



RAN-2411000902040002

First Year Bachelor of Computer Applications (Sem. - II) Examination September - 2025
MDC-202-02 : Organization Structure and Behaviour

Time: 2 Hours]

[Total Marks: 50

<p>सूचना : / Instructions</p> <p>(1) उपरोक्त दशविव विगतो उत्तरवही पर अवश्य लभवी. Fill up strictly the above details on your answer book.</p>	<p>Seat No.:</p> <table border="1"> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center;">Student's Signature</p> </div>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Q. 1. Solve the following MCQ (Any 5) (05)

1. Which of the following factors affect organizational behaviour?
 - a. Technology
 - b. People
 - c. Environment
 - d. All of the above
2. A manager consulted with all his workers on a matter and listened to their opinion. Which form of leadership is this?
 - a. Autocratic
 - b. Democratic
 - c. Free-rein
 - d. None of above
3. People perform better in their jobs when they are given supportive feedback, this comes under _____
 - a. Need for achievements
 - b. Need for power
 - c. Need for affiliation
 - d. None of above
4. Motivation based on force or fear is called
 - a. Extrinsic motivation
 - b. Intrinsic motivation
 - c. Positive motivation
 - d. Negative motivation
5. What are the three components of attitude?
 - a. Affective, Cognitive and Behavioral.
 - b. Emotional, Physical and Cognitive.
 - c. Positive, Negative and Neutral.
 - d. None of above
6. _____ is a business practice in which a company hires another company or individual to perform task ;
 - a. Subcontracting
 - b. Outsourcing
 - c. Consulting
 - d. Manufacturing
7. Which of the following is a factor that can influence attitude formation?
 - a. Age
 - b. Height
 - c. Experience
 - d. None of above

Q. 1. B. Answer the following in brief, (One line /One word) (05)

1. What is management
2. List out various factors responsible in Attitude formation.
3. What is motivation?
4. What is BPO?
5. List Functions of leader

- Q. 2. A. Answer the following** (10)
1. Write a short note on Managerial Skills
 2. Define Attitude, write a short note on Characteristic of Attitude
- OR**
1. Write a short note on Manager's role.
 2. Write a short note on Attitude

- Q. 2. B. Answer the following** (06)
1. Write a short note on organisational structure
 2. Explain Attitudes are learnt
- OR**
1. Write a short note on scope of management
 2. Explain attitude is a positive or negative evaluation of an Object.

- Q. 3. A. Answer the following** (10)
1. Write a short note on Importance of Motivation.
 2. Write a short note on Autocratic or Authoritarian Leadership Style.
- OR**
1. Explain benefits of motivation
 2. Write a short note on Democratic or Participative Leadership Style

- Q. 3. B. Answer the following** (06)
1. What is motivation? Also explain its types.
 2. Write a short note on Leadership Skills
- OR**
1. What are Characteristics of Motivation? Explain in detail
 2. Write a short note on characteristics of leadership.

- Q. 4. A. Answer the following** (05)
1. What is BPO? How does BPO works?
- OR**
1. What is outsourcing? What are the advantages & disadvantages of outsourcing?

- Q. 4. B. Answer the following** (03)
1. Write a short note on how call center works.
- OR**
1. What are the services offered by BPO?



RAN-2411000902011001 / 2411000902010011

First Year Bachelor of Computer Applications (Sem. - II) Examination September - 2025
Major - 1 - 204 : Programming Skills

Time: 1 Hour]

[Total Marks: 25

<p>सूचना : / Instructions</p> <p>(1) उपरोक्त दशविव विगतो उत्तरवही पर अवश्य लभवी. Fill up strictly the above details on your answer book.</p> <p>(2) All questions are compulsory.</p> <p>(3) Figure to the right indicate full marks.</p> <p>(4) Mention your options clearly.</p>	<p>Seat No.:</p> <table border="1"> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table> <div style="border: 1px solid black; height: 80px; width: 100%; margin-top: 10px;"></div> <p style="text-align: center;">Student's Signature</p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Q. 1. Answer any 5 multiple choice question (05)

