts for each slide and include at least one title slide and one conclusion slide.
2. Create a simple budget tracker in Excel with the following:
  - \* Columns for Item Name, Quantity, Price per Unit and Total Cost.
  - \* Use a formula to calculate the Total Cost (Quantity \*Price per Unit)
3. Make a 'Resume' /CV (Curriculum Vitae) of a person using a photograph and a tabloid structure to show all the qualifications and experiences of him/ her using Microsoft Word.
4. A Class routine for your department for a week with at least six classes slots and an interval per day maintaining proper time schedule and attach a watermark for your department in the background of that routine using Microsoft Word.
5. Show a pictorial collage of at least five images and five shapes altogether by providing suitable names for each of them in their center using Microsoft Word.

P.T.O

- \* Use CSS grid or flexbox to arrange the images in a grid layout.
  - \* Add a effects (e.g., zoom-in).
  - \* Include captions for each image.
5. Create a registration form using HTML and CSS that includes :
- \* Input fields for Name, Email, password, and phone Number.
  - \* Radio buttons for gender selection.
  - \* Checkboxes for agreeing to terms and conditions.
  - \* Submit and Reset buttons styled with CSS.
6. Develop a simple e-commerce product page that displays different products with details such as
- \* Product Name
  - \* Image
  - \* Price
  - \* Add to cart butoon.
7. Design a webpage for your college department that contains :
- \* A navigation bar with links to "Home" "Faculty", "Courses" and " Contact Us."
  - \* Use different sections for each part of the webpage (e.g., Home section shuld contain an introduction to the department).
  - \* Include a list of courses offered in the "Courses" section.
  - \* Sytle the navigation bar to have a background color, hover effects, and aligned items using CSS.

[PNB- 5 & Viva - 5]

---o---

Total Page-2

DTSKSM/B.SC./CSC/IS/NEP

**B.Sc. First Semester Examination(ESE) 2024**

**(CCFUP : NEP)**

**( 4 -Year UG- Programme)**

**COMPUTER SCIENCE**

**Paper Code : UG/I/COMP/4/SE-IP**

**Paper Name : Web design Using HTML and CSS**

**Full Marks - 40**

**Time - 3 hours**

*The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.*

### **Group - A**

Answer any one questions :

1×30=30

1. Design a personal profolio web page using HTML and CSS that includes the following sections:
  - \* Header with a title.
  - \* About Me section with your picture and a short biography.
  - \* Skills section using a table to showcase different technical skills.
  - \* Projects section with links and descriptions of your previous work.
  - \* Footer with contact information and social media links.
2. What are various types of lists in HTML. Demonstrate each by taking an example of each. Also show how the list can be nested.
3. Create a website in which all the hyperlinks are the list items of an unordered list. You have to place this list a frame that lies in left side of your home page and after clicking any hyperlink, the corresponding details should be displayed ina frame lying in right side of your webpage.
4. Design an image gallery using HTML and CSS with the following features:
  - \* Display at least 6 images.

P.T.O

size and purpose, and discuss their real-world applications.

16. Draw a block diagram of a computer. Explain the function of each of the blocks.

**বিভাগ-ক**

যে কোনো পাঁচটি প্রশ্নের উত্তর দাও :  $2 \times 5 = 10$

1. সুপার কম্পিউটার কী ?
2.  $(252)_8$  সংখ্যাকে বইনারি সংখ্যা পদ্ধতিতে রূপান্তর করো।
3. ইনপুট ডিভাইস কি ? ইনপুট ডিভাইসের 2 টি উদাহরণ দাও।
4. LAN এবং WAN এর মধ্যে পার্থক্য কী ?
5. Loader কী ?
6. হার্ডওয়্যার এবং সফটওয়্যার মধ্যে পার্থক্য কি ?
7. সোরেজ ডিভাইস কি ? উদাহরণ সহ ব্যাখ্যা করো।
8. ROM এর RAM মধ্যে পার্থক্য কী ?

