

BCA, 2nd Semester

Subject: CAAC 152: Financial Accounting

Time: 3hrs.

SET A

F.M.: 60

P.M.: 24

[6XS=30]

Candidates are required to answer the questions in their own words as far as possible. Figure in the margin indicates full marks.

Group B:

11. Define Financial Accounting. Briefly explain the objectives of Financial Accounting.
12. Who are the users of accounting information? Why do they need accounting information?
13. Differentiate between trade discount and cash discount.
14. The following transactions of National Traders are given below:

- | | |
|---------|---|
| June 1 | Sold goods to MK Stores, Patan
50 Table fans @ Rs. 700 each
80 Ceiling fans @ Rs. 500 each. Trade discount: @ 5% |
| June 5 | Sold goods to JK stores Bhaktapur
40 Table fans @ Rs. 650 each
25 Ceiling fans @ 550 each
Trade discount @ 10% |
| June 12 | Sold goods on cash to SS stores Putalisadak
60 Table fans @ Rs 725 each
50 Ceiling fans @ Rs. 450 each
Trade discount 10% and cash discount 5% |
| June 18 | Sold to JP stores, Thamel
2 Computer @ Rs. 30000 each |
| June 25 | Sold goods to RK stores Jamal
55 Table fans @ Rs. 700 each.
60 Ceiling fans @ Rs. 500 each. |

Required: Sales Book and Sales Account

15. The following information has been gathered for the purpose of preparing bank reconciliation statement of Butwal Traders. On June 30, 2021 Butwal Traders had a cash balance as per book Rs. 12,500. The bank statement shows the balance of Rs. 7,075. A comparison of the statement with the cash book and bank statement revealed the following facts.
 - a. The statement included a debit memo of Rs. 1,000 for the printing of additional company cheques.
 - b. Outstanding cheque at June 30, totaled Rs. 3,000.
 - c. A customer's cheque Rs. 4,000 was returned by the bank marked as NSF.
 - d. Dividend Rs. 2500 directly collected by the bank. The Bank charges a collection fee of Rs. 25.
 - e. A cheque Rs. 5,000 which was received from customer on June 20 and sent for collection but not included in bank statement on 30 June.
 - f. Cheque issue to suppliers Rs. 4,500 which was recorded in bank statement of Rs. 5,400.

Required: Prepare the bank reconciliation statement as of June 30, 2021.

16. Enter the following transactions in a triple column cash book.

- | | |
|---------|---|
| June 1 | Balance in hand Rs. 20,000 and overdraft balance at Bank Rs. 50,000 |
| June 2 | Deposited in to bank Rs. 10,000 |
| June 6 | Received cash from Mr. Shyam for good sold in May Rs. 30,000 |
| June 8 | Received two cheque from Ram each of Rs. 50,000. |
| June 10 | Purchase equipment on cash Rs. 15,000 |
| June 15 | One cheque received from Ram on June 8, endorsed to Hari in full settlement of Rs. 51000. |
| June 20 | Drew from the bank for personal expenses Rs. 5,000 and for office use Rs. 20,000 |
| June 25 | Cheque received from Ram on June 8 deposited into Bank. |
| June 27 | Deposited cheque which was received from Ram became dishonoured. |

[2X10 = 20]

Group C:

17. Define accounting. Explain briefly Generally Accepted Principles.
18. Godhuli Company was organized on June 1, 2024, by a group of experts to provide service for small businesses. The following transactions occurred during the first month of business.

June 2:	Received contributions of Rs. 200,000 from each of the three owners of the business in exchange for share of stock.
June 5:	Purchased equipment for Rs. 150,000. The agreement with the vendor requires a down payment of Rs. 50,000 and rest for sign 2 years promissory notes.
June 15:	Billed Rs. 75,000 to clients by providing services and the bills are payable within ten days.
June 20:	Paid salaries to the staff for the month Rs. 80,000.
June 23:	Received Rs. 70,000 from client in full settlement of previous bills.
June 28:	Received and paid gas, electric, and water bills. The total amount is Rs. 20,000.
June 29:	Received the landlord's bill for Rs. 50,000 for rent on the office space. The bill is payable by the 10 th month.

Required: Journal entries, T account and Trial balance.



INTERNATIONAL COLLEGE OF
ENGINEERING & MANAGEMENT
Mid-Term Examination - 2024(2081)

SET A

BCA, 2nd Semester

Subject: CACS 151: C Programming

Time: 3hrs.

F.M.: 60

P.M.: 24

Candidates are required to answer the questions in their own words as far as possible. Figure in the margin indicates full marks. [6X5=30]

Group B:

Attempt any SIX questions:

11. What is computer programming? Differentiate between top-down and bottom-up approaches of programming.
12. What are keywords? Explain the compiling process of C program.
13. Write a Program in C to print the entered number is odd or even.
14. What do you mean by program error? Explain its types.
15. Write a program in C to check entered year is a leap year or not.
16. What is software process model? Differentiate between cohesion and coupling in programming.
17. Write a program in C to check whether a person is eligible to cast vote or not.

Group C:

Attempt any TWO questions:

18. Define SDLC. Explain in details.
19. What are the characteristics of a good program. Explain any two systems design tools.
20. Write a program in C to ask three numbers and display the greatest number among them.

BCA, 2nd Semester

Subject: CAEN 151: English II

Time: 3hrs.

F.M.: -60

P.M.: 24

Candidates are required to answer the questions in their own words as far as possible. Figure in the margin indicates full marks.