- Which loop structure is commonly used to traverse all elements of a 2D array?
 - Single for loop
 - Nested for loops
 - Single while loop
 - do-while loop
- Which of the following is not a difference between a structure and a union?
 - In structure, memory allocated to each member separately whereas in union, memory allocated to the member with highest size.
 - In structure, all members can be accessed at the same time, while in union only one member can be accessed at a time.
 - Structures are faster than unions in memory access.
 - Unions are used for memory optimization, while structures are not.
- Which of the following statements is correct about Python code structure?
 - Python uses braces {} to define code blocks.
 - Python uses indentation to define code blocks.
 - Python does not require indentation.
 - Python uses end statements to terminate blocks.
- What is the correct way to define a function in Python?
 - function my_function():
 - def my_function:
 - define my_function():
 - def my_function():
- What will be the output of the following code?


```
str1 = "Hi"
print(str1 * 3)
```

 - HiHiHi
 - Hi 3
 - Hi*3
 - Error
- What will be the output of the following code?


```
1st = [10, 20, 30,40, 50]
print(1st[1:4])
```

 - [10, 20, 30,40]
 - [20, 30, 40, 50]
 - [20, 30, 40]
 - [30, 40, 50]
- In Python, which of the following operation is not allowed on a tuple?
 - Accessing an element using an index
 - Concatenating two tuples
 - Deleting an element from a tuple
 - Iterating through a tuple

- Q. 2. A.** Explain structure and union with example. (04)
OR
- A.** Explain different categories of User Defined Functions in C with example. (04)
- B.** Explain python data types in detail. (04)
OR
- B.** How to create user defined function in python and how to pass values to function. (04)
- Q. 3. A.** Explain python string and its methods with example. (04)
OR
- A.** Explain python arithmetic, identity and member operators with example. (04)
- B.** Explain for loop with break, range, and pass statement with example. (04)
OR
- B.** Explain LIST in python and its methods with example. (04)
- Q. 4.** Differentiate between set and tuple. Explain any two methods of set with example. (04)
OR
- Explain NUMPY with its methods. (04)
-

Bachelor of Computer Applications (Sem. - II) (NCP-NEP) Examination September - 2025
MDC - Computerized Financial Accounting (Paper - I)

Time: 2 Hours]

[Total Marks: 50

<p>सूचना : / Instructions</p> <p>(1) उपरोक्त दशविल विगतो उत्तरवही पर अवश्य लખवी. Fill up strictly the above details on your answer book.</p> <p>(2) Sketch neat and labelled diagram wherever necessary.</p> <p>(3) Figures to the right indicate full marks of the question.</p> <p>(4) All questions are compulsory.</p>	<p>Seat No.:</p> <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table> <div style="border: 1px solid black; padding: 10px; margin-top: 10px; text-align: center;"> <p>Student's Signature</p> </div>						

(14)

Q. 1. Answer Any 7

1. What do you mean by Capital?
2. The accounting system used by small traders is known as
3. Classify the following account into Real, Personal and Nominal account.
(A) Capital (B) Discount paid
4. What is Ledger?
5. What is barter transaction?
6. What is Book keeping?
7. List down the method of Trial balance.
8. What is Trial balance?
9. State whether the following statement is true or false
A. Bank is Real Account
B. Goodwill Account is a personal Account.

Q. 2.

Write journal entry of business commenced by Shri Maulik Shah with a name of Shah Traders:

(12)

- 2025 April
1. Brought ₹50,000 cash, debtors ₹20,000, stock of goods ₹10,000 and creditors of ₹5,000 and commenced business.
 2. Deposited cash ₹20,000 with Vijaya Bank and opened account.
 3. Goods of ₹20,000 purchased from Sumul at 10% trade discount and 10% cash discount. Paid half amount by cheque
 4. A furniture of ₹15,000 purchased on credit from 'Punit Furniture Mart'. A carriage of ₹100 paid in cash.
 5. A defective goods of ₹3,000 returned to Sumul
 6. Withdrawn goods of ₹300 and cash ₹200 for personal use.
 7. Paid ₹500 for refreshment at inaugural function of shop
 8. ₹400 received for commission.
 9. Paid ₹500 for shop rent and ₹300 for house rent.
 10. A cheque of ₹800 received for brokerage.

OR

Q. 2. From the following transactions, prepare three columnar cash book of Namrata :

(11)

2025 August

- 1: Opening cash balance ₹7,000, opening bank balance ₹6,000.

