B.C.A. (H) 4th Semester Examination, 2022
Subject: Computer Application
Course Title: Software Engineering
Course Code: BCA- 401

Time: 4 Hours **F.M: 80**

Answer question no 1 and any four from the rest. **16x5=80**

1. Answer any eight Questions. 8x2 = 16
   a) What do you mean by functional independence?
   b) What is E-R modelling?
   c) What do you mean by SRS?
   d) What is driver and stub module?
   e) What do you mean by software prototype?
   f) What is cohesion?
   g) What is LOC metric?
   h) What is Debugging?
   i) What is DFD?
   j) What is alpha testing?
   k) What is coupling?
   l) What is CFG?

2. Describe spiral model with its advantage and disadvantages. Discuss function point metric with example. 10+6
3. Describe basic COCOMO model in Software engineering. Discuss work breakdown structure with example. 10+6
4. Describe functional requirements of SRS. How can you document the functional requirements of a system explain it with example. 10+6
5. Differentiate between processes oriented and object oriented software design. Describe Booch approach in object oriented software design. 8+8
6. Describe White-Box testing in software engineering. What do you mean by verification and validation of software? 10+6
7. What do you mean by software reengineering? Describe CASE tool of software engineering. Draw ERD of a typical health care system. 5+5+6