



J-0882
Second Year B. Sc. Examination
March / April – 2013
Programming Methodology
(IDS CAN Course for Electronics)

Time : Hours]

[Total Marks : 35

Instructions :

(1)

<p>नीचे दशांशवैक निशानीवाणी विगतो उत्तरवडी पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination :</p> <p>☛ Second Year B. Sc.</p> <p>Name of the Subject :</p> <p>☛ Programming Methodology</p> <p>☛ Subject Code No. : 0 8 8 2 ☛ Section No. (1, 2,...): Nil</p>	<p>Seat No. :</p> <table border="1" style="width: 100%; height: 20px;"><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; border-radius: 15px; width: 100%; height: 80px; margin-top: 10px; display: flex; align-items: center; justify-content: center;"><p>Student's Signature</p></div>						

- (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) Explain the preprocessor in C. | 8 |
| | (b) State the rules for defining integer constant in C. | |
| | (c) Define array in C. | |
| | (d) Differentiate between 'break and continue' statements. | |
| 2 | (a) Explain the 'if... Else' statement. | 8 |
| | (b) Write a program to display a number, its square, and its cube when a number is entered through a keyboard. | 5 |

OR

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|---|--|---|
| 2 | (a) Explain the switch case with suitable example. | 8 |
|---|--|---|

- (b) Explain the following functions : 5
strcmp(),
scanf()
fclose()
clr()
sqrt().
- 3 (a) Write is use of loop ? Explain various loop 7
statements used in C.
- (b) Differentiate between 'while' and 'do... While' statement. 7

OR

- 3 (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.
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