PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF ENGINEERING
END TERM EXAMINATION - JAN 2023

Semester : Semester V - 2020
Course Code : CSE3040
Course Name : Sem V - CSE3040 - Agile Structures and Frame Works
Program : B.Tech. CDV

Date : 11-JAN-2023
Time : 9.30AM - 12.30PM
Max Marks : 100
Weightage : 50%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 3 parts.
(iii) Scientific and non-programmable calculator are permitted.

PART A

ANSWER ALL THE TEN QUESTIONS   **10 X 2 = 20M**

1. Explain, team wotk, interaction with client are interegated part of the Agile Manifesto?

   (CO1) [Knowledge]

2. Explain the features of evolutionary models with several iterations that occurs in a given sequence.

   (CO1) [Knowledge]

3. How Moore-style vision statement supports to conduct an "Evolutionary Requirement Analysis"?

   (CO2) [Knowledge]

4. Why "Plan the Work-Work the Plan", is conflicting with the adaptive agile planning methodology?

   (CO2) [Knowledge]

5. Why the Agile based project development is better , when low-functionality version of the product distributed to customers at an early stage ?

   (CO2) [Knowledge]

6. Outline any four duties of Scrum Master to make sure that his team is working as realistically as possible with Scrum values.

   (CO3) [Knowledge]

7. Describe elaboration phase and Inception in Unified Agile SDLC.

   (CO3) [Knowledge]

8. Describe the "pair programming" concept for Extreme (XP) Agile Method .

   (CO3) [Knowledge]

9. Explain the following terms: Direct, Indirect, and Surrogate for measurement of Agile Metrics.

   (CO4) [Knowledge]

10. How JIRA support collaboration and communication in distributed Agile development tools?

   (CO4) [Knowledge]

PART B

ANSWER ALL THE FIVE QUESTIONS   **5 X 10 = 50M**

11. (a) Elaborate in Iterative and Evolutionary the High user involvement, Executive support, and Clear business objectives.
(b) How Agile processes promote sustainable development with continues involvement   sponsors, developers, and users ?

                                                    (CO1) [Comprehension]

12. Justify Traditional Software Development Model attracts   the several high-risk and complicated elements at the end of a project.

                                                    (CO2) [Comprehension]

13. (a) Elaborate implementation and Deployment workflow to identify Agile Unified Process.
(b) Illustrate the role of daily standing   meetings in quick delivery of Sprint requirements.

                                         (CO2,CO3) [Comprehension]

14. Explain the following Agile Effort Estimation Techniques.
Planning Poker,
Bucket System,
Large/Uncertain/Small,
Dot Voting,
T-shirt sizes.   (CO3) [Comprehension]

15. (a) Illustrate how the Client Driven Adaptive Model in an Agile Framework maintains Quality?
(b) Explain in detail feature -driven short-iteration process that consists of five basic activities.

                                         (CO4) [Comprehension]

PART C

ANSWER ALL THE TWO QUESTIONS   **2 X 15 = 30M**

16. (a) Modern Cars is a leading car rental service provider around the globe. The Modern cars wants to improve its customer base and it introduces a new offer to its customer. The manager of the Modern Cars meets you and explain the following scenario in order design an attractive web page. The Modern Car company wants to introduce a new policy called "Fit In your Budget" and it has the following features:
If a customer rents a car for one month, get a 25 % discount on the rent amount as well as get gift voucher worth 2500 INR + free fuel of 1000 Rs.
Apply Priority Table concept for User Stories and task prioritization, which includes drawing shapes of different types, text elements, cartoon character. Coin your catchy slogan for this scheme and paste its home page as a hyperlink. Use the text minimally and express the concept through visuals/graphics. The webpage design should reflect the above business concept.

(b) How application of cloud-based GitLab helps organizations to improve operations in agile project management?   (CO4) [Application]

17. (a) Explain the application of, "Agility and Quality Assurance" to support for Quickly Altering Company Requirements.
(b)How a Scrum Master uses   communication as a medium of collaboration even distribution for building confidence and integrity among the   team members in distributed agile software development?

                                         (CO3,CO4) [Application]

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