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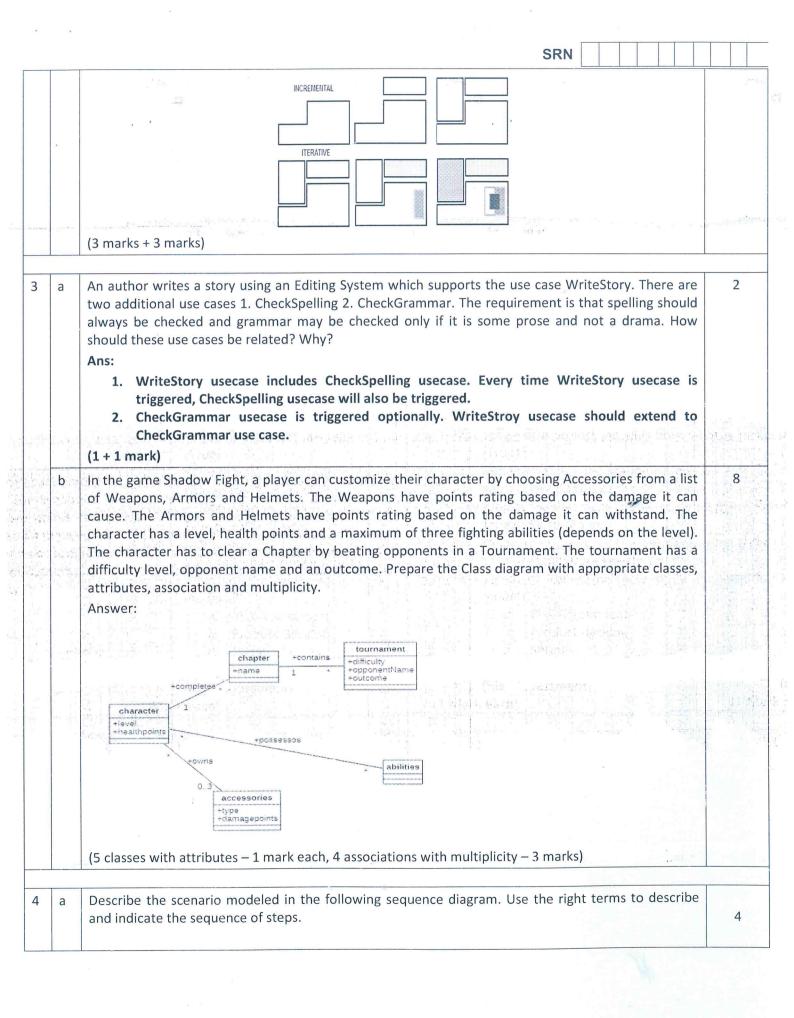