**বিভাগ-খ**

যে কোনো চারটি প্রশ্নের উত্তর দাও :  $4 \times 5 = 20$

9. টীকা লেখো - ওয়েব ব্রাউজার
10. 2's complement ব্যবহার করে  $(21)_{10}$  থেকে  $(15)_{10}$  বিয়োগ করুন।
11. মালি টাস্কিং এবং মালি প্রোগ্রামিং অপারেটিং সিস্টেমের মধ্যে পার্থক্য লেখো।
12. অ্যাপ্লিকেশন সফটওয়্যার এবং সিস্টেম সফটওয়্যার মধ্যে পার্থক্য করো।
13. Internal Bus এবং External Bus এর মধ্যে তুলনা করো।
14. Interpreter এবং Assembler এর সংজ্ঞা দাও।

**বিভাগ-গ**

যে কোনো একটি প্রশ্নের উত্তর দাও :  $1 \times 10 = 10$

15. কম্পিউটারের আকার (size) এবং উদ্দেশ্য (purpose) এর উপর ভিত্তি করে কম্পিউটারের শ্রেণীবিভাগ বিশদভাবে বর্ণনা করো এবং তাদের বাস্তব-বিশ্বের (Real World) অ্যাপ্লিকেশন নিয়ে আলোচনা করো।
16. কম্পিউটারের একটি ব্লক ডায়াগ্রাম (Block Diagram) অঙ্কন করো। প্রতিটি ব্লকের কাজ ব্যাখ্যা করো।

—o—

Total Page-2

DTSKSM/B.SC./CSC/IS/NEP

**B.Sc. First Semester Examination(ESE) 2024  
(CCFUP : NEP)**

**(3-Year UG- Programme)**

**COMPUTER SCIENCE**

**Paper Code : UG/I/COMP/3/MI-C1T**

**Paper Name : Computer Fundamental**

**Full Marks - 40**

**Time - 2 hours**

*The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.*

**Group - A**

Answer any five questions :  $2 \times 5 = 10$

1. What is Super Computer.
2. Convert  $(252)_8$  number into binary number system.
3. What is input devices? Give 2 examples of input devices.
4. What is the difference between LAN and WAN?
5. What is Loader?
6. What is the difference between Hardware and Software?
7. What is storage devices? Explain with examples
8. What is the difference between a ROM and RAM?

**Group -B**

Answer any four questions :  $4 \times 5 = 20$

9. Write a short note on "Web Browser"
10. Subtract  $(15)_{10}$  from  $(21)_{10}$  using 2's complement.
11. What is the difference between multitasking and multiprogramming operating system?
12. What is difference between application software & System Software?
13. Compare between Internal and External Bus.
14. Define the terms: interpreter and Assembler,

**Group -C**

Answer any one question :  $1 \times 10 = 10$

15. Describe in detail the classification of computers based on their

**B.Sc. First Semester Examination(ESE) 2024**

**(CCFUP : NEP)**

**( 4-Year UG- Programme)**

**COMPUTER SCIENCE**

**Paper Code : UG/I/COMP/4/MI-1T**

**Paper Name : Computer Fundamental**

**Full Marks - 40**

**Time - 2 hours**

*The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.*

**Group - A**

Answer any Five questions : 2×5=10

1. Convert  $(B2)_{16}$  numbers into binary number system.
2. What is the 'shortcut key' to select all the writings of a Microsoft word file? Write the 'Shortcut key' for copy and paste.
3. What are output devices? Give 2 examples of output devices.
4. What is a Bit and a Byte in computer terminology?
5. Why is CPU called the brain of a computer?
6. What is Micro Computer?
7. What is the difference between Data Bus and Address Bus?
8. Write down some name of popular Search Engines.

**Group -B**

Answer any four questions : 4×5=20

9. Describe the generations of computers and explain the main features of the third generation.
10. Explain the components of the CPU, including ALU, CU, and the Register Set.
11. Explain 2's complement subtraction with an example.
12. What is OS? Why OS is needed? Give some example of popular OS.

13. Write a short note on - a) LAN b) MAN  
14. What is Data Communication? Define different component of Data Communication.

