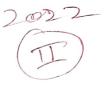
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BCA SEM II 21-22 Question Papers





Total No: of Questions: 6

Total No: of pages: 5

B.C.A. Semester End Examination

Cost Accounting

Semester: II

Duration: 2 Hrs.	Maximum Marks: 60
Instructions:	Contri Goppo
1) All questions are compulsory.	Dharbandus God 1202
2) Figures to the right indicate maximum marks.	1 3 JUN 2022
3) Start each new question in a fresh page.	. 5 BUN 7027
	Examination
Q.1	the same and the s
A) Answer the following questions	(1x5=5)
a) deals with the ascertainment	of cost of product or service.
b) A unit of quantity of product, service or tin	ne in relation to which costs may be ascertained
or expressed as	
c) consists of wages paid to l	abour which convert raw materials into some
finished output.	•
d)are those materials which	can be identified in the product and can be
conveniently measured and directly charge	ed to the product.
e) When costing information is set out in the	form of a statement, it is called
	•
B) Answer the following questions	(1x5=5)
a) Objectives of Material control	
b) Merrick differential plan	
c) Objectives of Cost accounting	
d) Taylors differential plan	
e) Straight Piece rate	
Q.2 A. Following information has been obtained	I from the records of Beta Ltd for 2014, Calcula

Prime Cost, Factory Cost, Cost of Production, Cost of Sales and profit

Rs.

(10)

O.O was an arrange and a supply to the su	300
Office Stationery	500
Lighting: Factory	1,500
Telephone Charges	125
Postage	
Telegrams	500
Storekeeper's wages	250
Salesmen's salary	1,000
Oil and water	1,250
Travelling expenses	500
Rent: Factory	500
Advertising	5,000
Office	1,250
Warehouse charges	2,500
Sales	500
Factory plant	1,89,500
Carriage outward	3,500
Transfer to Reserves	375
Dividend	1,000
Discount on shares written off	2,000
Depreciation: Factory Plant	500
Office Premises	500
ş	1,250
OR	
Q.2 B Calculate the earnings of worker A, B and C under Differential piece rate system.	straight piece rate system and Merric

1,00,000

2,500

30,000

5,000

2,500

1,250

500

(10)

Direct Materials

Direct Wages

Consumable stores

Manager's Salary

Wages of Foreman

Directors' fees

Electric power

Normal rate per hour Rs.2.4
Standard time per unit 1 minute
Output per day is as follows:
Worker A-758 units, Worker B-900 units, and Worker C-1100 units.
Working hours per day are 8.
Q.3 A. Prepare a stores ledger account from the following transactions under the FIFO method
Jan
1 Received 1000 units @ Rs.1 per unit
10 Received 260 units @Rs.1.5 per unit
20 Issued 700 units
21 Received 400 units @ Rs.1.15 per unit
22 Received 300 units @ Rs.1.25 per unit
23 Issued 620 units
24 Issued 240 units
25 Received 500 units @ Rs.1.10 per unit
26 Issued 380 units
OR ,
Q3.B. A. Prepare a stores ledger account from the following transactions under the weighted average method
Feb 1 Opening balance 300 units @20 per unit
Feb 5 Purchase 200 units @ 22
Feb 11 Issue 150 units
Feb 22 Purchases 200 units @23

Feb 24 Issue 150 units			
Feb 28 Issue 200			
Shortage 5			
Q.4 A Two components A and B are as follows: Normal usage Minimum usage	80 units per week each 50 units per week each		
Maximum usage	100 units per week		
Reorder quantity A	A: 600 units B: 800 units		
Re-order period	A: 4 to 6 weeks B: 2 to 4 weeks		
Maximum lead time for emergency purchases	A: 2 week B: 4 weeks		
Calculate for each component:			
(a)Reorder level (b) Minimum level (c) Maximum level (d) Average stock level and (e) Danger level			
· OR			
Q.4 B. Explain the material procurement procedure	(10)		
Q.5 A. Explain any five incentive plans	(10)		
OR			
Q5 B. What is Labor Turnover? Explain its causes	(10)		
Q.6.A. Write Short Notes	(5x2=10)		
a) Time bookingb) Importance of cost accounting			

