

BCA Second Semester  
All Subject Question Paper  
Of 2018 year  
TU, DEAN

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**Tribhuvan University**  
Faculty of Humanities and Social Sciences  
**OFFICE OF THE DEAN**  
2018

Bachelor in Computer Applications  
Course Title: C-Programming  
Code No: CACS 151  
Semester: II

Candidates are required to answer the questions in their own words as far as possible.

Full Marks: 60  
Pass Marks: 24  
Time: 3 hours

Group B

**Attempt any SIX questions.**

[6\*5=30]

11. What is software process model? Differentiate between cohesion and coupling in programming? [1+4]
13. Define keywords and identifiers. Define rules for defining valid identifiers. [2+3] List the operators used in C on the basis of utility.  
Explain the concept of bitwise operation. [2+3]
14. Differentiate between while loop and do while loop. Write a C program to find input number is prime or composite [2+3]
15. What is DMA? Write a program to find the largest and smallest number in a list of n numbers using DMA.  
[1+4]  
What is the difference between binary file and text file? Write a C program to write some text
16. 'Welcome to BCA  
program' in a file  
test.txt. [2+3]
17. Explain any four graphics function in C. Write a program to draw two concentric circles with center (50, 50) and radii 75 and 125. [2+3]

Group C

**Attempt any TWO  
questions.**

[2\*10=20]

18. What is one dimensional array? How it is initialized? Write a C program to find the sum of two matrix of order m x n. [1+1+8]
19. Define structure and union. Write a C program using structure that reads the record of 35 students with member's roll, name, address and makes and display the records of students who have obtained greater than 250 marks. [2+8]
20. What is a function? List its advantages. Explain the concept of function call by value and call by reference with example. [1+2+7]

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**Tribhuvan University**  
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2018

Bachelor in Computer Applications

Course Title: Financial Accounting

Code No: CAAC 152

Semester: II

Candidates are required to answer the questions in their own words as far as possible.

Full Marks: 60

Pass Marks: 24

Time: 3 hour

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Group B

**Attempt any SIX questions.**

[6\*5=30]

11. Following cash and bank transactions of a month are given to you,

- 1 Balance of cash Rs 30,000 and bank 40,000
- 2 Purchased goods for Rs 15,000, paid Rs 5,000 on cash and the balance through cheque after allowing a discount of Rs 500
- 15 Rent received Rs 12,000
- 23 Sales of goods at Rs 21,000, received Rs 5,000 on cash and the balance through cheque after the deduction discount of Rs 1,600
- 27 Deposited cash into the bank

Rs 10,000 **Required:** Cash book with cash and bank column.

12. Following information are given to you

- Cheque sent for collection of Rs 5,000 but credited by bank only Rs 2,000
- Cheque issued of Rs 4,000 but not presented at bank
- Bank interest of Rs 1,000 has been collected by bank but not recorded in cash book
- Service charge of Rs 200 shown in pass book only
- A debtor directly deposited Rs 2,000 into bank

**Required:** Bank Reconciliation Statement

13. The transactions related to machinery are as under

- 01.07.20  
15 Purchased machinery of Rs 60,000
- 01.01.20  
16 Purchased machinery of Rs 40,000
- 30.06.20  
17 Sold machinery purchased on 2015 for Rs 48,253 and purchased next machinery for Rs 20,000

14. Stores transaction during the month

Magh are as under Magh 1: Opening balance: 500 units @ Rs 10 per unit

**Purchased:**

Magh 4: 600 units @ Rs 11 per unit  
Magh 9: 600 units @ Rs 12 per unit  
Magh 20: 800 units @ Rs 12 per unit

**Issued:**

Magh 7: 500 units  
Magh 15: 500 units  
Magh 25: 400  
units Stock verification loss.  
Magh 28: 20  
units

**Required:** Store ledger unit FIFO method.

- 15.
16. What are the various users of accounting information? Explain.
17. Differentiate between Going concern concept and Business entity concept.

### **Group-C**

**Attempt any TWO questions.**

**[2\*10=20]**

18. Following transactions are provided to you.
 

01 March Started business with cash Rs 2,00,000.  
 04 March Deposited cash into bank Rs 50,000.  
 March Purchased goods from creditors for Rs 1380,000 and paid cash only 30,000.  
 17 March Sold goods on cash Rs 1,00,000.  
 20 March Paid salary Rs 15,000 through cheque.  
 23 March Received interest Rs 10,000.  
 30 March Paid to creditors cash Rs 18,000 and received discount Rs 2,000.  
 31 March Returned goods to creditors of Rs 5,000.