- 3: Cash purchase ₹ 6,000; cash sales ₹ 7,000.
- 5: ₹ 3,000 is deposited in the bank.
- 6: As more funds are required in the business, a loan of ₹ 5,000 is taken from Prabhu bearing 8% interest rate.
- 8: Goods of ₹ 3,000 sold to Mansi at 10% cash discount, Mansi issued a cheque of the necessary amount, which is deposited in the bank.
- 10: Goods of ₹ 7,000 purchased from Dvij and 50% of the amount is immediately paid by cash.
- 12: Salary of ₹ 3,000, wages of ₹ 500 and stationery of ₹ 200 are paid by cheque.
- 14: Commission of ₹ 1,000 and brokerage of ₹ 500 received by cash.
- 16: Bank credited interest ₹ 100 on balance in Namrata's bank.
- 17: ₹ 2000 withdrawn from the bank for the payment of the electricity bill.
- 20: ₹ 1,000 paid for the electricity bill and remaining ₹ 1,000 is taken for personal use from the business.
- 22: Goods of ₹ 5,000 sold to Parth, he issued a cheque of the necessary amount after deducting cash discount at the rate of 10%, which is immediately deposited in the bank.
- 25: Cheque issued by Parth is dishonoured.
- 28: Cheque of ₹ 6,050 is issued to Bansari towards an old debt. Total debt was of ₹ 6,100.
- 29: Gopi has paid ₹ 2,000 by cash in full settlement of the debt ₹ 2,040.
- 31: After keeping cash on hand of ₹ 5,000, remaining amount is deposited in the bank.

Q. 3. Prepare Purchase Book, Sales Book, Purchase Returns Book and Sales Returns Book in the books of P. K. Stores from the following transactions: (12)
2025 April.

1. Purchased goods of ₹ 30,000 from Ramanuj at 10% trade discount. Bill no. 120.
4. Purchased goods of ₹ 12,000 from Nirmi at 10% cash discount. Credit period 1 month. Bill no. 350.
6. Sold goods of ₹ 15,000 to Suresh at 5% trade discount and 3% cash discount under Bill no. 350.
11. Purchased goods of ₹ 10,000. Cash Memo no. 58.
15. Suresh returned goods of ₹ 3,000. Credit note no. 20 sent to Suresh.
17. 40% goods returned to Nirmi and debit note no. 17 sent.
19. Purchased furniture of ₹ 7,000 from Shree Saraswati Furniture Mart.
20. Purchased goods of ₹ 90,000 from Aunty. Half of the amount paid immediately.
21. All the goods purchased from Aunty sold to Bala for ₹ 1,08,000. Credit one month. Trade discount 10%. Bill no. 360.
23. Bala returned half of the goods which was sent to Aunty.
24. Karan placed an order for ₹ 30,000 at 10% trade discount for supply of goods.
25. Goods sent to Karan as per order. ₹ 500 added for carriage under bill no. 365.
26. Cash purchase ₹ 16,000 and cash sales ₹ 20,000.
27. Returned goods to Sweety of ₹ 10,000 which was purchased in October and sent debit note no. 20.
30. Karan returned half of the goods and proportionate amount of carriage was given credit.

OR

Q. 3. From the following transactions, prepare petty cash book of Jigar: (12)
2025

- Oct. - 1. Opening petty cash balance of ₹ 4,000.
1. Amount received from the chief cashier ₹ 1,000.

3. Wages of ₹ 600 and carriage of ₹ 400 are paid
5. ₹ 700 paid for postage and postal stamps expenses
8. ₹ 200 paid for wages.
10. ₹ 400 paid for stationery expenses.
12. ₹ 150 paid for Tea and Refreshment expenses.
14. ₹ 500 received from the chief cashier.
15. Misc. expenses paid ₹ 500.
17. ₹ 400 given to Mishal for the payment of misc. expenses.

Q. 4. Write short notes on (Any Two)

(12)

1. Branches of Accounting
2. Accounting Equations
3. Disadvantage of Single-Entry system.

EXAMINATION SEPTEMBER - 2025
BACHELOR OF COMPUTER APPLICATION (SEM - 2)
SUBJECT- VAC - VALUE EDUCATION IN BHARTIYA KNOWLEDGE SYSTEM

Paper Code:

Date: / /2025

Total Marks: 25

Time: 1 Hour

પ્રશ્ન - ૧ નીચે આપેલા વૈકલ્પિક પ્રશ્નોના ઉત્તર આપો. (કોઈપણ પાંચ).