Q.6.B. Write Short Notes

(5x2=10)

a) Halsey & Rowan Plan

b) Requirements of good time keeping system



Total No. of Questions: 06

Total No: of pages: 02

B.C.A. SEMESTER END EXAMINATION, JUNE 2022 OPERATING SYSTEM CONCEPTS (CAC-106) SEMESTER II

JUN 2022

-1101

SEMESTER	Total Marks: 60
Duration: 2 hours i) All questions are compulsory. ii) Figures to the right indicate full marks.	
Q.1. A. Fill in the blanks with appropriate word(s):	(5x1=05)
 is the only large storage area that the processor can policy determines where in real memory a process. The lines provide a path for moving data among system. A new process is created by the system call. A system is similar to a paging system with swapping in secondary memory. Q.1.B. State whether the following is True or False:	ems modules.
 Magnetic disk provides storage for both programs and data. As a process executes, it changes its state. Swapping is known as a technique for memory fragmentation. A process is thrashing if it is spending less time paging than execution. Indexed files uses multiple indexes for different key fields. 	uting.
Q.2. Answer the following:A. What is the use of device controller and device driver?B. What are the ways by which deadlocks could be handled?C. State the CPU scheduling criteria.	(02 (03 (05
Q.3. Answer the following: A. Define thrashing.	(02 P.T.O.

B. Explain the following terms:	(03)
a) Critical Section b) Deadlock C. Write a note on Dispatcher.	(05)
Q.4. Answer the following:	degree
A. If the size of physical memory is 64 MB with each partition having 8MB, mention the	(02)
multiprogramming.	(02)
B. Mention the difference between Asymmetric and Symmetric Multiprocessors.	(03)
C. Write a note on Deadlock Prevention.	(05)
Q.5. Answer the following:	
A. State the use of the following terms:	(02)
a) Address lines b) Control lines	, ,
B. Explain the concept of Proportional frame allocation with example.	(03)
C. Write a note on semaphore.	(05)
Q.6. Answer the following:	(02)
A. Mention any two File Access Rights.	
B. Write a short note on the Samue C. 1777	(02)
B. Write a short note on the Sequential File Organization.	(03)
C. Consider the page references 7, 0, 1, 2, 0, 3, 0, 4, 2, 3, 0, 3, 2, with 4 frames.	(03)
Find the number of page faults using Optimal Page Replacement Algorithm.	(05)



Total No. of Questions: 06

Total No: of pages:03

B.C.A. Semester End Examination

Data Structures (CC-201) Semester No: II

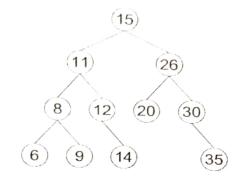
Semester No: 11 <u>CBCS</u>	
Duration: 2 Hrs.	Maximum Marks: 60
Instructions: 1. All questions are compulsory. 2. Figures to the right indicate full marks.	
Q.1.A) Complete the statements by using appropriate word(s)	(5x1=05)
The term Push and Pop is related to	
a. Queue	
b. Stack	
c. Both	
d. None	
2. An array is a collection of	
a. different data types scattered throughout memo	ory

- 1 the same data time continued throughout moments
- b. the same data type scattered throughout memory
- c. the same data type placed next to each other in memory
- d. different data types placed next to each other in memory
- 3. Which of the following is a non linear data structure?
 - a. Array
 - b. Queue
 - c. Binary Trees
 - d. Stacks