**Required:** Journal Entries and Creditors' Account.

19. The following is the trial balance of a businessman as on 31<sup>st</sup> December 2017.

<b>Particulars</b>	<b>Dr Account</b>	<b>Particulars</b>	<b>Cr Account</b>
Opening Stock	18,000	Sales	2,20,000
Purchase	71,000	Return Outwards	1,500
Return Inward	1,000	Loan	20,000
Wages	11,000	Bills Payable	2,500
Carriage on Purchase	2,500	Capital	40,000
Printing and Stationery	2,000	Discount received	1,000
Salary	3,800		
Insurance Expenses	3,000		
Plant and machinery	1,20,000		
Debtors	10,500		
Cash at bank	11,600		
Rent expenses	6,600		
Drawings	3,000		
Furniture	22,000		
	2,85,000		2,85,000

**Additional Information:**

- Closing stock is valued at Rs 25,000
- Depreciation on plant & machinery @ 15% and 10% on furniture
- Outstanding wages Rs 4,000
- Prepaid insurance Rs 500

**Prepare:** (a) Trading account (b) Profit & Loss Account  
 (c) Balance Sheet as on 31<sup>st</sup> December 2017

20. Define company. Differentiate between private and public company.

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2018

Bachelor in Computer Applications

Course Title: English II

Code No: CAEN 153

Semester: II

Candidates are required to answer the questions in their own words as far as possible.

Full Marks: 60

Pass Marks: 24

Time: 3 hours

Group B

**Attempt any SIX questions.**

**[6\*5=30]**

11. How do you distinguish a science fiction from other kinds of fiction? Explain basing on the stories given in your textbook.
12. What are the components of arguments? Explain with appropriate examples.
13. Lists are used in letters, e-mail, fax messages and memos. What are the major objectives and advantages of using lists and bullets? Explain.
14. In the story 'Who can Replace a Man' the penner claims to have class three brain. Why do the tractors and the field minder leave the penner behind rejecting his request for help? Why he becomes useless after crashing down to the ground? Explain.
15. What are the guidelines to be followed while designing leaflets? Explain basing on the text prescribed in your course.
16. What do you mean by brainstorming a topic? Explain with an appropriate example.
17. An argument states with a basic reason. Read the following sentence and draw an immediate and then a main conclusion.  
*If Cigarette advertising were banned, Cigarette manufacturing would save the money they would otherwise have spent on advertising.*

Group C

**Attempt any TWO questions.**

**[2\*10=20]**

18. A lot can be done to make meetings effective. What measures would you suggest to make meeting effective if you were a member of a meeting? Explain
19. Of late, major cities, especially the capital city, of Nepal have become notorious because of frequent traffic congestion. In this context, write an argumentative essay about the benefits and disadvantages of our widespread use of motor cars. Come to a conclusion as to whether the motors can be good thing or bad thing in light of daily problems faced by the commuters in the capital city and elsewhere in Nepal.
20. You work for Aurora Holdings Plc, a large manufacturing company. In a recent board meeting, it was decided to review the company's staff benefits. At present they include only a company pension scheme and a subsidized canteen. The Human Resource director asks you to research the additional benefits that could be introduced. You should also recommend three benefits which you consider would be most welcomed by all the members of staff. Compile a formal report following the prescribed series of headings as discussed in your text of Communication for Business.

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**Bachelor in Computer Applications**      **Full Marks: 60**  
**Course Title: Microprocessor and Computer Architecture**      **Pass Marks: 24**  
**Code No: CACS 155**      **Time: 3 hours**  
**Semester: II**  
Candidates are required to answer the questions in their own words as far as possible.

## Group B

**Attempt any SIX questions.** [6\*5=30]

11. Explain the bus organization of 8085 microprocessor.
  12. Explain the opcode fetch machine cycle for MVI A, 32H with timing diagram.
  13. Explain 8085 instruction addressing mode with example.
  14. Explain the memory hierarchy with diagram.
  15. Explain the organization of Microprogrammed Control Unit.
  16. Define control word. Explain the procedure for generating control word for specific operation.
  17. Define instruction pipeline. Explain the four-segment instruction pipeline with example.

## Group C

**Attempt any TWO questions.** [2\*10=20]

18. Explain the functional block of 8085 microprocessor.
  19. Explain the design and control logic of Accumulator.
  20. Explain the different data transfer and manipulation instruction with example.

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