CLASS:	BTECH	SEMESTER: VII
BRANCH:	CS & IT	SESSION : MO-22

SUBJECT: IT436 SOFTWARE TESTING

TIME: 03 Hours   FULL MARKS: 50

INSTRUCTIONS:
1. The question paper contains 5 questions each of 10 marks and total 50 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. Tables/Data handbook/Graph paper etc., if applicable, will be supplied to the candidates

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S.No.	Questions	Marks	CO
Q.1(a)	Explain 'Quality' in terms of the generic expectations from any product.	[2]	1
Q.1(b)	Describe the processes related to software quality.	[3]	2
Q.1(c)	Enumerate different quality objectives and describe their applicability in software development and usage.	[5]	3
Q.2(a)	Differentiate between black box and white box testing.	[2]	2
Q.2(b)	Briefly discuss software verification and validation during SDLC.	[3]	4
Q.2(c)	Describe the configuration and defect management. Draw the flow diagram for the Defect Management Life Cycle.	[5]	3
Q.3(a)	Illustrate the level of testing during SDLC.	[2]	2
Q.3(b)	Briefly explain the User Interface,, Object Oriented, and Agile testing	[3]	3
Q.3(c)	Describe different testing tools and also discuss the advantages and disadvantages of tool usage in SDLC.	[5]	5
Q.4(a)	Write short notes on Test Policy and Test Strategy.	[2]	2
Q.4(b)	Critically analyze the roles and responsibilities of test team members.	[3]	4
Q.4(c)	How quantitative and Qualitative tools are useful in data analysis and decision making during and post testing. Give some of the example of such tools.	[5]	5
Q.5(a)	Enumerate the importance of test process improvement.	[2]	3
Q.5(b)	Discuss different levels of 'Testing Maturity Model integration (TMMi).'	[3]	4
Q.5(c)	Enumerate miscellaneous problems pertaining to software test process improvement. Diagrammatically explain the Graphical representation of improvements.	[5]	5

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