4. A queue follows	
a. LIFO principle	
b. FIFO principle	
c. Linear tree	
d. Ordered array	
d. Ordered array 5. Insertion and Deletion operation in Queue is known as?	
a) Push and Pop	
b) Enqueue and Dequeue	
c) Insert and Delete	
d) None	
	(5x1=05)
B) Define the following	
1. Data structure	
2. Space Complexity	
3. Stack	
4. Doubly linked list	
5. Circular queue	
Q.2. A) List and explain any two advantages of linked list	(02)
B) Sort the given numbers using <u>ANY ONE</u> of the following techniques	(03)
7348962	
a. Insertion Sort	
b. Selection Sort	
c. Bubble Sort	
C) Write an algorithm to perform push and pop operation on stack.	(05)
Q.3 A) List any two properties of array	(02)
B) Write a note on Binary tree	(03)
C) Sort the given numbers using ANY ONE of the following techniques	(05)
5237481	
a. Quick Sort	
b. Heap Sort	
c. Shell Sort	

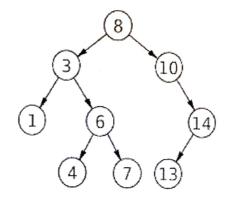
Q.4.A) List various types of linked lists. (02)

- B) State and briefly explain any two operations on linear list. (03)
- C) Demonstrate three types of traversal on given binary tree (05)



Q.5. A) Write an algorithm for adding element at start of linked list. (02)

B) Demonstrate insert and delete operations on a given binary search tree. (03)



- a) Insert 2, 9
- b) Delete 14, 6

C) Explain various terminologies associated with tree data structure. (05)

Q.6. A) Mention any two applications of queue (02)

- B) Convert the expression (A+B/C*(D+E)-F) into postfix expression. (03)
- C) Explain the working of Queue with an example. (05)

BCA Semester End Examination BCA 203 Applied Mathematics

Semester II

Duration: 2Hrs. Instructions:

Questions 1 6 are compulsory

- Figures to right indicate full marks
- Use of non-programmable calculators are allowed

Maximum Marles: 60

OHA. Fill in the blanks:

B. Fill in the blanks:

- a) Base for hexadecimal number system is
- b) Negation of "p; n is a prime number" is
- c) The symbol for NOT gate is
- **d)** If $C = \{2,4,6,8\} \& D = \{2,3,5,6\}$ then C = D is
- e) The total number of outcomes when a dice is rolled is

(5x1-5)

- a) In how many different ways one can arrange the letters of the word PLAYGROUND
- The number of digits in octal number system is
- e) Inverse of f(x) = 2x 7 is
- **d)** Let $A = \{p, q, r, s\}$ and $B = \{3, 5, 7\}$ then $A \times B =$ ______
- e) The converse of the statement "if it is raining, the grass is wet" is

O21 Answer the following questions.

a) If
$$f(x) = x^2 - 5x + 6$$
 then find $f(x+3)$. (2)

b) Find the term independent of x in the expansion of
$$\left(2x - \frac{1}{x^d}\right)^6$$
. (3)

c) Prove that
$$[(p \to q) \land (q \to r)] \to (p \to q)$$
 is a fautology. (5)

OR

d) Find truth values for

(i)
$$p \wedge [\sim (p \vee q)]$$

(ii)
$$(p \to q) \leftrightarrow (\sim p \lor q)$$
 (5)

Q3| Answer the following questions

a) If $X = \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$ is the universal set. Let $A = \{2, 4, 6, 8\} \& B = \{2, 3, 5, 7\}$

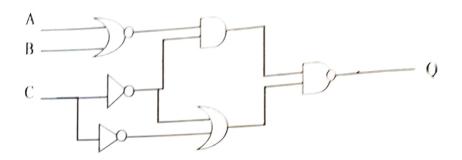
Verify
$$(A \cup B)^{C} = A^{C} \cap B^{C}$$
.

......

P.T.O

b) Convert the decimal fraction (643.25)10 to binary fraction.

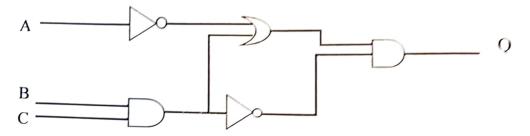
c) Find the output from the following circuit diagram



OR

d) Find the output from the following circuit diagram.