(10)

Answer the following multiple-choice questions. (any five).

(૧). 'સત્યકામ: સત્યનો શોધક' વાર્તામાં કયા સત્યની વાત કરવામાં આવી છે?

In the story 'Satyakam: The Seeker of Truth,' which truth is being discussed?

- બ્રહ્મ સત્ય. Braham is truth

- જગત સત્ય. The world is truth

- પંચમહાભૂત સત્ય. The five great elements are truth

- જ્ઞાનેન્દ્રિયોનું સત્ય. The truth of the sense organs

(૨). ઉદાલક અને શ્વેતકેતુનો સંવાદ કઈ વાર્તામાં આવે છે?

In which story does the dialogue between Uddalaka and Shvetaketu appear?

- ન્હાવાનું ગંદ પાણી વાર્તા. Dirty Bath Water

- ભુરા શિયાળની વાર્તા. The story of the blue jackal

- બ્રાહ્મણ અને ઠગોની વાર્તા. The story of the Brahmin and the crooks

- શ્વેતકેતુ. The story of the Shwet ketu

(૩). 'ન્હાવાનું ગંદ પાણી' વાર્તા કયા ગ્રંથમાંથી લેવામાં આવી છે?

- જાતક કથામાંથી. From the Jataka katha

- રામાયણમાંથી. From the Ramayana

- મહાભારતમાંથી. From the Mahabharata

- પંચતંત્રમાંથી. From the Panchtantra

(૪). 'નાનો પ્રિન્સ નો-ફાધર' વાર્તાનો બોધ પાઠ જણાવો.

Describe the moral of the story 'Little Prince No-Father'

- અસત્યની જીત થાય છે. Falsehood triumphs

- સત્યની જીત થાય છે. Truth triumphs

- સત્ય અને અસત્ય બંનેની જીત થાય છે. Both truth and falsehood triumph

- અધર્મીઓ સુખી હોય છે. The unrighteous are happy

(૫). 'અહિંસા' એટલે શું? What is 'Ahinsa'?

- તમામ જીવો પ્રત્યે નફરત. Hatred towards all living beings

- તમામ જીવો પ્રત્યે નફરત અને કરુણા.

Hatred and compassion towards all living beings.

- તમામ જીવો પ્રત્યે કરુણા. Compassion towards all living beings

- તમામ જીવો પ્રત્યે નિર્દયતા. Cruelty towards all living beings

(૬). શૌચ' એટલે શું? What is Shouch?

- શરીરનું સુખ વધારવું. Enhancing physical well-being

- તાપમાં તપવું. To endure heat

- શરીરની આંતરિક અને બાહ્ય શુદ્ધતા.

Internal and external purity of the body.

- કસરત કરવી. To exercise

(૭). સ્વાધ્યાય એટલે શું? What is Swadhyay?

- 'સ્વ'નું અધ્યયન. Study of the self

- વ્યક્તિએ પોતાના તમામ કર્મો માતા-પિતાને અર્પણ કરવા.

A person should dedicate all their actions to their parents.

- કોઈ કાર્ય ન કરવું. To do nothing.

- પોતાના કાર્યો જગતને અર્પણ કરવા

To dedicate one's actions to the world.

પ્રશ્ન - ૨ (ક) નીચેનામાંથી કોઈપણ એક પ્રશ્નનો સવિસ્તાર ઉત્તર લખો.

(5)

Write a detailed answer to any one of the following questions.

૧. ભૂરા શિયાળની વાર્તાનું ટૂંકમાં વર્ણન કરી તેમાંથી મળતા બોધપાઠને વર્ણવો.

Briefly describe 'The Story of the Blue Jackal' and explain the moral derived from it.

૨. 'ઢાલાનું ગંદ પાણી' વાર્તાનું ટૂંકમાં વર્ણન કરી તેમાંથી મળતા બોધપાઠને વર્ણવો.

Briefly summarize the story of 'Dirty Bath Water' and describe its moral.

પ્રશ્ન - ૨ (ખ) નીચેનામાંથી કોઈપણ એક પ્રશ્નનો સવિસ્તાર ઉત્તર લખો.

(5)

Write a detailed answer to any one of the following questions.

