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

VA—311—2024

FACULTY OF SCIENCE AND TECHNOLOGY

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

NOVEMBER/DECEMBER, 2024

(New/CBCS Pattern)

COMPUTER SCIENCE

Paper XIV

(Software Testing)

(Tuesday, 17-12-2024)   **Time : 10.00 a.m. to 12.00 noon**

Time—Two Hours   *Maximum Marks*—40

N.B. :— (i)   Attempt *all* questions.

(ii)   Assume suitable data, if necessary.

1.   (a)   Explain unit testing and integration testing in detail.   15

Or

(b)   What is software quality assurance ? Explain SQA tasks.   8

(c)   Describe McCall's quality factors.   7

2.   (a)   Discuss the internal and external views of testing and explain black box testing.   15

P.T.O.

Or

(*b*) What is web app testing ? Discuss the errors within a web app environment. 8

(*c*) Describe the testing strategies of mobile apps. 7

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

(*a*) ISO 9000 quality standards

(*b*) Verification and validation

(*c*) Control structure testing

(*d*) Gesture testing.