



JB-3206

Second Year B. Sc. (Sem. IV) Examination

April/May – 2013

Programming Methodology

(IDS CAN Course for Electronics)

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशांशवैल निशानीवाणी विगतो उत्तरवडी पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="Second Year B. Sc. (Sem. 4)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Programming Methodology"/>	<input type="text"/>
Subject Code No. : <input type="text" value="3"/> <input type="text" value="2"/> <input type="text" value="0"/> <input type="text" value="6"/>	Section No. (1, 2,...): <input type="text" value="Nil"/>
Student's Signature	

- (2) Figures on the right indicate full marks.
- (3) All symbols and abbreviations have their usual meaning.
- (4) Non-programmable calculators are allowed.
- (5) Q.1 is compulsory.

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|---|---|----|
| 1 | (a) Define array in C. | 14 |
| | (b) State the rules for defining integer constant in C. | |
| | (c) Define array in C. | |
| | (d) Differentiate between 'break and continue' statement. | |
| | (e) State the rules for defining variable constant in C. | |
| | (f) Define structure in C. | |
| | (g) Distinguish between structure and an array. | |
| 2 | (a) What is an array ? Explain it in detail. | 7 |
| | (b) Explain in brief : for loop. | 7 |

OR

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|---|---|---|
| 2 | (a) Draw the flow chart and discuss if statement. | 7 |
| | (b) With example explain scanf() function. | 7 |

- 3 (a) Explain the following functions : 7
malloc (), fseek (), feof (), strcat (), getch (), sizeof (),
scanf ().
- (b) Explain how to pass a one dimensional array to a 7
function.

OR

- 3 (a) Write a program to find the sum of the following 7
series where n is input parameter given by the user.
 $2+4+6+\dots+n$.
- (b) Write a program to calculate the sum of digits of 7
five digit number entered through keyboard.
- 4 (a) List various arithmetic operators of C and write 10
their precedence.
- (b) Differentiate between 'while' and 'do....while' statement. 4

OR

- 4 (a) Write a program to determine the sum of the first 7
fifteen numbers.
- (b) Write a program to determine whether a number 7
entered through keyboard is prime number or not.
- 5 Write short notes on : (any two) 14
- (a) Call by reference
- (b) Structure in C
- (c) Pointer
- (d) Bitwise operator.
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