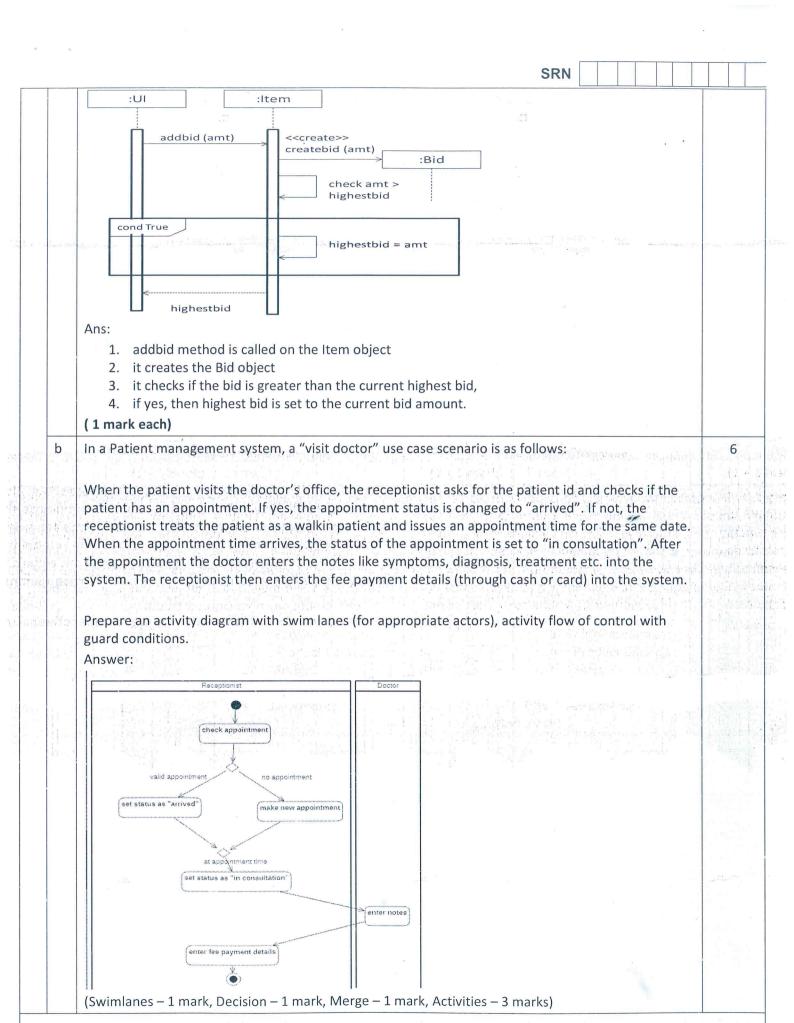
PES UNIVERSITY

UE18CS353

In Semester Assessment (ISA1) B. Tech. 6th SEMESTER – Jan - May-2021 UE18CS353 - Object Oriented Analysis and Design with Software Engineering

Ti	me:	21110.	er All Questions Max Marks: precisely and briefly.	60		
1	а	What are typical usage scenarios where Wate Answer:	erfall SDLC model can be applied?	4		
			s where requirements are well understood			
		ii. Variants are used at a high level in lar	·			
		iii. Product definition is stable and techn				
		iv. Variants used in large globally develo				
		(1 mark each)				
	c Answer the following questions.			6		
			verables in an Agile approach of Software Development.			
		True or False. (False)				
	er i		nat is included and what is not included. True or False.			
		subsequent phases of the developme	s listing out all the features required for use in the ent lifecycle. True or False. (True) d for the development and testing phases of the SDLC.			
70.4	i i i	model, the requirements undergo a lot of iterations and	report to a			
		are finalized before the start of the next phase. Fill in the blank. (Prototype) 6. Which of the following terms is not specific to the SCRUM model (may apply to compare the second				
		models)? a. Risk Assessment				
25		b. Product Backlog				
A. I		c. Sprint				
2.		d. User Stories	was the second	este Ospe		
		(Risk Assessment)				
till.		(1 Mark each)				
2	а	Match the following:		4		
		Requirement Phase	Associated Activity			
		1. Requirement Elicitation	A. Prepare Use case diagram			
		2. Requirement Analysis	B. Customer Review of Requirement			
		3. Requirement Specification	C. Customer Interview			
		4. Requirement Validation	D. Write Requirement Document			
		Answer: 1-C, 2-A, 3-D, 4-B				
	b	delivered whereas Iterative continueIncremental focuses on things not	lopment Models with the help of a diagram. quire going back and changing things that are already es to revisit and refining everything every time implemented, whereas Iterative is more details of the	6		
		 same Incremental does not leverage on leverages learning's. 	the experience/knowledge till then, whereas iterative	-		





		SRN SRN	
5	а	Class C contains an instance of class B and class B contains an instance of class A. Who should have the responsibility of creating an object of class A?	4
		Class C or class B or both?	
		Why?	
		Ans:	
		Class B	
		if class C should create class A, coupling will increase	
8		(2 + 2 marks)	reserved supression record
	b		6
		A Interface B	
	, while the		
	A.S.	State the difference in design between the two UML diagrams given above.	
		Which principle is used in the above design? What is the advantage of this principle?	
		Ans:	the special con-
		In the first, A depends on B. Any change in B would affect A.	
		Dependency inversion principle.	
		The dependency between A and B is removed.	
		(2 + 2 + 2 marks)	
	Weight.	[사용] 전통 1965년 1월 1일	
G I	а	Name the types of Unit testing tools and write a line about them.	4
-		Answer:	
		1. Unit testing framework – provides features like method call, passing parameter, result	
1	r45	comparison and error reporting. No need to write entire test harness.	
W.	4.40	2. Code coverage analyzers – helps find code not covered by test cases.3. Wizards – generate tests from input parameters	
	, J. (1)	4. Record-playback tools – records every user action like keystroke or mouse click for later	
	*	playback	
		(1 mark each)	
	b	Which role prepares the Configuration Management Plan? What does the Configuration Management plan typically contain?	6
		Answer:	
		Configuration Manager prepares the CM Plan. The CM Plan:	
		 Defines the CIs which need to be managed and a naming scheme. 	
		 Defines the CIs which need to be managed and a naming scheme. Defines who takes responsibility for the CM procedures and the creation of baselines. 	
		 Defines who takes responsibility for the CM procedures and the creation of baselines. 	
		 Defines who takes responsibility for the CM procedures and the creation of baselines. Defines policies for change control and version management. Describes the tools which should be used to assist the CM process and any limitations on 	