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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.

WT

(2)

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

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- (a) Formal Technical Review
- (b) Validation Testing
- (c) Flow Graph
- (d) Web app testing process.

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