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SF—45—2022
FACULTY OF COMPUTER STUDIES
B.Sc. (C.S.) (Second Year) (Fourth Semester) EXAMINATION
JUNE/JULY, 2022
(CBCS/Rev. Pattern)
COMPUTER SCIENCE

Paper BCS-402

(Software Engineering)

(Tuesday, 5-7-2022)　　　　　　　　　　　　　**Time : 2.00 p.m. to 5.45 p.m.**

Time—3.45 *Hours*　　　　　　　　　　　　　　　　*Maximum Marks*—75

N.B. :—　(i)　*All* questions are compulsory.

　　　　(ii)　Figures to the right indicate full marks.

　　　　(iii)　Assume suitable data, if required.

1.　Attempt any *five* of the following :　　　　　　　　　　15

　(a)　Explain product and process.

　(b)　What is evolving role of software ?

　(c)　What is an agility ?

　(d)　Explain software system modeling.

　(e)　Explain software process.

　(f)　Explain computer based system.

　(g)　What is planning practices ?

2.　Attempt any *three* of the following :　　　　　　　　　15

　(a)　Explain evolutionary process models.

　(b)　What is feature driven development ?

　(c)　Define analysis modeling principles.

　(d)　Explain system engineering hierarchy.

　(e)　What is product and process ?

P.T.O.

3. Attempt any *three* of the following : 15

   (*a*) Explain software crisis and horizon.

   (*b*) Define software characteristics.

   (*c*) Explain team software process.

   (*d*) Explain core principles.

   (*e*) Explain spiral model.

4. Attempt any *three* of the following : 15

   (*a*) Which are software applications ?

   (*b*) Explain design modeling principles.

   (*c*) Explain incremental process model.

   (*d*) Explain software myths.

   (*e*) Explain system simulations.

5. Write short notes on any *three* of the following : (**5** marks each) 15

   (*a*) Explain process technology.

   (*b*) Define an agile process.

   (*c*) Explain waterfall model.

   (*d*) Explain system engineering practices.

   (*e*) Explain personal software process.