



11328(Old)

**B.Sc. III Semester (Old) Degree Examination, November/December 2016**  
**Information System Analysis and Design and COBOL**  
**COMPUTER SCIENCE**

Time : 3 Hours

Max. Marks : 80

**Instructions :** 1) Answer according to the instructions given.  
2) **All the Parts are compulsory.**

**PART - I**

I. Answer **any ten** of the following.

(10×2=20)

- 1) What is COBOL ? Who and when was it developed ?
- 2) What is the use of column 8 in a COBOL ?
- 3) Write the syntax of COMPUTE statement.
- 4) What do you mean by figurative constants in COBOL ? Give an example.
- 5) Define data names. Give an example.
- 6) Mention the Arithmetic Verbs in COBOL.
- 7) Write the syntax of GOTO statement with an example.
- 8) Mention any four reserved words of COBOL.
- 9) Write the syntax of occurs clause with an example.
- 10) Mention the conditional statements used in COBOL.
- 11) Who is system Analyst ?
- 12) What is system analysis ? Give an example.
- 13) What are the elements of system ?
- 14) Write any two characteristics of OPEN statement.
- 15) Write the syntax of CLOSE statement with an example.

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PART – II

II. Answer **any five** of the following.

(5×6=30)

- 1) Explain data division of a COBOL.
- 2) Write the syntax of ADD and SUBTRACT verbs with examples.
- 3) Explain SORT verb of COBOL.
- 4) Write a COBOL program to find the factorial of a given number.
- 5) Write a COBOL program to find the greatest of N numbers.
- 6) Explain the use of GOTO..... DEPENDING ON..... statement with syntax and example.
- 7) Explain the modes file opening in COBOL.
- 8) Write the syntax of ENVIRONMENT DIVISION entry for sequential files.

PART – III

III. Answer **any three** of the following.

(3×10=30)

- 1) Explain COBOL coding sheet.
  - 2) Write a COBOL program to sort the records of the student file. Considering the following structure to a file-rollno, name, class, D-O-B.
  - 3) Write a COBOL program to store 5 subject marks of 3 students and find total and average of all.
  - 4) Write a note on PICTURE clause.
  - 5) Explain PERFORM statement with its all forms.
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