UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
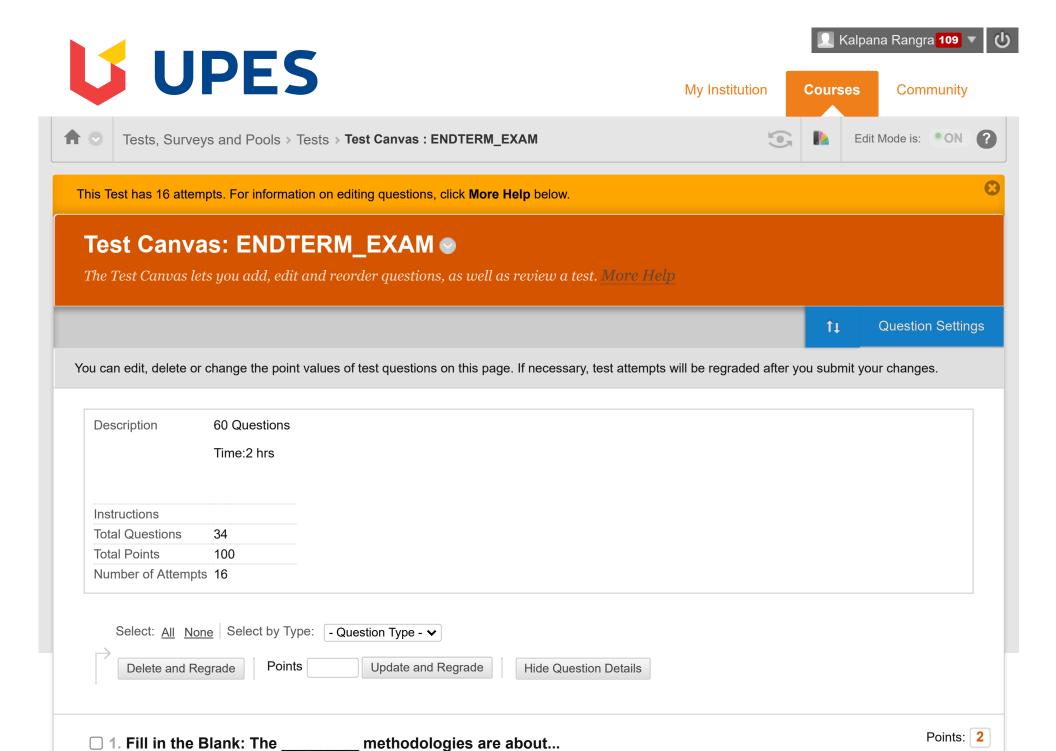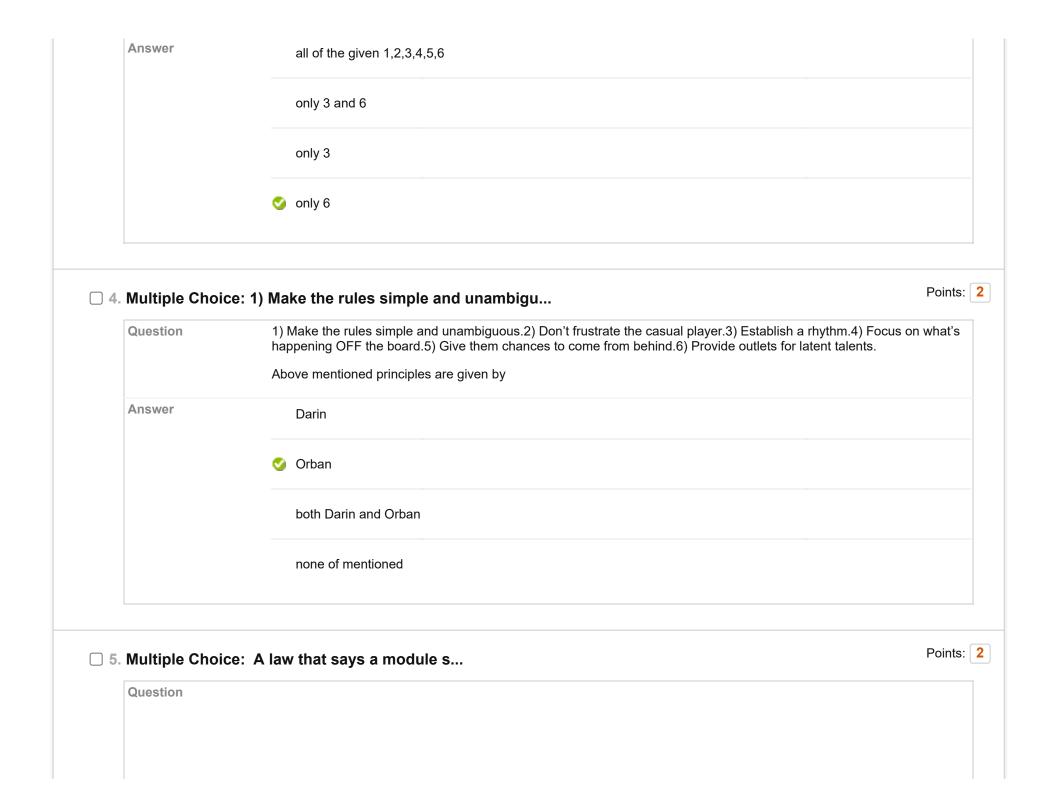**Supplementary End Semester Examination, July 2020**
Course: AGILE PRACTICES in SOFTWARE CRAFTSMANSHIP   Semester: VI
Program: B.Tech (CSE-XEBIA)_DEVOPS   Time 02 hrs.
Course Code: CSSC 3002   Max. Marks: 100

