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GF—03/GK—03—2023

FACULTY OF COMPUTER STUDIES

B.Sc. (Sixth Semester) EXAMINATION

APRIL/MAY, 2023

(CBCS Pattern)

COMPUTER SCIENCE

(Software Engineering)

(Tuesday, 18-4-2023) **Time : 10.00 a.m. to 1.00 p.m.**

Time—Three Hours *Maximum Marks*—75

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

(*ii*) Figures to the right indicate full marks.

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

(*a*) Explain any software myths.

(*b*) Explain personal software process.

(*c*) Explain framework activities.

(*d*) Explain product and process.

(*e*) Define software engineering.

P.T.O.

(*f*) What is an angile process ?

(*g*) Explain essence of practice.

2. Attempt any *two* of the following : 10

(*a*) Explain waterfall model.

(*b*) Explain software characteristics.

(*c*) Explain rapid action development.

3. Attempt any *two* of the following : 10

(*a*) Explain software evolution.

(*b*) Explain spiral model.

(*c*) Explain software engineering a layered technology.

4. Attempt any *two* of the following : 10

(*a*) Explain feature driven development.

(*b*) Explain team software process (TSP).

(*c*) Explain process technology.

5. Attempt any *two* of the following : 10

(*a*) Explain planning process.

(*b*) Explain DSDM.

(*c*) Explain extreme programming.

6. Attempt any *two* of the following : 10

(*a*) Explain system modeling.

(*b*) Explain system Engineering Hierarchy.

(*c*) Explain requirement modeling.

7. Attempt any *two* of the following : 10

(*a*) Explain core principles of software engineering practices.

(*b*) Explain communication practices.

(*c*) Explain system simulation.