૧. પાંચ યમનું વિગતે વર્ણન કરો. Describe the five Yamas in detail.

૨. પાંચ નિયમનું વિગતે વર્ણન કરો. Describe the five Niyamas in detail.

પ્રશ્ન - ૨ (ગ) નીચેનામાંથી કોઈપણ એક સુભાષિતનો અનુવાદ કરી સવિસ્તાર સમજાવો

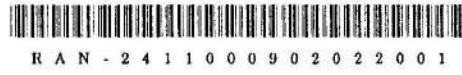
(5)

Translate any one of the following SUBHASHIT and explain it in detail.

૧. અસતો મા સદ્ગમય। તમસો મા જ્યોતિર્ગમય। મૃત્યોર્મામૃતં ગમય।।

૨. અપિ સ્વર્ગમયી લંકા ન મે લક્ષ્મણ રોધતે ।

जननी जन्मभूमिश्च स्वर्गादपि गरीयसी



RAN-2411000902022001 / 2411000902020021

First Year Bachelor of Computer Applications (NCF-NEP) (Sem. - II)

Examination October - 2025

Major-2-205 : Concepts of Relational Database Management Systems (TH)

Time: 1 Hour]

[Total Marks: 25

<p>સૂચના : / Instructions</p> <p>(1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.</p>	<p>Seat No.:</p> <table border="1"> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </table> <div style="border: 1px solid black; height: 80px; width: 100%; margin-top: 10px;"></div> <p style="text-align: center;">Student's Signature</p>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Q. 1. Answer following : (Any Five) (05)

1. Which operation in relational algebra select stuples based on a condition?
 - a) Project
 - b) Select
 - c) Union
 - d) Rename
2. Which of the following is a characteristic of Codd's 11th rule?
 - a) Information should be stored in tables
 - b) Every operation must be reversible
 - c) Data representation should be independent of storage
 - d) No two relations should share an attribute
3. What is the effect of the "ROLLBACK" command in a transaction?
 - a) It saves changes to the database
 - b) It undoes all changes since the last COMMIT
 - c) It begins a new transaction
 - d) It temporarily suspends a transaction
4. Which of the following is a correct Data Control Language command?
 - a) SELECT
 - b) DELETE
 - c) GRANT
 - d) UPDATE
5. Which operation does "Rename" perform in relational algebra?
 - a) It renames the attributes of a relation
 - b) It joins two relations
 - c) It filters data from a relation
 - d) It changes the structure of a relation
6. Which SQL join will combine all rows from both tables, even if there is no match?
 - a) Full Outer Join
 - b) Cross Join
 - c) Inner Join
 - d) Left Join
7. Which of the following functions returns the current date and time?
 - a) SYSDATE
 - b) ADD_MONTHS
 - c) NEXT_DAY
 - d) ROUND
8. The "ROWID" pseudo column in SQL is used to:
 - a) Identify unique rows in a table
 - b) Return the row's position in the table
 - c) Specify the data type of a column
 - d) Retrieve specific rows by index

Q. 2. A. Discuss the concept of relational operations and explain how they are applied in database queries. Provide examples of select, project, and union operations. (04)

OR

A. Explain Codd's Rules and how they contribute to the definition of a relational database. Discuss any five rules in detail.

B. What is the purpose of Transaction Control Language (TCL)? Explain the commands COMMIT, SAVEPOINT and ROLLBACK with examples. (04)

OR

B. What is the significance of Data Control Language (DCL) in managing database security? Explain the GRANT and REVOKE commands with examples.

Q. 3. A. Explain the various data types in SQL. How does each data type differ in terms of storage and usage? Provide examples. (04)

OR

A. What is the use of the ROWID pseudo column and the DUAL table in SQL queries? Explain with examples.

B. Explain the EXIT and CONTINUE commands used within loops in PL/SQL with examples. (04)

OR

B. Explain how conditional statements work in PL/SQL. Provide an example for an "IF...Else" structure.

Q. 4. Answer Following (Any One) (04)

A. What are Implicit and Explicit cursors in PL/SQL? Discuss their differences with examples.

B. Describe the use of "CASE" statements in PL/SQL. Provide an example of a nested CASE statement.

C. Discuss the different types of iterative statements available in PL/SQL. Provide an example for the "For Loop" and the "While Loop".