



G-3798

First Year B. C. A. (Sem. - I) (CBCS) Examination
November / December – 2014
Paper - 104 : Computer Programming &
Programming Methodology
(Old Course)

Time : 3 Hours]

[Total Marks : 70

Instructions : (1)

श्रीवे दशांवेद विधानीयानि विधाने शास्त्रवती पर अवश्य दायवी.
Fillup strictly the details of signs on your answer book.

Name of the Examination :
First Year B. C. A. (Sem. - I) (CBCS)

Name of the Subject :
104 : Computer Programming and Programming Methodology (Old)

Subject Code No. : 3 7 9 8 Section No. (1, 2,.....) Nil

Seat No. :

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Student's Signature

Q.1 Answer in sort (Any 10)

[10]

- 1) What are the benefits of drawing flowchart?
- 2) What is debugging?
- 3) What is the purpose of SQR and ABS function
- 4) What is the use of LOCATE statement.
- 5) What is the purpose of REDIM statement?
- 6) Explain relation expression in brief.
- 7) What is constant?
- 8) Write basic expression
 $M = abc + d^2c$
- 9) What is the range of values for BASIC variables that is declared of the data type LONG?
- 10) What is computer program?
- 11) Write different ways of writing comments in BASIC program
- 12) Give full form of QBASIC.

Q.2 Answer any four

[20]

- A). Define expression. Explain the types of expression.
- B). What is algorithm? Give the difference between algorithm and flowchart.
- C). What is error? Explain different types of errors in Qbasic.
- D). Explain any five string functions in detail with example.
- E). Explain IF..ELSE IF .. ELSE .. ENDIF in detail with an example.

Q.3 Answer any three

[12]

- A). Write a short note on PRINT USING.
- B). What is nested loop? Explain with proper example.
- C). Give the difference between Forward jump and backward jump.
- D). Write a note on levels of programming language.

Q.4 (A) What is sorting? Explain bubble sort with example. [6]

(B) Explain exit control loop in detail. [6]

OR

(B) What do you mean by single script variable? Explain in detail.

Q.5 (A) Write an algorithm to generate Fibonacci series for n numbers. [6]

(B) Write a program to check weather the given no. is Armstrong or not. [6]

OR

(B) Write a program to check whether a given string is palindrome or not. [6]

(C) Consider the following code. Give errors (if any), otherwise give output. [4]

(i) N = 12345
Print len(str\$(N))

(ii) DIM b(5)
b(1) = 10
b(2) = 5
print (b(10/5) + b(5/5) + 5