[6X5=30]

Attempt any SIX questions:

11. What is business communication? Write Five Key Rule of Good Writing for 21st Century.
12. The IT club of your college is going to conduct Blood donation program, write a formal notice encouraging students to donate blood. Mention the date, time, venue, and certificate.
13. Distinguish science fiction from other general fiction. Explain the differences with a few examples.
14. Describe the huge land Ironclads used by the invaders. How does the scenario of the war change after their arrival? Explain.
15. The discovery of the room makes Ward and Rossiter powerful. How? (Billennium)
16. What is persuasive message? Point out the difference between Circular and Notice.
17. The IT club of your college is going to conduct a meeting. Write a notice of the meeting.

Group C:

Attempt any TWO questions:

[2X10=20]

18. Write a letter to the education officer in your municipality requesting him to make computer education compulsory from class three in the local schools.
19. The computers in your college library are not working properly. Check the condition of the computers and write a report to the college principal.
20. How does the curiosity in science lead to disaster for Professor Kelyin? Is it good to be that much curious? What would you do if you were on his shoes?

August 21

SET B

BCA, 2nd Semester

Subject: CAEN 151: English II

Time: 3hrs.

F.M.: 60

P.M.: 24

Candidates are required to answer the questions in their own words as far as possible. Figure in the margin indicates full marks.

Group B: Attempt any SIX questions:

[6X5=30]

11. How does "The Metal Man" express human desire for money and power? Justify.
12. What is persuasive message? Point out the difference between Circular and Notice.
13. Suppose your Arjun Bedi, Marketing Director of Cambridge Publication, Dariyaganj New Delhi. Reply the following email.

cambridgepublication@newdelhi.com

cc

bcc

Dear Marketing officer,

I am Anil Sharma, the Managing Director of Pathibhara Book and Distributors, Kathmandu. We have a distribution network all over Nepal. We are interested to distribute the new version of the Computer Dictionary in Nepal. You can see the details of our business organization on our website. If you are interested to do business with us, we can begin the negotiation concerning payment and commission.

I am looking forward to hearing from you soon.

Regards,

Anil Sharma

Managing Director

Pathibhara Books and Distributors

Website: pathibharabooks.com

14. What does the story claim by showing the machine obeying human order at the end of the story "Who can Replace a Man?"
15. What is memo? Why are lists and bullets used in memos?
16. How can you maintain accuracy in your business writing?
17. Point out the difference between fantasy and science fiction.

Group C:

Attempt any TWO questions:

[2X10=20]

18. If "The Land Ironclads" presents the war fought with weapons, "Burning Chrome" presents the war fought with the computer keyboard. Compare and contrast the wars presented in these two stories.
19. Your college is arranging a hackathon contest on coming Sunday. Draft an advertisement to be published in a national daily.
20. Write a letter to the education officer in your municipality requesting him to make computer education compulsory from class three in the local schools.

BCA, 2nd Semester

Subject: CAMT 154: Mathematics II

Time: 3hrs.

F.M.: 60

P.M.: 24

Candidates are required to answer the questions in their own words as far as possible. Figure in the margin indicates full marks. [6X5=30]

Group B:

Attempt any SIX questions:

11. (i) Evaluate: $\lim_{x \rightarrow 0} \frac{\sin 5x + 7x}{5x + 7x}$

(ii) $\lim_{x \rightarrow 0} \frac{a^x - b^x}{\sin x}$

12. Find the derivative of $f(x) = \sqrt{2x + 3}$ by using definition.

13. Find the equation of tangent and normal to the curve $y = 4 - x^2$ at $(-1, 3)$

14. Using L-Hospital's rule evaluate: $\lim_{x \rightarrow \infty} \frac{2x^2 + 3x}{1 + 5x^2}$

15. Verify the Rolle's theorem for the function $f(x) = x^2 - 4$ in the interval $[-3, 3]$

16. Find the maximum and minimum values for the function $f(x) = x^3 - 2x^2 - 4x - 1$. Also find point of inflection.

17. Find the interval on which the function $f(x) = x^2 + 2x - 5$ is increasing and decreasing. Also find the point of inflection.

[2X10=20]

Group C:

Attempt any TWO questions:

18. a) Determine where the curve $f(x) = 2x^3 - 15x^2 + 36x + 5$ are concave downwards and upwards.

b) Find $\frac{dy}{dx}$ of the implicit function $e^{xy} = xy$.

9. (a) Is the function $\frac{x^2 - 3x - 10}{x + 2}$ continuous or discontinuous? If discontinuous then how can we make it continuous?

(b) Find the derivative of $\log(5 - 2x)$ by first principle.

a) State Rolle's theorem and interpret it geometrically. Find the value of c by using Mean Value Theorem of $f(x) = x^3 + 3x^2$ in $[-5, 1]$.

BCA, 2nd Semester

Subject: CACS 155: Microprocessor and Computer Architecture

Time: 3hrs.

F.M.: 60

P.M.: 24

Candidates are required to answer the questions in their own words as far as possible. Figure in the margin indicates full marks.

Group B:

Attempt any SIX questions.

[6X5=30]

11. Write history of microprocessor. Explain the Bus organization of microprocessor (2+3)
12. Differentiate microprocessor and microcontroller. Explain flag register with diagram. (2+3)
13. Explain the classification of instructions of 8085 with example (5)
14. Explain the instruction and data format of 8085 with example (5)
15. Write a program to add two 8 bits number with comments from location 2001H and 2002H and store the result in 2003H.
16. Differentiate Computer Organization vs Architecture. (5)
17. Write Short Notes on (Any TWO): [2.5+2.5=5]
 - a) Cache Memory
 - b) Indirect Address
 - c) Features of 8086

Group C:

Attempt any TWO questions:

[2X10=20]

18. Define software delay. Explain the pin diagram of 8086 with its diagram (1+9)
19. Explain the working of internal architecture of 8085 with its diagram. (10)
20. Define timing diagram. Draw timing diagrams for following instructions (1+9)
MOV D,A
LDA 2101H