



DM-0864

First Year B. C. A. (Sem. I) Examination

November / December - 2006

Paper - 104 : Computer Prog. & Prog. Methodology
(New Course)

Time : Hours]

[Total Marks : 70

Instructions :

(1)

नीचे दशादिब निशानीवाणी विगतो उत्तरवही पर अवश्य लपदी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
F.Y. B. C. A. (Sem. I)

Name of the Subject :
Paper - 104 : Computer Prog. & Prog. Methodology

Subject Code No. : 0 8 6 4 Section No. (1, 2,.....): Nil

Seat No. : 0 7 6 2 4 2

Student's Signature

(2) Figures to the right indicate full marks.

1 Answer the following : (any ten)

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- (1) What is Language Translator.
- (2) Define the term Algorithm.
- (3) Explain the two types of variables used in BASIC.
- (4) What is self-replacement technique ?
- (5) Explain Right's function.
- (6) What is an infinite loop ?
- (7) Give use of spaces function.
- (8) What is array ?
- (9) Why REM statement is used ?
- (10) What do you mean by jumping ?
- (11) Give the difference between forward and backward jumping.
- (12) Explain MOD operator of BASIC.

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[Contd...

- 2 (a) What is variable ? Explain numeric and string variable. 7
(b) Differentiate between compiler Vs. Interpreter. 8
Also explain both in detail.

OR

- ✓ (b) Explain flowchart. Draw flowchart for calculating yearly interest. 8

- 3 (a) What do you mean by multiple branching ? Compare GO TO and ON....GOTO with example. 7
(b) Write a detailed note on PRINT USING. 8

OR

- ✓ (b) What are the arithmetic operators used in BASIC ? What is their natural hierarchy ? In what order are operation carried out within a hierarchical group ? 8

- ✓ 4 (a) Explain single and double subscript array with example. Also discuss the advantage of array. 7
(b) What do you mean by program efficiency ? Discuss any one source of program efficiency. 8

OR

- ✓ (b) Explain following functions with example : 8
(1) ABS () (2) MID\$ ()
(2) LEN () (4) CHR\$ ().

- 5 Attempt any two of the following : 15
(a) Write a note on Read....Data and restore statements.
(b) What is error ? Explain different types of errors in BASIC.
(c) Write a detailed note on Bubble sort techniques with an example.
(d) Write a program to generate Fibonacci series.

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