



44621/A0210

Reg. No.

M2021614

I Semester B.C.A. 5 Degree Examination, March/April - 2021

C - PROGRAMMING

(Regular)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates :

- 1) All sections are Compulsory.
- 2) Enter the question numbers correctly.

SECTION - A

Answer any 10 questions.

(10×2=20)

1.
 - a) What is programming language?
 - b) Mention the problem solving techniques.
 - c) What is an Assembler?
 - d) List the primitive data types and format specifiers
 - e) What is difference between compiler and interpreter?
 - f) Write output of the following

```
int main ()
```

```
{
```

```
    for ( int x = 0; x <= 5; x ++){
```

```
        if ( x == 3 ) continue;
```

```
        print f("x = %d \n", x );}
```

```
}
```

- g) What are pre-increment and Post - increment Operators?
 - h) Write general syntax for do ----- While loop statement.
 - i) What are the advantages of global variable?
 - j) Define the term Recursion.
 - k) What is user defined function? Write syntax.
 - l) How do you declare structure in C?

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SECTION - B

Answer any 4 questions.

(4×5=20)

2. What is C programming? State the Characteristics of C.
3. Briefly explain the generations of programming languages.
4. Describe the execution of for — loop statement with an example.
5. Give the general format of switch statement with program segment example.
6. Write a program to generate and print n Fibonacci numbers.
7. Write the difference between Structure and Union.

SECTION - C

Answer any 4 questions.

(4×10=40)

8. a) Define an array. How do you read and write n elements using two dimensional array?
b) Explain nested if branching statement with example. (6+4)
9. Explain the various operators used in C.
10. What is String? Discuss any 5 string handling functions with example.
11. a) Write a program to find maximum between three numbers.
b) Explain the types of parameter passing mechanism. (5+5)
12. a) How do you access members of the structures? Explain with an example.
b) Write the difference between Algorithm and flow chart. (5+5)



41124/A240

Reg. No.

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I Semester B.C.A. 4 Degree Examination, March/April - 2021**PROGRAMMING IN C****(Repeater)****Time : 3 Hours****Maximum Marks : 80****Instructions to Candidates : 1. All sections are compulsory.****SECTION - A**

Answer All the questions.

(10×2=20)

1. a) Define compiler and Loader.
- b) List out the problem solving Procedures.
- c) What is the difference between '=' & '==' Operator.
- d) List any four standard mathematical functions.
- e) Differentiate break & continue statement.
- f) Write the syntax of while - loop statement.
- g) Write the rules for framing variable names.
- h) What is the role of strrev ()?
- i) What is Union?
- j) Define Macros.

SECTION - BAnswer any **Four** questions.**(4×5=20)**

2. Explain the classification of Programming languages with advantages & disadvantages.
3. What is flow chart? Draw the flow chart for computing n^{th} Fibonacci numbers.
4. What is String ? Write a program to demonstrate string handling functions.
5. Write the difference between structure and Union.
6. What is algorithm? Write an algorithm for reversing the digits of an integers.

SECTION - CAnswer any **Four** questions.**(4×10=40)**

7. Explain the various types of C operators. **(10)**
8. a) Write a C program to find the Subtraction of two matrices.
- b) Discuss the local & global variables. **(5+5=10)**

P.T.O.



9. a) What is structure? Explain syntax with example. (5+5=10)
b) What is User defined function? Explain the categories.
10. a) Write a program to sort an array of elements in an ascending order. (5+5=10)
b) Demonstrate the usage of switch statement with an example.
11. Write short notes on any two (5+5=10)
a) Storage Classes in C
b) Unformatted & formatted I/O functions.
c) Command line Arguments.
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44622/A0220

Reg. No.

