322614(22)

B. E. (Sixth Semester) Examination 2020

(Old Scheme)

(CSE Branch)

SOFTWARE ENGINEERING

Time Allowed : Three hours

Maximum Marks : 80

Minimum Pass Marks : 28

*Note : Attempt all questions. Part (a) of each question is compulsory and carries 2 marks. Attempt any **two** parts from (b), (c) and (d) which carry 7 marks each.*

Unit-I

1. (a) Explain Verification. 2

   (b) Explain Waterfall Model. 7

(c)   Explain Software Development Process.   7

(d)   Explain Software Engineering Paradigm.   7

Unit-II

2. (a)   What is Validation?   2

(b)   What is Software Prototyping? What are the
advantages of software prototyping?   7

(c)   Explain Requirement Engineering Process.   7

(d)   Explain Rapid Prototyping Techniques.   7

Unit-III

3. (a)   Explain Modular Design.   2

(b)   Explain SCM process.   7

(c)   Explain Software design concepts and principles
in detail.   7

(d)   Explain uses interface design principles.   7

Unit-IV

4. (a)   What is black box testing?   2

(b)   Explain unit testing, integraton testing and validation
testing.   7

(c)   Explain various types of Software Test.   7

(d)   Explain Software testing strategies.   7

Unit-V

5. (a)   What is White Box testing?   2

(b)   Explain COCOMO Model.   7

(c)   Explain Delphi Model.   7

(d)   Explain software cost estimation function.   7