P.T.O.

P955

[3664]-344

B.E. (Computer)

SOFTWARE TESTING & QUALITY ASSURANCE

(2003 Course) (410450) SemⅡ

Time	e:3	Hours] [Max. Marks :	100
Instr	uctio	ons to the candidates:	
	1)	Answers to the two sections should be written in separate books.	
	2)	Neat diagrams must be drawn wherever necessary.	
	3)	Figures to the right indicate full marks.	
	4)	Your answers will be valued as a whole.	
		SECTION - I	
Q1)	a)	What is good data? How to store & extract the data?	[10]
	b) ·	Explain the four principles of investigation.	[8]
		OR	
Q2)	a)	How to plan formal experiments? Explain with formal experimentary examples.	nents
	b)	Describe software measurement validation.	[8]
Q3)	a)	Explain the Halstead's software science.	[8]
	b)	Which are the difficulties with the general complexity measures?	[8]
		OR	
Q4)	a)	Which are the object - oriented metrics?	[8]
	b)	Explain the need for internal product attributes measurement.	[8]
Q5)	a)	Write short notes on-	[8]
		i) Measurement tools.	
		ii) Software defects.	
	b)	Explain White-Box testing in detail.	[8]
		OR	
Q6)	a)	Explain equivalence partitioning with example.	[8]
V	b)	Describe user documentation testing.	[8]

SECTION - II

Q7)	Wri	te short notes on - (any three):	[8]
	a)	Integration testing.	
	b)	Acceptance testing.	
	c) .	Scenario testing.	
	d)	Regression testing.	
	e)	Ad-hoc testing.	
		OR	
Q8)	Wri	te a short note on - (any three):	8]
	a)	Test plan.	
	b)	GUI testing.	
	c)	Usability testing.	
	d)	Accessibility testing.	
Q9)	a)	Explain Ishikawa's seven basic tools.	[8]
	b)	Explain the Cause-effect diagram with example.	[8]
		OR	
Q10)a)	Describe the defect removal effectiveness.	[8]
	b)	Explain software maintenance & process maturity level.	[8]
Q11,)a)	How one can make fixation of a problem & test it for any software maintenance?	are [8]
	b)	How can one choose the method of fix distribution?	[8]
		OR	
Q12)a)	How can we distribute the fixation of the problem, prepare & to shipment unit?	est [8]
	b)	Which are the logistics & tooling available for problem reporting? Explain with any problem.	ain [8]