Instructions: Answer the following questions

This Test has 16 attempts. For information on editing questions, click **More Help** below. ✕

Test Canvas: ENDTERM_EXAM ⌄

The Test Canvas lets you add, edit and reorder questions, as well as review a test. *More Help*

⇅   Question Settings

You can edit, delete or change the point values of test questions on this page. If necessary, test attempts will be regraded after you submit your changes.

Description	60 Questions
	Time:2 hrs

Instructions	
Total Questions	34
Total Points	100
Number of Attempts	16

Select: All None   Select by Type: - Question Type - ⌄

Delete and Regrade | Points [   ] Update and Regrade | Hide Question Details

☐ 1. **Fill in the Blank: The _____ methodologies are about...**   Points: **2**

Question	The _____ methodologies are about frequent delivery,close communication, and reflective improvement.	
Evaluation Method	**Answer**	**Case Sensitivity**
Exact Match	crystal	

2. Fill in the Blank: The _____genetic code consist...

Points: **2**

Question	The _____genetic code consists of six elements:	
	·The cooperative game mindset·	
	The methodology design priorities·	
	The methodology design principles·	
	The seven properties of highly successful projects·	
	Techniques selected per personal discretion, but with"interesting" starter techniques to consider·	
	Sample methodologies to copy from	
Evaluation Method	**Answer**	**Case Sensitivity**
Exact Match	crystal	

3. Multiple Choice: 1. Use Exceptions Rather Than Return ...

Points: **2**

Question	1. Use Exceptions Rather Than Return Codes
	2. Write Your Try-Catch-Finally Statement First
	3. Use Unchecked Exceptions
	4. Provide Context with Exceptions
	5. Define Exception Classes in Terms of a Caller's Needs
	6. You can pass and return Null
	Which of the following is incorrect with respect to error handling in clean coding practices

Answer	
	all of the given 1,2,3,4,5,6
	only 3 and 6
	only 3
✅	only 6

☐ **4. Multiple Choice: 1) Make the rules simple and unambigu...**   Points: **2**

Question	1) Make the rules simple and unambiguous.2) Don't frustrate the casual player.3) Establish a rhythm.4) Focus on what's happening OFF the board.5) Give them chances to come from behind.6) Provide outlets for latent talents.
	Above mentioned principles are given by

Answer	
	Darin
✅	Orban
	both Darin and Orban
	none of mentioned

☐ **5. Multiple Choice: A law that says a module s...**   Points: **2**

Question	

A law that says a module should not know about the innards of the objects it manipulates.. This means that an object should not expose its internal structure through accessors because to do so is to expose, rather than to hide, its internal structure.