### Group -C

Answer any one question :  $1 \times 10 = 10$

15. Discuss various types of Primary memory and secondary memory in computer.  
16. Explain the basic organization of a Digital Computer. What are signed number and unsigned number? Convert the binary number to equivalent hexadecimal number  $(11011101)_2 = (?)_{16}$

### বিভাগ-ক

যে কোনো পাঁচটি প্রশ্নের উত্তর দাও :  $2 \times 5 = 10$

1.  $(B2)_{16}$  সংখ্যাটিকে বাইনারি সংখ্যায় রূপান্তর কর।
2. মাইক্রোসফটওয়ার্ড ফাইলের সমস্ত লেখা নির্বাচন করার জন্য 'শর্টকাট কী' Coy এবং Past করার জন্য শর্টকাট পদ্ধতি লেখো।
3. আউটপুট ডিভাইস কি? আউটপুট ডিভাইসের 2টি উদাহরণ দাও।
4. কম্পিউটার পরিভাষায় বিট এবং বাইট কী?
5. CPU কে কম্পিউটারের মস্তিষ্ক বলা হয় কেন?
6. মাইক্রো কম্পিউটার কী?
7. Data bus এবং Address bus বাসের মধ্যে পার্থক্য কী?
8. জনপ্রিয় কিছু সার্চ ইঞ্জিনের নাম লেখো?

### বিভাগ-খ

যে কোনো চারটি প্রশ্নের উত্তর দাও :  $4 \times 5 = 20$

9. কম্পিউটারের প্রজন্মের গুলির বর্ণনা দাও এবং তৃতীয় প্রজন্মের প্রধান বৈশিষ্ট্য গুলি ব্যাখ্যা করো।
10. ALU, CU এবং Register Set সহ CPU এর উপাদানগুলি ব্যাখ্যা করো।
11. উদাহরণ সহ 2's complement বিয়োগটি ব্যাখ্যা করো।

12. OS কি? কেন OS প্রয়োজন? জনপ্রিয় OS র কিছু উদাহরণ দাও।  
13. a) LAN b) MAN টীকা লেখো  
14. ডেটা কমিউনিকেশন কি? ডেটা কমিউনিকেশনের বিভিন্ন উপাদানের সংজ্ঞা দাও।

### বিভাগ-গ

যে কোনো একটি প্রশ্নের উত্তর দাও :  $1 \times 10 = 10$

15. কম্পিউটারের বিভিন্ন ধরনের প্রাথমিক মেমরি ও গৌণ মেমরি আলোচনা করো।  
16. ডিজিটাল কম্পিউটারের basic organization ব্যাখ্যা কর। signed number এবং unsigned number কি?  $(11011101)_2$  বিইনারি সংখ্যাটিকে সমতুল্য হেক্সাডেসিমেল সংখ্যায় রূপান্তর করো।

—o—

ii) Karnaugh-Map কি ?

23. a) একটি কম্পিউটারের বিভিন্ন bus সম্পর্কে লেখো।  
b) টীকা লেখোঃ রাউটার এবং সুইচ।
24. a) একটি কম্পিউটার সিস্টেমের মৌলিক উপাদানগুলি ব্যাখ্যা করো। CPU মেমরি/ মডিউল এবং ইনপুট/ আউটপুট ডিভাইসগুলির কার্যাবলী বর্ণনা করো।  
b) ক্যাশে (Cache) মেমরি এবং ভার্চুয়াল মেমরি সহ বিভিন্ন ধরনের কম্পিউটার মেমরি বর্ণনা করো।
25. a) সংখ্যা পদ্ধতির (Number System) ধারণা ব্যাখ্যা করো। বাইনারি, দশমিক, অক্টাল এবং হেক্সাডেসিমেল সংখ্যা বর্ণনা করো।  
b) নিম্নলিখিত গাণিতিক ক্রিয়াকলাপ সম্পাদন করঃ  
i)  $(1011)_2 + (1101)_2$  sdf  
ii)  $(3254)_8 - (1427)_8$   
iii)  $(1101)_2$  কে  $(101)_2$  45 দ্বারা গুণ কর।

---o---

**B.Sc. First Semester Examination(ESE) 2024**  
**(CCFUP : NEP)**

**(3-Year UG- Programme)**

**COMPUTER SCIENCE**

**Paper Code : UG/I/COMP/3/MJ-A1T**

**Paper Name : Introduction to Computers**

**Full Marks - 60**

**Time - 3 hours**

*The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.*

**Group - A**

Answer any ten questions :

