



HC-3555

**Second Year B. C. A. (Sem. IV) Examination**  
**March / April – 2018**  
**402 : Software Engineering - II**

Time : 3 Hours]

[Total Marks : 70

**Instruction :**

नीचे दशांशक निशानीवाणी विगतो उत्तरपडी पर अवश्य कपवी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
**SECOND YEAR B. C. A. (SEM. 4)**

Name of the Subject :  
**402 : SOFTWARE ENGINEERING - 2**

Subject Code No. : **3 5 5 5** Section No. (1, 2,.....) : **NIL**

Seat No. :

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Student's Signature

- 1 Answer the following in short : 14
- (1) "If data input is bad than output is worse." Justify the statement.
  - (2) Explain significant codes.
  - (3) Explain Error, Fault and Failure.
  - (4) Define importance of Fact Finding Technique.
  - (5) What is decision table ?
  - (6) Define term : Faceted code.
  - (7) Explain the difference between HIPO and Warnier – Orr chart.
- 2 Answer the following : (any two) 14
- (1) Explain code design.
  - (2) Explain Output Design.
  - (3) What is documentation ? Explain different types of document methods.
- 3 Answer the following : (any two) 14
- (1) What are flowcharts ? Explain different types of flowchart.
  - (2) Explain Blackbox and White box testing.
  - (3) Explain integration testing in detail.

HC-3555 ]

1

[ Contd...

4 Answer the following : (any two) 14

- (1) Explain direct and pilot conversion.
- (2) Explain decision table with its advantages and disadvantages.
- (3) What is UML ? Explain Class Diagram and Use Case diagram in detail.

5 (i) Draw a System Flow Diagram for Electricity billing system. 10

(ii) Develop the Data dictionary for the same. 4

OR

(i) Draw a System Flow Diagram for Student attendance system. 10

(ii) Develop the Data dictionary for the same. 4