This law is

Answer

✅ law of demeter

Liskovs principle

open closed principle

inversion rule

☐ 6. **Multiple Choice: The quintessential form of a data str...**

Points: **2**

Question   The quintessential form of a data structure is a class with public variables and no functions

Answer

✅ Data Transfer objects

Abstract Class

Interfaces

functions

☐ 7. **True / False: Classes and objects should verb or ve...**

Points: **2**

Question

Classes and objects should verb or verb phrase for clean coding

Answer	True
	✅ False

---

8. True / False: The following code does ...

Points: **2**

Question	

```
                         if (includeSuiteSetup) {
                           WikiPage suiteTeardown =
                             PageCrawlerImpl.getInheritedPage(
                                   SuiteResponder.SUITE_TEARDOWN_NAME,
                                   wikiPage
                           );
                           if (suiteTeardown != null) {
                             WikiPagePath pagePath =
                               suiteTeardown.getPageCrawler().getFullPath (suiteTeardown);
                             String pagePathName = PathParser.render(pagePath);
                             buffer.append("!include -teardown .")
                                   .append(pagePathName)
                                   .append("\n");
                           }
                         }
                       }
                       pageData.setContent(buffer.toString());
                       return pageData.getHtml();
                     }|
```

The following code does not needs refactoring for better understanding

Answer	True
	✅ False

---

9. Fill in the Blank: _____ is simple and direct. ...

Points: **2**

Question	_____ is simple and direct. Clean code reads like well-written prose. It never obscures the designer's intent but rather is full of crisp abstractions and straightforward lines of control.

Evaluation Method	Answer	Case Sensitivity
Pattern Match	clean code	

10. Fill in the Blank: Classes and objects should have _____

Points: **2**

Question	Classes and objects should have _____	
Evaluation Method	**Answer**	**Case Sensitivity**
Contains	noun, noun phrase	

---

11. Multiple Choice: 21: A tool used to identify andeliminate ...

Points: **2**

Question	A tool used to identify andeliminate non value-added activities within theirValue Streams is
Answer	✅ Streammapping
	Professional Efficiency
	TVA
	none of the given

---

12. Multiple Choice: 21: Create continuous flow, without in...

Points: **2**

Question	- Create continuous flow, without interruption betweenprocesses - The reduction of batch sizes to 'Single PieceFlow'(SPF) - Product processed at each step and immediatelypassed to the next process - Key step to improving product flow through thevalue stream. The above mentioned features belong to which lean principle
Answer	Value Streaming
	✅ Flow

Pull

Perfection

☐ **13. True / False: 17: It's always a good idea to get your Q...**   Points: **2**

Question	It's always a good idea to get your QA and testing team involved in the refactoring process.
Answer	✅ True
	False

☐ **14. True / False: 18: Preparatory refactoring is done whe...**   Points: **2**

Question	Preparatory refactoring is done when developer notices that the code needs to be updated at that moment and developer is doing his or her part to reduce future technical debt.
Answer	✅ True
	False

☐ **15. True / False: 19: The tewaking interactions betwee...**   Points: **2**

Question	The tewaking interactions between classes are called by moving objects between classes
Answer	True

False

16. **True / False: Simplifying methods call tweaking&nbs...**

Points: **2**

Question	Simplifying methods call tweaking interactions between classes
Answer	✅ True
	False

17. **True / False: 20: The concept of identifying 7 waste is...**

Points: **2**

Question	The concept of identifying 7 waste is covered in value streaming principle of lean aspects
Answer	True
	✅ False

18. **True / False: 20: Process Efficiency is a measure of wa...**

Points: **2**

Question	Process Efficiency is a measure of waste in Valuestream
Answer	✅ True
	False

19. **Short Answer: 10: "The swamp game let the team explore ...**

Points: **10**

Question	"The swamp game let the team explore heads in different stratagies". In this context explain swamp game and how does it brings compitition with cooperation?
Answer	