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I Semester B.C.A. Degree Examination, March/April - 2021
COMPUTER FUNDAMENTALS
(Regular)

Time : 3 Hours**Maximum Marks : 80****Instructions to Candidates:**

1. Answer **All** Sections.
2. Draw neat diagrams wherever necessary.
3. Write question numbers **Correctly**.

SECTION - A**1. Answer Ten questions.****(10×2=20)**

- a) Define Computer.
- b) Name the basic material used in 2nd Generation Computer.
- c) What is non-positional number System? Give example.
- d) $111011_{(2)} = \text{_____}_{(10)}$
- e) What is Cache memory?
- f) Name any two Sequential access storage devices.
- g) What is Multiprogramming?
- h) Name the shortcuts keys used for cut & paste operation.
- i) What do you mean by Hardware in Computer? Give example.
- j) Write the steps insert new row in a Worksheet.
- k) List the Components of Desktop in Windows.
- l) Write the purpose of pwd Command in Linux.

SECTION - BAnswer any **FOUR** questions.**(4×5=20)**

2. Describe the features of Computer.
3. Perform the following Calculations.

a) $11011_{(2)} + 1010_{(2)}$ b) $11100_{(2)} - 1110_{(2)}$ c) $125_{(10)} = \text{_____}_{(2)}$

P.T.O.



4. Explain different Categories of Processors.
5. What is Software? Discuss different types of Softwares along with example.
6. Name and write the Purpose of any 5 font related options of Ms-Word.
7. Explain any five items of Control panel in Windows.

SECTION - C

Answer any **FOUR** questions.

(4×10=40)

8. Discuss indetail the basic organisation of Computer system.
 9. Explain the different Commonly used Secondary storage devices used in Computer system.
 10. What is Operating system? Explain the different types of Operating systems.
 11. What is chart in Ms-Excel? Write the steps to insert chart in Ms-Excel & Name the different Components of chart with a Sample chart.
 12. Discuss the different file related Commands of Linux with their syntax and example.
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41123/A230

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I Semester B.C.A. 4 Degree Examination, March - 2021
COMPUTER FUNDAMENTALS
(Repeater)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

1. All the **Three** parts are Compulsory.
2. Draw diagram where necessary.

PART - A

1. Answer the following questions. (10×2=20)
- a) Define data and information.
 - b) Differentiate RAM and ROM.
 - c) Name the types of number system.
 - d) Expand EBCDIC and ASCII
 - e) What is Cache memory?
 - f) What is Motherboard?
 - g) Expand USB and DVD.
 - h) What is Ms-Word? Name the Versions.
 - i) Define Kernel.
 - j) Write the Purpose of 'ls' and 'cd' Command in Linux operating system.

PART - B

- Answer any **FOUR** questions. (4×5=20)
2. Explain generations of Computer.
 3. Explain Positional number system.
 4. Draw a neat diagram of Optical disk explain.
 5. Explain any five options of Control panel.
 6. State the Purpose and Syntax of following Commands.
 - i) Cat
 - ii) mk dir
 - iii) grep
 - iv) mv
 - v) r m.

P.T.O.

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**PART - C**Answer any **FOUR** full questions.**(4×10=40)**

7. a) Draw a neat diagram of block diagram of Computer and explain the function of each unit. (5)
- b) Briefly discuss any five applications of Computer. (5)
8. a) What is Binary arithmetic? State the four rules in respect of (5)
- i) Binary multiplication
- ii) Binary division
- b) i) Convert the given binary number $(10101)_2$ to its equivalent octal, decimal and hexa decimal number. (5)
- ii) Convert the given decimal number $(145)_{10}$ to its equivalent binary and octal number
9. a) What is Secondary memory? Briefly explain magnetic disk and flash drives. (5)
- b) Write a note on (any one)
- i) Projector (5)
- ii) Plotter
10. a) Discuss Home tab of Ms-word. (5)
- b) Explain the Concept of (any one) (5)
- i) Real time Operations system.
- ii) Time sharing Operations system.
11. a) Draw a neat diagram of desktop and explain any five icons. (5)
- b) Write a note on (any one) (5)
- i) Files and folders
- ii) Windows explorer.
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41121/A210

Reg. No.

