NA—311—2023

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2023

(New/CBCS Pattern)

COMPUTER SCIENCE

Paper-XIV

(Software Testing)

(Wednesday, 20-12-2023) **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. Describe the strategic approach to software testing. 15

Or

(*a*) What is software quality ? Explain McCall's quality factors. 8

(*b*) What is software quality assurance ? Explain various SQA tasks. 7

2. Distinguish between White Box and Black Box testing and explain the concept of 'Testability'. 15

Or

(*a*) Describe the testing strategies of mobile apps. 8

(*b*) Describe the errors within a web app environment. 7

P.T.O.

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

    (*a*)   Formal Technical Review

    (*b*)   Validation Testing

    (*c*)   Flow Graph

    (*d*)   Web app testing process.