20. **Short Answer: What are some of the key i...**
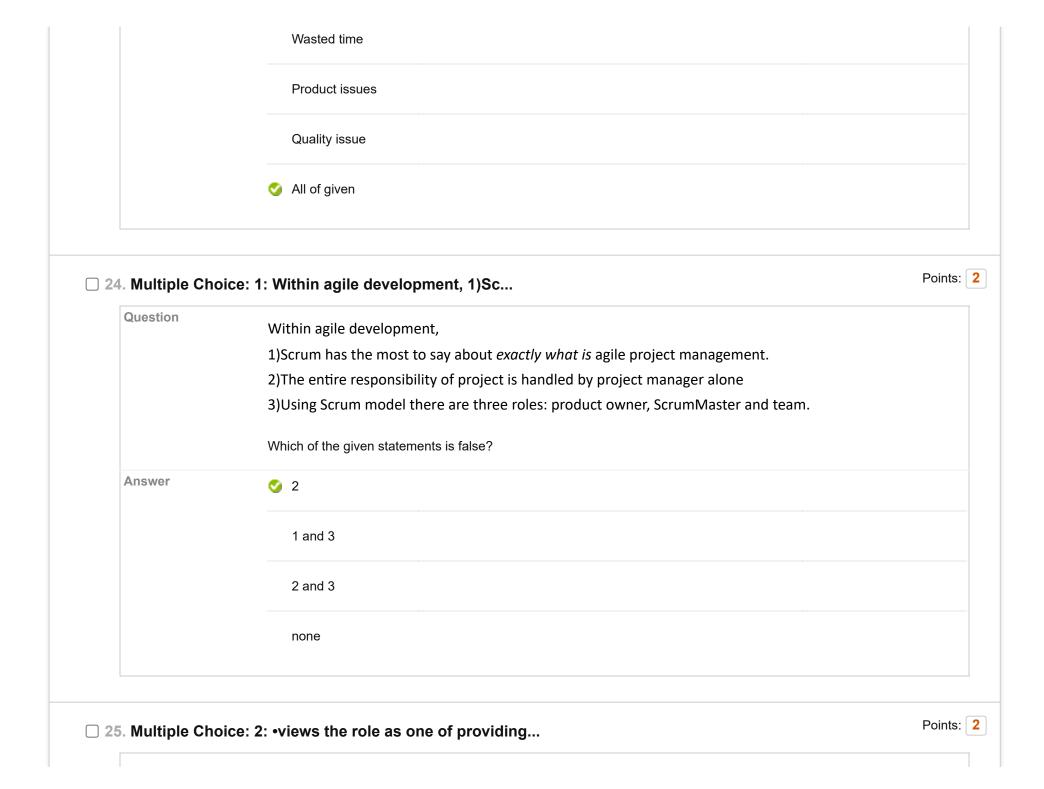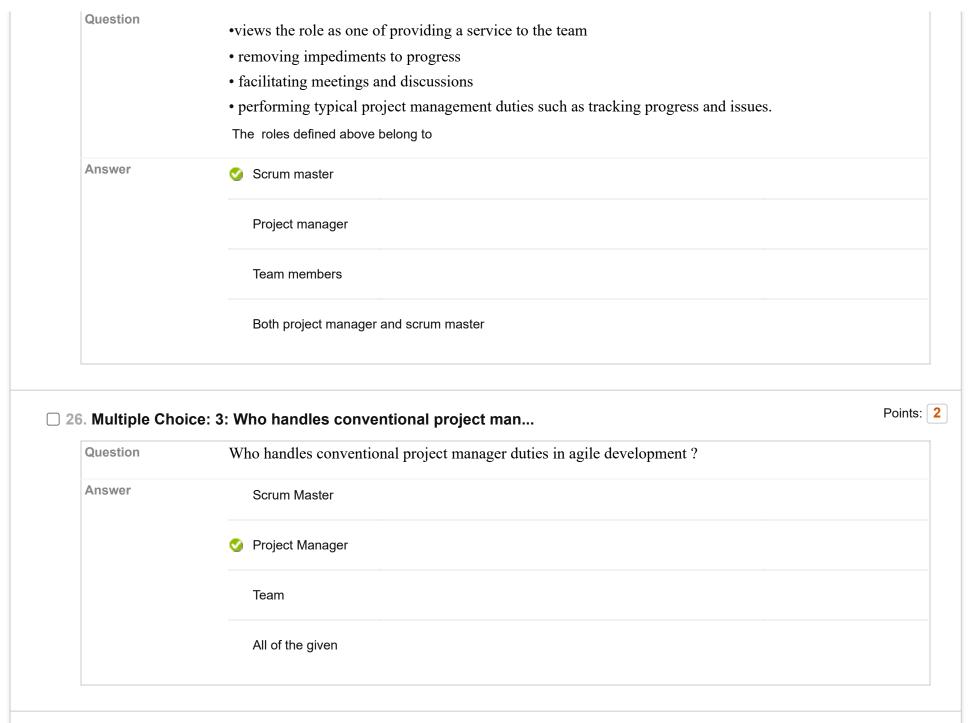