Q4] Answer the following questions.

a) A function is given as follows:

$$f(x) = \begin{cases} 3x + 5 & for - 3 \le x < -1\\ 2x + 1 & for - 1 \le x < 2\\ 2 - x & for 2 \le x \le 4 \end{cases}$$

- State domain of f (i)
- Find f(-1) and f(3). (ii)

(2)

b) Let $A = \{x | x < 4, x \in \mathbb{N}\}$. A relation R on the set A is given by $R=\{(1,1), (1,2), (2,1), (2,3), (3,2)\}$. Prove that R is symmetric relation but it is neither reflexive nor transitive

c) If $A = \{a, b, c, d\} \& B = \{b, d, e, f, g\}$ find

(3)

- (i) $(A \cap B) \times (A B)$
- (ii) $A \times (A B)$
- (iii) $(A-B) \cup (B-A)$

(5)

d) If $X = \{A, B, C, D, E, G, H, I, L, M, N, O, R, S, T, Y, Z\}$, $B = \{T, H, E, O, R, Y\} \& C = \{T, H, E, O, R, M, S\} \text{ then verify that}$ (i) $B - C = (B^C \cup C)^C$ (ii) Find $C \cap B$ (5)

Q5] Answer the following questions.

- a) Define symmetric, reflexive and transitive relation. (2)
- b) Write the truth table for NOR gate and draw its symbol. (3)
- c) Find n for the following:
 - (i) $4(^{n}P_{4}) = {^{n}P_{5}}$
 - (ii) ${}^{2n}P_3 = 60({}^{n}P_2)$ (5)

OR

- d) 9 cards are selected from a pack of cards. How many selections will contain
 - (i) Exactly 3 diamonds and 2 clubs
 - (ii) No diamond card
 - (iii) At least one diamond card (5)

Q6] Answer the following questions.

a) If
$$f(x) = 3x - 1 \& g(x) = x^2 + 1 \text{ find } f(g(x))$$
. (2)

- b) Convert (6438)₁₀ to its binary form and convert (654)₈ to its decimal equivalent. (3)
- c) Prove by mathematical induction that

$$1 + 3 + 6 + \dots + \frac{n(n+1)}{2} = \frac{n(n+1)(n+2)}{6}.$$
 (5)

OR

d) Prove by mathematical induction that $1+4+7+\cdots+(3n-2)=\frac{n(3n-1)}{2}$. (5)

Roll.No:

Questions: 3

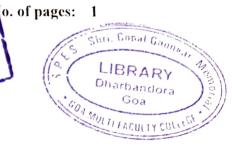


B.C.A Semester End Examination

ENVIRONMENTAL STUDIES-PI

Semester: II

CBCS



Duration: 1. Hr.

Maximum Marks: 30

<u>Instructions:</u> 1. Write each question on fresh page.

- 2. All questions are compulsory.
- 3. Figure to the right indicates full marks.

Q.1.A Answer following questions ANY-5

10 marks

- i. How MIC poses disaster to human health.
- ii. Explain the phenomena of green house effect with suitable examples of green house gases.
- iii. Explain in short about thermal pollution
- iv. What are the differences between the term Developed countries and Developing countries?
- v. Explain about any one scheme introduced by Indian Government for children
- vi. List any 4 adverse effect that tourism leaves behind on Environment
- vii. What is the fear of global warming if temperature rises by 3^oC?