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I Semester B.C.A. 4 Degree Examination, March/April - 2021

FINANCIAL ACCOUNTING**(Repeater)****Time : 3 Hours****Maximum Marks : 80****Instructions to Candidates :**

- 1) Attempt all the Section as per Instructions.
- 2) Simple and non programmable calculators are permitted.

SECTION - A**I. Answer all the questions. Each question carries 2 marks.****(10×2=20)**

1.
 - a) What is data?
 - b) What is goods?
 - c) What is narration?
 - d) What is Journal?
 - e) What is computerised Accounting?
 - f) What is cash discount?
 - g) What is depreciation?
 - h) Who is called as creditor?
 - i) Expand IF and LF.
 - j) What is transaction?

SECTION - B**II. Answer any Four of the following. Each question carries 5 marks.****(4×5=20)**

- 2) What are the features of computerised accounting?
- 3) What are features of ledger?
- 4) From the following information prepare mahie account for the month of Jan 2021.
1st Sold goods to mahie 40000/
7th bought from mahie goods Rs 30000/-
10th Returned goods to mahie Rs 4000/-
18th Issued cheque to mahie 20000/-
20th Received cash from mahie 38000/-
25th Brought goods from mahie Rs.20000/-

P.T.O.



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- 5) From the following transaction prepare purchase book and sales book for the month of Nov-2020.

5th Bought goods from Ram traders Belgaum.

10 Bags flower @ 500/- per bag.

15 Bags wheat @ 600/- per bag Trade discount @ 10%.

8th Sold goods to Laxmon traders Dharwood.

20 Bags sugar @ 800/- per bag

10 Bag of Rava @ 600/- per bag trade discount @ 15%

- 6) What is accounting package?

SECTION - C

III. Answer any **Four** of the following. Each question carries 10 marks. (4×10=40)

- 7) From the following transaction prepare Journal of karuna & co for the month of May 2020.

1st Aug. Commenced business with cash Rs.100000

3rd Aug. Sold goods for cash Rs.20000/-

5th Aug. bought goods on credit from shruti & Co. & Rs 20000/-

8th Aug. sold goods to deshpande

Rs.10000/- 30% second sold in cash

9th Aug. bought furniture and issued cheque Rs5000/-

12th Aug. received cash from Akash Rs.5000/- and allowed him discount Rs500/-

14th Aug. paid for rent 500/- and wages Rs.600

16th deposited in to bank Rs 1000/-

18th cash withdrawn from bank for office use Rs 5000/-

20th paid salary Rs 500/-

25th Received commission Rs 1000/-

28th Sold goods and received cash Rs4000/-

8) Prepare Bank Reconciliation statement as on 31/03/2020.

- 1) Bank balance as per cash Rs.5000/-
 - 2) Cheques deposited in to bank but not collected and credited in pass book till 31/-3-2020. Rs 3000/-
 - 3) Cheques issued to dishpande Rs 3000/- on 28th March but presented for payment on 5th April 2020.
 - 4) A customer Mr. Motu Who directly credited our account. Rs.2000/- but not entered in cash book.
 - 5) Banker debited our are passbook Rs 200/- as bank charges but no entry cash book.
- 9) Hanuman Co bought machine costing Rs.80000/- on 1st April 2018 and spent for its. Installation charges Rs.20000/- the company decided to charge depreciation at 10% on fixed method show the machine account and depreciation account for 3 years assuming that accounts are closed on 31st March each year.
- 10) From the following transaction you are required to prepare 3 colum cash book for the month of Nov - 2020.

1st Nov. Cash in hand Rs.40000 and cash at bank Rs.10000/-

5th Nov. Sold goods for Rs.10000.

8th Nov. Bought goods and paid by cheque 2000 and earned discount Rs 200/-.