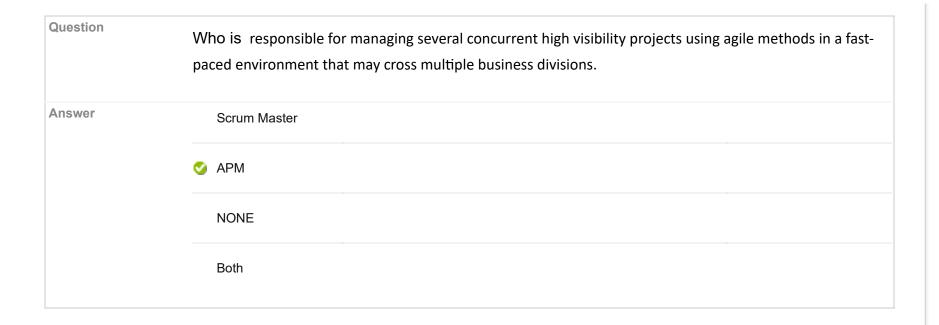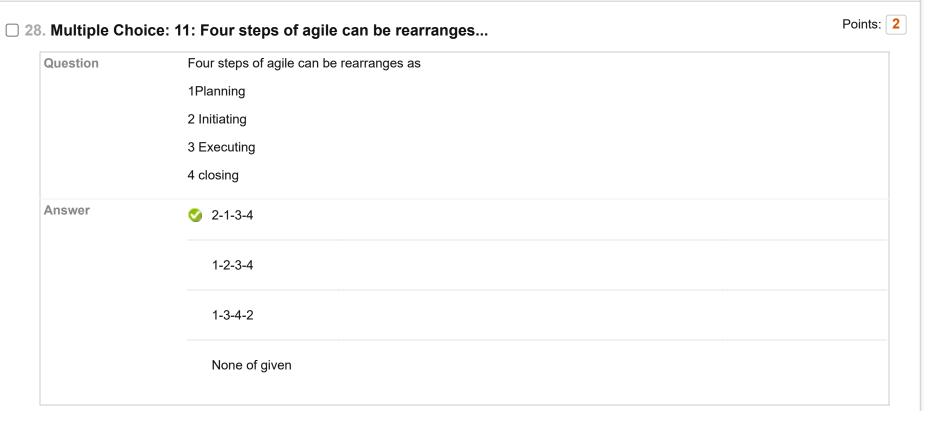
Points: **10**

