

**B. Tech. 7th Semester (IT) F. Scheme  
Examination, December- 2017  
COMPUTER SOFTWARE TESTING  
Paper- IT-467-F**

*Time allowed : 3 hours ] [Maximum marks : 100*

*Note : Question No. 1 is compulsory and the students have to attempt one question from each of four section.*

1. (a) What is Black Box Testing ? 4×5=20  
(b) What are the characteristic of a good test ?  
(c) What is Automated Testing ?  
(d) What is Beta Testing ?

**Section-A**

2. (a) What are the advantages and limitations of first cycle of testing ? Explain various steps of first cycle of testing. 10  
(b) What is software development ? Explain different stages of software development. 10
3. (a) What do you mean by problem reports ? What are the content and characteristics of problem report ? 12  
(b) What is Bug ? How we can make a bug reproducible ? 8

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**Section-B**

4. (a) What is problem tracking system ? Explain in detail. 10  
(b) What are the reasons that the project managers get frustrate by the database or by the Bug handling process ? 10
5. (a) What is function equivalence testing ? Explain. 10  
(b) What do you mean by Regression Testing ? Explain regression testing in detail. 10

**Section-C**

6. Write short note on the following in terms of localization and user manual testing : 20  
(a) Error Message Identifiers  
(b) Hyphenation Rules  
(c) Data Formats and Setup Options  
(d) Effective Documentation
7. (a) What is Software Reliability ? How testing documentation contributes to software reliability ? 10  
(b) Explain various spelling and sorting rules. 10

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**Section-D**

8. (a) What is Test Planning Document ? What are the various components of test planning documents ? 10  
(b) Write short note on automated acceptance and regression tests. 10
9. (a) What is Alpha Testing ? How it is different from Beta Testing ? 10  
(b) What are the legal consequences of defective software ? Explain in detail. 10

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