

5TH SEM / CSE / IT/ 2022(W)

TH3 SOFTWARE ENGINEERING

Full Marks: 80

Time- 3 Hrs

Answer any five Questions including Q No.1& 2
Figures in the right hand margin indicates marks

1. Answer **All** questions 2 x 10
 - a. Distinguish between a program and a software product.
 - b. What are the basic attributes for estimating a project?
 - c. Why SRS document is known as black box specification of a system?
 - d. Define Fan-in and Fan-out in Module Designing.
 - e. Why GANT chart is used?
 - f. Write a advantage and disadvantages of a command language Interface.
 - g. Name different types of System Testing.
 - h. What is context diagram?
 - i. Define Software reliability.
 - j. Define test suit.
2. Answer **Any Six** Questions 6 x 5
 - a. Discuss about Spiral Model.
 - b. Describe empirical estimation techniques.
 - c. Explain different Integration testing.
 - d. Define coupling? Explain classification of coupling.
 - e. Differentiate between Hardware reliability and Software reliability.
 - f. Discuss different types of menu used in menu based user interface.
 - g. Define SRS.Discuss the characteristics of a Good SRS Document.
3. What is a prototype? Discuss about Prototype model? Under what circumstances it is beneficial to construct a prototype? 10
4. Define DFD? Explain different level of DFD.Draw DFD for Root Mean Square calculating Software. 10
5. What is testing? Discuss about various black box testing with example. 10
6. Define UID? Explain different types of User interface. 10
7. What is COCOMO model of estimation? Discuss features of different COCOMO model. 10