

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.

WT

( 2 )

NA—314—2023

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.

NA—314—2023

2