

**RAN-2508000605020013**

T.Y.B.COM. (Sem. - V) Examination October - 2025
Computer Application - VIII (Software Engineering)

Time: 1 Hours]**[Total Marks: 25****સૂચના : / Instructions**

- (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
 Fill up strictly the above details on your answer book

Seat No.:

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Student's Signature

Q.1. Answer in Brief (Any Five)**[05]**

1. What is Data Dictionary?
2. What is the purpose of software testing?
3. Define Software Engineering?
4. What is functional testing?
5. List out of symbol of DFD with its meaning.
6. What is system design? Why is it important in software engineering?
7. What is functional independence? .

Q.2. [A] Write down short note on “Software Testing”.**[07]**

- [B] Explain Coupling techniques.

[03]**OR****Q.2. [A] Draw a DFD for ‘Hospital Management System’, (reach up to level-II)****[07]**

- [B] What is Cohesion? Explain different types of Cohesion.

[03]**Q.3. Do as directed (Any Two)****[10]**

- [A] What is Software Engineering? Explain software characteristics.
 [B] What is requirement analysis? Explain any one requirement gathering technique in detail
 [C] Explain Waterfall Model. Also write its advantages and disadvantages.
 [D] What is Software Requirement Specification? What are the important points to be considered in SRS?