

Register Number :

Name of the Candidate :

5 2 4 6

B.Sc. DEGREE EXAMINATION, 2012

(MATHEMATICS)

(FIRST YEAR)

(PART - III)

(GROUP - B - ANCILLARY)

(PAPER - I)

540. COMPUTER SCIENCE - I

(Candidates joined during 2009-10 and before)

May]

[Time : 3 Hours

Maximum : 75 Marks

Answer any FIVE questions.

ALL questions carry equal marks.

SECTION – A (5 × 15 = 75)

(PROGRAMMING IN BASIC)

1. (a) Explain Machine language. How does it differ from Assembly language?

Turn Over

- (b) What is flow chart? Explain the different tools that are used in flow charting?
- 2. (a) What are the various types of variables used in BASIC?
- (b) Distinguish READ····DATA statement and INPUT statement.
- 3. (a) Write a program to find the sum of squares of first 25 natural numbers.
- (b) Explain various type of control statement in BASIC.
- 4. (a) Explain the following functions:
 - (i) User defined function.
 - (i) Library function.
- (b) Using a subroutine, find the factorial of a given number N.

SECTION – B

(PROGRAMMING IN COBOL)

- 5. (a) How many different types of constants are there in COBOL? Explain.

- (b) Discuss the structure of COBOL program.
- 6. (a) Explain all the four division of COBOL with syntax.
- (b) Explain ACCEPT/DISPLAY statement with example.
- 7. (a) Write a COBOL program to merge two mark files using Register number as key field.
- (b) Explain the use of the following:
 - (i) MOVE.
 - (ii) STOP.
 - (iii) DISPLAY.
 - (iv) PERFORM····UNTIL.
- 8. (i) Explain in detail about file organization in COBOL.
- (ii) Write note on SORT and MERGE facilities in COBOL.