B.E. (Computer Engineering) Eighth Semester (C.B.S.)
Elective-III : (STQA) Software Testing & Quality Assurance

P. Pages : 2

Time : Three Hours

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NRT/KS/19/3713

Max. Marks : 80

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Notes : 1. All questions carry marks as indicated.
2. Solve Question 1 OR Questions No. 2.
3. Solve Question 3 OR Questions No. 4.
4. Solve Question 5 OR Questions No. 6.
5. Solve Question 7 OR Questions No. 8.
6. Solve Question 9 OR Questions No. 10.
7. Solve Question 11 OR Questions No. 12.
8. Assume suitable data whenever necessary.
9. Illustrate your answers whenever necessary with the help of neat sketches.

1.	a)	Explain Integration testing System.	**7**
	b)	Explain Dynamic unit testing with example.	**7**

OR

2.	a)	Differentiate between verification & validation.	**7**
	b)	Explain various phases of testing.	**7**
3.	a)	Explain static unit test environment with suitable diagram.	**7**
	b)	Explain different approaches followed for debugging in unit testing.	**7**

OR

4.	a)	Explain automation tools for unit testing.	**7**
	b)	Explain in detail code review process in low-level testing.	**7**
5.	a)	Write a note on generating test Input.	**6**
	b)	Describe Path selection criteria.	**7**

OR

6.	a)	Explain control flow graph in detail.	**6**
	b)	Explain how test input is generated in control flow testing.	**7**
7.	a)	State the different type of interface error.	**5**
	b)	Explain system regression testing, also explain technique used in interaction testing.	**8**

OR

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8. a) What's are different types of interface error? **6**

b) Explain advantage & disadvantage of sandwich and Big-Bang technique in system integration. **7**

9. a) State & explain different type of documentation test and, stress test. **8**

b) State & explain different type of scalability test. **5**

OR

10. a) What is Robustness test & explain test involved in it. **7**

b) Discuss the preference test. **6**

11. a) Explain in detail Acceptance test report. **7**

b) Explain acceptance criteria. **6**

OR

12. a) Explain ISO 9126 quality characteristic. **6**

b) Discuss ISO 9000:2000 software quality standard fundamentals. **7**

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