This question paper contains **2** printed pages]

NA—314—2023

FACULTY OF SCIENCE AND TECHNOLOGY

B.Sc. (Third Year) (Fifth Semester) EXAMINATION

NOVEMBER/DECEMBER, 2023

(New/CBCS Pattern)

COMPUTER SCIENCE

Paper-XII

(Software Engineering)

(Saturday, 23-12-2023)	**Time : 10.00 a.m. to 12.00 noon**

Time—2 Hours   *Maximum Marks—40*

N.B. :— (1) Attempt *all* questions.

       (2) Assume suitable data, if necessary.

1. What is Software Engineering ? Discuss the changing nature of software and also explain management myths.   15

Or

(*a*) What is requirement analysis ? Explain elements of analysis model. 8

(*b*) What is software architecture ? Explain it in detail.   7

2. Explain incremental and spiral process models.   15

Or

(*a*) Explain the design pyramid for web app.   8

(*b*) Discuss the challenges in mob app design.   7

P.T.O.

3. Write short notes on (any *two*) : 10

   (*a*) Key elements of software engineering

   (*b*) Agility principles

   (*c*) Requirement Engineering

   (*d*) Web App design quality.