10×2=20

1. What is input device of a computer?
2. 2KB (Kilobyte) = How many bits?
3. Convert  $(927.75)_{10}$  into equivalent binary number.
4. What is Ex-OR Gate?
5. Define System Software?
6. Add  $(11011)_2$  with  $(110)_2$  and give result.
7. What is fundamental logic Gates?
8. Write a short note on 1's complement.
9. Name two input devices of a computer.
10. What is the octal equivalent of the decimal number 25?
11. What is a computer network topology?
12. Define the term 'booting process'.
13. What is a computer language?
14. Name the two main components of the CPU.
15. What is the hexadecimal equivalent of the binary number 1101?

**Group -B**

Answer any four questions :

4×5=20

16. What is Half adder circuit? explain with a diagram.

17. Explain Encoder circuit.
18. Write a note on S-R Flip Flop.
19. Write and explain circuit diagram of 4:1 multiplexer.
20. Describe the functions of an operating system. Explain the difference between single-user and multi-user operating systems.
21. Explain the concept of memory hierarchy in a computer system. Describe the differences between primary and secondary memory.

### Group -C

Answer any two question : 2×10=20

22. a) Write a note on Ex-NOR Gate and NOR Gate.
- b) What is Karnaugh map?
23. a) Write about different Buses of a computer
- b) Write a short note on Routers and switches
24. a) Explain the basic components of a computer system. Describe the functions of the CPU, memory module, and input/output devices.
- b) Describe the different types of computer memory, including cache memory and virtual memory.
25. a) Explain the concept of number systems. Describe the binary, decimal, octal, and hexadecimal number systems.
- b) perform the following arithmetic operations :
  - i)  $(1011)_2 + (1101)_2$
  - ii)  $(3254)_8 - (1427)_8$
  - iii) Multiply  $(1101)_2$  by  $(101)_2$

### বিভাগ - ক

যেকোনো দশটি প্রশ্নের উত্তর দাওঃ

1. কম্পিউটারের ইনপুট ডিভাইস কি ?
2. 2 কিলোবাইট = কত বাইট ?

3.  $(927.75)_{10}$  সমতুল্য বাইনারি সংখ্যার রূপান্তর করো।
4. Ex-OR Gate কি ?
5. সিসেম সফটওয়্যার সংজ্ঞায়িত করো।
6.  $(11011)_2$  এর সাথে  $(110)_2$  যোগ কর এবং ফলাফল দাও।
7. Fundamental Logic Gate কি ?
8. 1's Complement এর সম্পর্কে সংক্ষেপে লেখো।
9. একটি কম্পিউটারের দুটি ইনপুট ডিভাইসের নাম দাও।
10.  $(25)_{10}$  এর Octal সমতুল্য কত ?
11. কম্পিউটার নেটওয়ার্কে টপোলজি কি ?
12. 'Booting Process' শব্দটি সংজ্ঞায়িত কর।
13. কম্পিউটার ভাষা কি ?
14. CPU এর দুটি প্রধান ও উপাদানের নাম লেখো।
15. বাইনারি সংখ্যা 1101 এর হেক্সাডেসিমেল

### বিভাগ - খ

যেকোনো চারটি প্রশ্নের উত্তর দাওঃ

16. হাফ অ্যাডার সার্কিট কি ? একটি চিত্র দিয়ে ব্যাখ্যা করো।
17. ব্যাখ্যা করো : এনকোডার সার্কিট (Encoder Circuit)।
18. SR ফ্লিপ ফ্লপ সম্পর্কে যা জান লেখো।
19. 4 : 1 মাল্টিপ্লেক্সারের সার্কিট ডায়াগ্রাম লেখো এবং ব্যাখ্যা কর।
20. একটি অপারেটিং সিসেমের কার্যবলী বর্ণনা কর। একক-ব্যবহারকারী (Single-user) এবং বহু-ব্যবহারকারী (Multi-user) অপারেটিং সিসেমের মধ্যে পার্থক্য লেখো।
21. একটি কম্পিউটার সিসেমের মেমরি শ্রেণীবিণ্যাসের ধারণা ব্যাখ্যা করো। প্রাথমিক ও গৌণ (Primary ও Secondary) মেমরির মধ্যে পার্থক্য নির্ণয় করো।

