

CDOE
BACHELOR OF COMPUTER APPLICATIONS (CBCS-2018 COURSE)
B.C.A. Sem-IV : WINTER :- 2021
SUBJECT: SOFTWARE TESTING

Day : Wednesday
Date 16-02-2022

W-19007-2021

Time : 10:00 AM-01:00 PM
Max. Marks: 70

N.B.:

- 1) Attempt **ANY FOUR** questions from Section – I and **ANY TWO** questions from Section – II.
- 2) Answers to both the sections should be written in **SAME** answer book.
- 3) Figures to the right indicate **FULL** marks.

SECTION – I

- Q.1** Define the ‘software testing’. What are the goals of software testing? Explain V-testing model with suitable diagram. **[10]**
- Q.2** What is white-box testing? Explain basis path testing in detail. **[10]**
- Q.3** What is unit testing? Also explain its purpose and advantages. **[10]**
- Q.4** Give the importance of validation testing. Explain alpha and beta testing in detail. **[10]**
- Q.5** Explain Top-Down and Bottom-Up approaches of Integration testing. **[10]**
- Q.6** Write short notes on **ANY TWO** of the following: **[10]**
- a) Debugging Process
 - b) Testing patterns
 - c) Verification techniques

SECTION – II

- Q.7** Explain Black-Box Testing methods in detail. **[15]**
- Q.8** Explain different strategies of system testing. Also explain advantages of system testing. **[15]**
- Q.9** What are various types of risks? Explain role of testing in risk management. **[15]**

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