



**BA-3501**  
**First Year B. C. A. (Sem. I) Examination**  
**October/November - 2017**  
**Computer Programming & Programming**  
**Methodology : 104**  
**(Old & New Course)**

Time : 3 Hours]

[Total Marks : 70

Instructions : (1)

<p>नीचे दशाविवेक लिखें - निम्नानुसार विगतो उत्तरवली पर अवश्य लिखवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : <b>First Year B. C. A. (Sem. I)</b></p> <p>Name of the Subject : <b>Computer Programming &amp; Program. Methodo. : 104 (Old &amp; New)</b></p> <p>Subject Code No. : <b>3 5 0 1</b> Section No. (1, 2,.....) <b>(Nil)</b></p>	<p>Seat No. : <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></p> <p style="text-align: center; border: 1px solid black; border-radius: 10px; padding: 5px; height: 80px;">Student's Signature</p>						

- (2) All question are compulsory.
- (3) Figure to the right indicate full marks.
- (4) Mention your options clearly.

1 Answer in short (any ten)

10

- (1) Define error.
- (2) What is -- operator.
- (3) Explain #define preprocessor directives.
- (4) Explain putchar ( ) function.
- (5) What is variable?
- (6) What is keyword?
- (7) Explain ceil ( ) function.
- (8) What is multi dimensional array?
- (9) How to write comment in C?
- (10) What is use of break statement?
- (11) Explain assignment operator.
- (12) What is use of main ( ) in C program?

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[Contd....

**2** Attempt following questions : (Any **three**) **18**

- (1) Write a short note on structured programming.
- (2) Explain C constant in detail.
- (3) Explain any two types of operators in detail.
- (4) Explain conversion function in detail.
- (5) Write a short note on debugging.

**3** Attempt following question : (Any **Two**) **14**

- (1) Explain for loop in detail with example.
- (2) Explain if conditional statement with example.
- (3) Explain formatted input and output in detail.

**4** Write a short note on following : (Any **three**) **18**

- (1) Array
- (2) Data types
- (3) Do...while loop
- (4) Storage classes

**5** Do as directed : **5+5**

- (1) Write an algorithm to calculate sum of all even elements from one dimensional array of size 10.

**OR**

- (1) Write an algorithm to check whether the inputted string is palindrome or not.

(2) Differentiate between following : (Any **one**)

- (1) Break and continue.
- (2) getch( ) and getchar( ).