### বিভাগ - গ

যেকোনো দুটি প্রশ্নের উত্তর দাওঃ

22. টীকা লেখোঃ i) Ex-NOR Gate এবং NOR Gate।

**B.Sc. First Semester Examination(ESE) 2024  
(CCFUP : NEP)**

**( 4-Year UG- Programme)  
COMPUTER SCIENCE**

**Paper Code : UG/I/COMP/4/MJ-1T**

**Paper Name : Indtroduction to Programming in C**

**Full Marks - 40**

**Time - 2 hours**

*The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.*

11. What is Linked list? what is the advantages of it over array?
12. Describe the different types of operators used in C and provide examples of each type.
13. Write an algorithm of any sorting technique.
14. Describe how pointers are used for dynamic memory allocation in C. Write a program using pointers to allocate memory for an integer array, accept values from the user, and then calculate the average of those values.

**Group -C**

Answer any one question : 1×10=10

15. a) Write a note on built in function with proper example.  
b) Write various data types used in C programing language.
16. What do you mean by file pointer? What are the different file opening modes in C? Write a simple program to open a file, write something in the file and close the file.

-----0-----

**Group - A**

Answer any five questions : 5×2=10

1. What is a pointer in C-program?
2. Distinguish between "++x" and "x++"
3. What are unary and binary operators?
4. Compare do-while and while loop
5. What is the difference between break and continue statements in C?
6. Write the syntax of the strcpy and strlen functions and explain their uses.
7. What is a recursive function? Give one example.
8. Explain the difference between passing arguments by value and by reference in C.

**Group -B**

Answer any four questions : 4×5=20

9. Write a C program which will calculate armstrong number within the range 0 to 1000.
10. What are the difference between structure and Union. Explain. with examples.

**B.Sc. First Semester Examination(ESE) 2024****(CCFUP : NEP)****( 4-Year UG- Programme)****COMPUTER SCIENCE****Paper Code : UG/I/COMP/4/MJ-IP****Paper Name : Programning in C Lab****Full Marks - 20****Time - 3 hours***The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.***Group - A**

Answer any one questions :

1×15=15

1. Write a C program which will generate fibonacci sequence starting from 0 to 100.
2. Write a C program which will calculate factorial of an integer ( positive integer) using recursive function.
3. Write a C program to cheek whether a string is a palindrome or not.
4. Write a C program to sort n numburs from an array.
5. Write a C program to find largest among n numbers using call by reference
6. Write a C program to calculate n Cr ling recursion.
7. Write a C program to concatenate two different strings by user defined function.
8. Write a C program to reverse an integer.
9. Write a C program which convert a decimal number into binary.
10. Write a C program which will find sun of digits of a given integer.

[PNB : 3 Marts and viva : 2 Marks]

-----O-----

**B.Sc. First Semester Examination(ESE) 2024****(CCFUP : NEP)****( 4-Year UG- Programme)****COMPUTER SCIENCE****Paper Code : UG/I/COMP/4/MJ-IP****Paper Name : Programning in C Lab****Full Marks - 20****Time - 3 hours***The figures in the margin indicate full Marks. Candidates are required to give their own words as far as practicable. Illustrate the answers wherever necessary.***Group - A**

Answer any one questions :

1×15=15

1. Write a C program which will generate fibonacci sequence starting from 0 to 100.
2. Write a C program which will calculate factorial of an integer ( positive integer) using recursive function.
3. Write a C program to cheek whether a string is a palindrome or not.
4. Write a C program to sort n numburs from an array.
5. Write a C program to find largest among n numbers using call by reference
6. Write a C program to calculate n Cr ling recursion.
7. Write a C program to concatenate two different strings by user defined function.
8. Write a C program to reverse an integer.
9. Write a C program which convert a decimal number into binary.
10. Write a C program which will find sun of digits of a given integer.

[PNB : 3 Marts and viva : 2 Marks]

-----O-----