10th Nov. Cash deposited in to Bank Rs 5000/-

12th Nov. Sold goods for cash Rs 8000/-

13th Nov. Received cash from Mohan Rs 4800/- in full settlement of his account Rs 5000/-

14th Nov. Cash withdrawn from Bank for office use Rs 2000/-

18th Nov. Cash withdrawn from Bank for personal use Rs500/-

20th Nov. Paid office rent by cheque Rs 1000/-

25th Nov. Paid for cortege Rs100/-

28th Nov. Paid office salary Rs800/-

- 11) From the following trial balance of Ram co as on 31st March 2020 you are required to prepare trading account profit and loss account and balance sheet.

Trial Balance

S. No	Name of A/C	Debit	Credit
1	Capital	-	40000
2	Drawing	4000	-
3	Purchases	30000	-
4	Sales	-	60000
5	Rent	5000	-
6	Wages	5000	-
7	Advertisement	1000	-
8	Discount	1000	-
9	Sundry Debtors	14000	-
10	Sundry Creditors	-	10000
11	Machine	10000	-
12	Furniture	5000	-
13	On stock	20000	-
14	Salary	10000	-
15	Cash	5000	-
	Total	1,10,000	1,10,000

Adjustment:

- 1) Closing Stock 30,000
- 2) Depreciate Machine @ 10%.



10951/A910

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I Semester All UG Courses Degree (CBCS) Examination March/April - 2021

INDIAN CONSTITUTION

**Ability Enhancement Compulsory Course
(Regular)**

Time : 2 Hours

Maximum Marks : 40

Instructions to Candidates:

Students should answer Part-I and II

PART-I

ಭಾಗ - I

Answer any Four of the following, each question carrying 2 marks. (4×2=8)

1. Write the meaning of constitution.

ಸಂವಿಧಾನದ ಅರ್ಥ ಬರೆಯಿರಿ.

2. List the fundamental rights given by the constitution.

ಸಂವಿಧಾನವು ಕೊಟ್ಟಿರುವ ಮೂಲಭೂತ ಹಕ್ಕುಗಳನ್ನು ಪಟ್ಟಿಮಾಡಿರಿ.

3. Name the methods of amendment procedure of the constitution.

ಸಂವಿಧಾನದ ತಿದ್ದುಪಡಿ ಮಾಡುವ ವಿಧಾನಗಳನ್ನು ಹೆಸರಿಸಿರಿ.

4. Who is the nominal and real executive head of the union government ?

ಕೇಂದ್ರ ಸರ್ಕಾರದ ನಾಮಮಾತ್ರ ಮತ್ತು ನೈಜ ಕಾರ್ಯಾಂಗದ ಮುಖ್ಯಸ್ಥರು ಯಾರು ?

5. Who is the ex-officio chairman of the Rajyasabha ?

ರಾಜ್ಯಸಭೆಯ ಅಧ್ಯಕ್ಷಾಧಿಕಾರಿ ಯಾರು ?

6. Name the types of Emergency.

ತುರ್ತುಪರಿಸ್ಥಿತಿಯ ವಿಧಗಳನ್ನು ಹೆಸರಿಸಿರಿ.

[P.T.O.]



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PART-II

ಭಾಗ - II

Answer any Two of the following, each question carrying 16 marks.(2×16=32)

7. Analyse the salient features of the Indian Constitution.

ಭಾರತ ಸಂವಿಧಾನದ ಪ್ರಮುಖ ಲಕ್ಷಣಗಳನ್ನು ವಿಶ್ಲೇಷಿಸಿರಿ.

8. Discuss the Directive Principles of State Policy.

ರಾಜ್ಯನೀತಿಯ ನಿರ್ದೇಶಕ ತತ್ವಗಳನ್ನು ಚರ್ಚಿಸಿರಿ.

9. Explain the powers and functions of the Prime Minister.

ಪ್ರಧಾನ ಮಂತ್ರಿಯ ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿರಿ.

10. Discuss the structure, powers and functions of the Lok-Sabha.

ಲೋಕಸಭೆಯ ರಚನೆ, ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ಚರ್ಚಿಸಿರಿ.
