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**BP—28—2016**

**FACULTY OF COMPUTER STUDIES**

**B.Sc. (SE) (Fifth Semester) EXAMINATION**

**OCTOBER/NOVEMBER, 2016**

**SOFTWARE ENGINEERING**

Paper S5.5

(Software Testing & Quality Assurance)

**(Saturday, 26-11-2016)**

**Time : 10.00 a.m. to 1.00 p.m.**

*Time— Three Hours*

*Maximum Marks—80*

*N.B. :— (i) All questions are compulsory.*

*(ii) Figures to the right indicate full marks.*

*(iii) Assume suitable data, if necessary.*

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|-----|--|----|
| 1.  | Attempt the following :  | 20 |
| (a) | Software Reviews.  |    |
| (b) | The Art of Debugging.  |    |
| (c) | Explain cyclomatic complexity.                                     |    |
| (d) | Defect life cycle.   |    |
| 2.  | (a) Explain user acceptance testing in detail.                     | 8  |
|     | (b) Define the defect resolution types in detail.                  | 7  |
|     | <i>Or</i>  |    |
|     | (c) Explain security testing for web apps in detail.               | 8  |
|     | (d) What is testing process in winrunner ?                         | 7  |
| 3.  | (a) What are different test strategies for conventional software ? | 8  |
|     | (b) Explain metrics for testing in detail.                         | 7  |
|     | <i>Or</i>  |    |
|     | (c) Explain FTR in detail.   | 8  |
|     | (d) Explain validation testing in detail.                          | 7  |

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4. (a) What is QTP testing framework ? 8
- (b) Explain software reliability in detail. 7
- Or*
- (c) Explain winrunner welcome screen and its editor buttons. 8
- (d) Explain system testing in detail. 7
5. Write notes on (any *three*) : 15
- (a) Integration testing
- (b) Basic path testing
- (c) Defect Report Format (IEEE 829)
- (d) Performance testing
- (e) Quality concepts.

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