Question	What are some of the key issues that a team must address before they've really got User Stories cracked?Create a user story for an application that traces and issues emergency help to covid patients?
Answer	

☐ **21. Short Answer: 9: How can a user story be expressed as&...**   Points: **10**

Question	How can a user story be expressed as as Independent Vertical Slices?
Answer	

☐ **22. Multiple Choice: 8: Not All Backlog Items are User Storie...**   Points: **2**

Question	Not All Backlog Items are User Stories, But All User StoriesShould be "Vertical Slices". Choose the appropriate in context with given statement
Answer	May be
	May be not
	✅ Always true
	Always false

☐ **23. Multiple Choice: 7: What are the symptoms of bad user sto...**   Points: **2**

Question	What are the symptoms of bad user stories
Answer	

Wasted time

Product issues

Quality issue

✅ All of given

☐ **24. Multiple Choice: 1: Within agile development, 1)Sc...** Points: **2**

Question

Within agile development,

1)Scrum has the most to say about *exactly what is* agile project management.

2)The entire responsibility of project is handled by project manager alone

3)Using Scrum model there are three roles: product owner, ScrumMaster and team.

Which of the given statements is false?

Answer

✅ 2

1 and 3

2 and 3

☐ **25. Multiple Choice: 2: •views the role as one of providing...** Points: **2**

Question

•views the role as one of providing a service to the team

• removing impediments to progress

• facilitating meetings and discussions

• performing typical project management duties such as tracking progress and issues.

The roles defined above belong to

Answer

✅ Scrum master

Project manager

Team members

Both project manager and scrum master

☐ **26. Multiple Choice: 3: Who handles conventional project man...**   Points: **2**

Question   Who handles conventional project manager duties in agile development ?

Answer   Scrum Master

✅ Project Manager

Team

All of the given

☐ **27. Multiple Choice: 4: Who is responsible for managi...**   Points: **2**

Question

Who is responsible for managing several concurrent high visibility projects using agile methods in a fast-paced environment that may cross multiple business divisions.

Answer

Scrum Master

✅ APM

NONE

Both

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28. **Multiple Choice: 11: Four steps of agile can be rearranges...**

Points: 2

Question

Four steps of agile can be rearranges as

1Planning

2 Initiating

3 Executing

4 closing

Answer

✅ 2-1-3-4

1-2-3-4

1-3-4-2

None of given

29. Multiple Choice: 12: 1.The Agile Project Manager (APM) is ...

Points: **2**

Question	1.The Agile Project Manager (APM) is responsible for planning, leading, organizing, and motivating Agile project teams. 2..Achieve a high level of performance and quality 3.Deliver agile projects that provide exceptional business value to users 4.The APM may not be responsible for managing several concurrent high visibility projects using agile methods in a fast-paced environment that may cross multiple business divisions Which of the following are true in context with role of APM
Answer	✅ only 1,2,3
	All 1,2,3,4
	only 4
	1,3,4

30. Multiple Choice: 13: Using good judgment and skill t...

Points: **2**

Question	Using good judgment and skill to develop project management approach that is suitable for planning and managing belong to which category of manager roles
Answer	✅ Hybrid
	enterprise

Team

All of the given

☐ **31. Multiple Choice: 14: Pull up/Push down belongs to which ap...**   Points: **2**

Question	Pull up/Push down belongs to which approach of refactoring
Answer	✅ Abstraction
	Replacement
	composing
	simplifying

☐ **32. Multiple Choice: 15: Refactoring is required when 1...**   Points: **2**

Question	Refactoring is required when
	1. When **an application needs to be completely revamped** from the start.
	2. Trying to get a product to market within a set time frame.
	3. A dditional coding or testing to an already tight timeline and additional cost for client.
	4. A part of a software update as opposed to a separate refactoring process.
Answer	✅ only 4

1,2,3

1.3.4

All of the mentioned 1,2,3,4

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33. Multiple Choice: 15: 1.Refactor first before adding any ...

Points: **2**

Question

1.Refactor first before adding any new features

2.Plan your refactoring project and timeline
carefully

3.Test often

4.Get your QA team involved

Which of the following are not to be followed before refactoring

Answer

✅ none of mentioned

only 4

1,2,3

All of the mentioned

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34. Short Answer: 5: Compare the roles of Scrum master and...

Points: **10**

Question   Compare the roles of Scrum master and Product Manager?What are the potential roles of APM

Answer   .

Select: <u>All</u> <u>None</u>   Select by Type: - Question Type - ⌄

Delete and Regrade   Points [＿＿＿＿]   Update and Regrade   Hide Question Details

← OK