Q.2.A Explain in brief about Industrial accident with suitable case study

5mks

OR

O.2.A Write a short note on HIV AIDS

5mks

Q.2. B How tourism are degrading the quality of environment. Explain with suitable case study

5mks

Q.3.A Why Climate is the most important factor affecting the distribution of population

5mks

OR

Q.3.A Write a short note on Air Pollution

5mks

Q.3.B Write a short note on Family Welfare programme

5mks



Total No. of Questions: 06



Total No: of pages: 02

B.C.A. SEMESTER END EXAMIN OPERATING SYSTEM CONG

	OPERATING SYSTEM CONCEPTS (C SEMESTER II	CAC-100)
Duration: 2 ho		Total Marks: 60
) All questions are compulsory.	
	ii) Figures to the right indicate full marks.	
Q.1. A. Fill in	the blanks with appropriate word(s):	(5x1=05)
	is the only large storage area that the proc	
	policy determines where in real men	
3. The	lines provide a path for moving data amo	ong systems modules.
4. A new	process is created by thesystem call	
5. A	system is similar to a paging system w	rith swapping where processes reside
in seco	ondary memory	
Q.1.B. State	whether the following is True or False:	(5x1=05)
1. Magne	etic disk provides storage for both programs and da	ita.
2. As a p	rocess executes, it changes its state.	
3. Swapp	oing is known as a technique for memory fragment	ation.
4. A pro	cess is thrashing if it is spending less time paging t	han executing.
5. Indexe	ed files uses multiple indexes for different key field	ds.
Q.2. Answer	the following:	
A. What	is the use of device controller and device driver?	(02)
B. What	are the ways by which deadlocks could be handle	d? (03)
C. State 1	he CPU scheduling criteria.	(05)
Q.3. Answer	the following:	
A. Define	e thrashing.	(02

	(03)
B. Explain the following terms: a) Critical Section b) Deadlock C. Write a note on Dispatcher.	(05)
Q.4. Answer the following: A. If the size of physical memory is 64 MB with each partition having 8MB, mention the size of physical memory is 64 MB with each partition having 8MB.	he degree of
multiprogramming. B. Mention the difference between Asymmetric and Symmetric Multiprocessors.	(0 3)
C. Write a note on Deadlock Prevention.	(05)
Q.5. Answer the following:	(02)
A. State the use of the following terms:	(02)
a) Address lines b) Control lines	40.0
B. Explain the concept of Proportional frame allocation with example.	(03)
C. Write a note on semaphore.	(05)
Q.6. Answer the following:	
A. Mention any two File Access Rights.	(02)
B. Write a short note on the Sequential File Organization.	(03)
C. Consider the page references 7, 0, 1, 2, 0, 3, 0, 4, 2, 3, 0, 3, 2, with 4 frames.	
Find the number of page faults using Optimal Page Replacement Algorithm.	(05)





Total No. of Questions: 06

Total No: of pages: 02

B.C.A. SEMESTER END EXAMINATION, JUNE 2022 OPERATING SYSTEM CONCEPTS (CAC-106) SEMESTER II

Duration: 2		Total Marks: 60
Instructions:	i) All questions are compulsory.	
	ii) Figures to the right indicate full marks.	
Q.1. A. Fill i	n the blanks with appropriate word(s):	(5x1=05)
1	is the only large storage area that the proces	ssor can access directly.
2. The _	policy determines where in real memo	ory a process piece is to reside.
3. The _	lines provide a path for moving data among	g systems modules.
4. A nev	process is created by thesystem call.	
5. A	system is similar to a paging system with	swapping where processes reside
	ondary memory	
Q.1.B. State	whether the following is True or False:	(5x1=05)
1. Magno	etic disk provides storage for both programs and data.	
2. As a p	rocess executes, it changes its state.	
3. Swapp	ing is known as a technique for memory fragmentation	1.
4. A proc	ess is thrashing if it is spending less time paging than o	executing.
5. Indexe	d files uses multiple indexes for different key fields.	
.2. Answer t	he following:	
A. What is	s the use of device controller and device driver?	(02)
B. What ar	e the ways by which deadlocks could be handled?	(03)
C. State the	e CPU scheduling criteria.	(05)
3. Answer th	e following:	
A. Define th	nrashing.	(02)
		P.T.O.

