

W-3816**B.C.A. (Sixth Semester) Examination, June-2020****SOFTWARE TESTING****Paper - IV***Time : Three Hours**Maximum Marks : 80 (For Regular Students)**Minimum Pass Marks : 32***Note :** Attempt **all** questions.**Unit - I**

- Q.1. a) What do you understand by 'Software-Testing'? Why it is necessary? Explain Software-Testing as an 'Engineering Activity'. Explain tester's role in a software development in brief.
- b) Giving suitable examples, explain following terms:
- i) Testing as a process
- ii) Basic software testing principles

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Unit - II

- Q.2. Giving suitable examples, write detailed notes on the following:
- a) Developer/Tester support for developing a defect repository.
- b) Defect prevention strategies.

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Unit - III

- Q.3. With example, differentiate between 'White-box and 'Black-box' testings. Discuss Black-box approach to test case design. Mention its advantages and limitations.

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Unit - IV

- Q.4. Giving suitable examples, write detailed notes on the following:
- a) Test case design strategies
- b) Requirements based testing

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Unit - V

- Q.5. Giving example, explain the concept of White-box testing. Explain following in brief with example:
- a) Static testing versus structural testing.
- b) Code functional testing.
- c) Offline testing versus on-line testing.

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