

(3 Hours)

[Total Marks :80

- N.B. :** (1) Question No. 1 is compulsory.
(2) Attempt any three questions out of remaining five.

1. (a) Write suitable applications of different software models. 10
 - (b) Compare Verification and Validation Testing. 10
 - (c) Explain COCOMO Model.
 - (d) Explain the different types of software Maintenance.
 2. (a) What is Agile methodology? Explain it with the principles used and give example of any One such software model. 10
 - (b) Explain Change Control and Version Control in SCM. 10
 3. (a) Explain size oriented software engineering metrics. 10
Find function points for an e-commerce application with following data,

Number of user Inputs	50
Number of user Outputs	40
Number of user Inquiries	35
Number of user Files	06
Number of External Interfaces	04
- Assume suitable complexity adjustment factors and weighting factors.
- (b) What Is Coupling and Cohesion? Explain different forms of it. 10
 4. (a) What are the features of a good user Interface? Design and interface for Online Air Ticket Reservation System. 10
 - (b) Explain different metrics used for maintaining Software Quality. 10
 5. (a) What is SRS document? Build an SRS document for Online Student Feedback System. 10
 - (b) What are Software Risks? Write a note on RMMM for delayed projects. 10

6. (a) Compare Black box and White Box Testing. Find cyclomatic complexity 10
of following code

```
IF A = 10 THEN
  IF B > C THEN
    A=B
    ELSE A= C
  END IF
END IF

PRINT A
PRINT B
PRINT C
```

(b) Explain software Reverse Engineering In detail.

10

B1-7, 8

Course: T.E. (SEM.-VI)(CBSGS) (COMPUTER ENGG.)(prog-585 TO 598)

Q.P Code: 5065

Correction:

Q. No.(1)

Five marks per each sub question.

Q. no. 4 (a)

Read as :

What are the features of a good user Interface? **Design a user Interface** for Online Air Ticket Reservation System .

Instead of :

What are the features of a good user Interface? **Design and Interface** for Online Air Ticket Reservation System

Query Update time: 18/05/2015 03:26 PM