a) Critical Section	b) Deadlock	
C. Write a note on Dispatch	er.	(65)
Q.4. Answer the following:		
 If the size of physical mem 	ory is 64 MB with each partition having 8MB, mention th	ie degree of
multiprogramming.		(02)
 Mention the difference bets 	ween Asymmetric and Symmetric Multiprocessors.	(03)
C. Write a note on Deadlock F	Prevention.	(05)
Q.5. Answer the following:		
A. State the use of the following	g terms:	
a) Address lines	b) Control lines	(02)
B. Explain the concept of Proportion	ortional frame allocation with example.	
C. Write a note on semaphore.	mocation with example.	(03)
06.4		(05)
Q.6. Answer the following:		
 A. Mention any two File Access 		
B. Write a short note on the Sequ	uential File Organization	(02)
C. Consider the page references	7, 0, 1, 2, 0, 3, 0, 4, 2, 3, 0, 2, 2,	(03)
Find the number of page fault	s using Optimal Page Replacement Algorithm.	
. •	Spennar rage Keplacement Algorithm.	(05)

B. Explain the following terms:

Total No. of Questions: 06



Total No: of pages: 02

B.C.A. SEMESTER END EXAMINATION, JUNE 2022 OPERATING SYSTEM CONCEPTS (CAC-106) SEMESTER II

Duration: 2 l	\rightarrow \(\frac{1}{2} \rightarrow \ri	Total Marks: 60
Instructions:	i) All questions are compulsory.ii) Figures to the right indicate full marks	
Q.1. A. Fill in	the blanks with appropriate word(s):	(5x1=05)
1	is the only large storage area tha	t the processor can access directly.
2. The _	policy determines where in	real memory a process piece is to reside.
3. The _	lines provide a path for moving	data among systems modules.
4. A new	process is created by thesys	stem call.
5. A	system is similar to a paging s	ystem with swapping where processes reside
in seco	ondary memory	
Q.1.B. State	whether the following is True or False:	(5x1=05)
1. Magne	tic disk provides storage for both programs	s and data.
2. As a pi	ocess executes, it changes its state.	
3. Swapp	ing is known as a technique for memory fr	agmentation.
4. A proce	ess is thrashing if it is spending less time p	aging than executing.
5. Indexed	I files uses multiple indexes for different k	ey fields.
.2. Answer tl	ne following:	
A. What is	the use of device controller and device d	river? (02)
B. What are	e the ways by which deadlocks could be h	andled? (03)
C. State the	CPU scheduling criteria.	(05)
3. Answer th	e following:	
A. Define th	arashing.	(02)

	(03)	
 B. Explain the following terms: a) Critical Section b) Deadlock C. Write a note on Dispatcher. 	(05)	
Q.4. Answer the following:	egree of	
Q.4. Answer the following: A. If the size of physical memory is 64 MB with each partition having 8MB, mention the disconnection of the	(02)	
multiprogramming.	(03)	
multiprogramming. B. Mention the difference between Asymmetric and Symmetric Multiprocessors.		
C. Write a note on Deadlock Prevention.		
Q.5. Answer the following:	(02)	
A. State the use of the following terms:	(02)	
a) Address lines b) Control lines	(03)	
B. Explain the concept of Proportional frame allocation with example.		
C. Write a note on semaphore.	(05)	
Q.6. Answer the following:		
A. Mention any two File Access Rights.		
B. Write a short note on the Sequential File Organization.		
C. Consider the page references 7, 0, 1, 2, 0, 3, 0, 4, 2, 3, 0, 3, 2, with 4 frames.		
Find the number of page faults using Optimal Page Replacement Algorithm.	(05)	

FYBCA(CBCS) Semester End Examination, JANUARY 2022 Subject: PROBLEM SOLVING AND PROGRAMMING CONEPTS

Instructions:

- 1) All questions are compulsory.
- 2) The figures to the right indicate maximum marks allotted to the questions.
- 3) Write the answers on full scape paper bearing the proper format for student details.
- 4) Take good quality pictures of each page and make a single pdf.
- 5) PDF should be uploaded in the classroom with rollno.pdf naming format ex: 301.pdf
- * Required

