

(i) Printed Pages : 2

Roll No.

(ii) Questions : 9

Sub. Code :

| | | | |
|---|---|---|---|
| 3 | 6 | 0 | 7 |
|---|---|---|---|

Exam. Code :

| | | | |
|---|---|---|---|
| 0 | 4 | 5 | 9 |
|---|---|---|---|

M.Sc. Information Technology 1st Semester

(1129)

SOFTWARE ENGINEERING

Paper—MS-61

Time Allowed : Three Hours]

[Maximum Marks : 80

Note :— Attempt **five** questions in all, by selecting **one** question each from Sections A, B, C and D. Question No. 1 is compulsory.

1. Explain the following :—

- (a) DFDs
- (b) E R diagrams
- (c) Data dictionary
- (d) CPM
- (e) Software Matrix
- (f) Function Points
- (g) RAD
- (h) Boundary Value Analysis.

16

SECTION—A

- 2. Explain waterfall model in detail. 16
- 3. Explain various components of SRS in detail. 16

SECTION—B

4. What do you mean by work break down structure ? Discuss its main features. 16
5. Explain User Interface Design and its elements in detail. 16

SECTION—C

6. What are the various types of Software Matric used in Software Engineering ? Explain in detail. 16
7. What do you understand by the term System Maintenance and Reliability ? Explain the different factors affecting Software Reliability. 16

SECTION—D

8. What is Software testing process ? Differentiate between White Box and Black Box Testing. 16
9. Explain the following :—
 - (a) Integration Testing
 - (b) Functional Testing.16

SECTION—B

4. What do you mean by work break down structure ? Discuss its main features. 16
5. Explain User Interface Design and its elements in detail. 16

SECTION—C

6. What are the various types of Software Matric used in Software Engineering ? Explain in detail. 16
7. What do you understand by the term System Maintenance and Reliability ? Explain the different factors affecting Software Reliability. 16

SECTION—D

8. What is Software testing process ? Differentiate between White Box and Black Box Testing. 16
9. Explain the following :—
 - (a) Integration Testing
 - (b) Functional Testing. 16