1	Emai	1
	LIIIG	

Candidate Examination Detail

Fill with proper details

- 2. Roll No. (In figures) *
- 3. Roll No. (In Words) *



- 4. Examination *
- 5. Date *



Example: January 7, 2019

PAGE 1

Rell No. Total No. of pages; 03 Teral No. of Operations, 66 B.C.A. Semester Fnd I vamination, January 2022 PROBLEM SOLVING AND PROGRAMMING CONCEPTS [CAC 101] Semester No I CRCS Duration 21tin Maximum Marks 60 Investigations I ALL DIRIPHOLIPER CONFIVENCES FIG. 1 AB 1 TO THE AREAT IVEN ATE MANIME WMARK! Q1 Answer the following A Match the following [6x1Mark=6 Marks] First generation A. Microprocessor chips II Second generation Vacuum tubes III Third generation C. Integrated circuits I\ Fourth generation V Fifth Generation D. Transistors B. Answer the following in I line: E. Robotica [5x1Mark=5 Marks] Which keyword terminates the loop and passes the control to the next instruction. after the loop? b Which header file stores mathematical functions? C. Which file mode allows to read, edit and write to a file in C? d Which function converts strings to uppercase? What value is returned by this function: int add(int x,int y); ? Q2. Answer the following List any four features of High Level Languages. Show how switch is used in C programming with a suitable example. [2 Marka] Draw a flowchart to reverse a given number. [3Marks] Q3. Answer the following [Shiarks] Identify which of the following variable names are valid or invalid myName 21. [2 Marles] птуплатъе 23. _mylvame Identify the output of the following program: minclude <stdio h> int input(). [3Marks] void output(float) int main() float result; int choice, num. printf("Press 1 to calculate area of circle n"); printf("Press 2 to calculate area of square n");

GE2

3 PM

```
printf("Press 3 to calculate area of sphere at");
 printf("Enter your choice: n");
 choice = input():
 switch (choice) {
 case 1.
   minif("Enter radius: n");
   num = input();
   result = 3.14 * num * num;
   printf("Area of sphere=");
   output(result);
   break;
 case 2: {
   printf("Enter side of square: n");
    num = input();
   result = num * num;
   printf("Area of square=");
    output(result);
    bresk;
 case 3: (
    printf("Enter radius: "n");
    mum = input();
    result = 4 * (3.14 * mum * num);
    printf("Area of sphere=");
    output(result);
    bresk
  default
    printf("wrong Input'n");
  return 0;
int input()
  int number:
  scanf("%d", &mumber);
  return (mumber);
}
void output(float number)
  printf("%f', mumber);
```

27 JAN 2022 Estamenation

C Demonstrate the use of nested if-else in C

[5Marks]

```
[2 Marke]
Q4. Answer the following:
                                                                                [3 Marki]

 Define variable and constant in C.

                                                                                [5 Marks]
b. List three advantages of algorithms.

    C. Name any five string related functions and demonstrate how they are used.

Q5. Answer the following:
                                                                                [2Marks]
    8. Name any four basic datatypes in C.
                                                                                [3Marks]
    b. Show how comments are used in C.
                                                                                [5Marks]

    Demonstrate the use of user defined functions in C.

Q6. Answer the following:
                                                                                [2Marks]
    a. Define bug and debugging.
                                                                                [3Marks]
   b. Name the different types of operators in C.
                                                                                [5Marks]
   C. Identify ten errors in the given code:
               =include <studio.b>
               int_main {
               int n; reversed == 0; remainder; original;
               printf["Enter an integer: "];
               scanf(n);
              original = n;
              while (n != 0) [
              remainder = n / 10;
              reversed = reversed * 10 + remainder,
              n = n / 10
              if (original = reversed)
              printf("" op is a palindrome.", original);
              printf("%c is not a palindrome.", original);
              return n:
```

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