VIRINCHI COLLEGE

MID TERM EXAMINATION FEB 2021

SUBJECT CODE	:	**CAS400**
SUBJECT NAME	:	**AGILE SOFTWARE DEVELOPMENT**
LEVEL	:	**BACHELOR'S DEGREE**
TIME / DURATION	:	**8 AM / 1 HOUR**
DATE	:	**11th FEBRUARY**

INSTRUCTIONS TO CANDIDATES

1. Please read the instructions given in the question paper CAREFULLY.

2. Answer ALL questions.

3. Please write your answers in the answer sheet.

4. Answer all questions in English.

TOTAL MARKS: 25
INSTRUCTION: Answer ALL questions.
Section A

A. Multiple Choice Questions (Total 10 Marks)

a. Agile promotes servant-leadership. Which of the following is usually not considered a servant-leadership skill?
      A. Remove impediments to the progress
      B. Shield the team from interruptions
      C. Carry food and water
      D. Backlog grooming

b. Maria, Product Owner, with the help of the development team prepares the list of risky items. Maria just began the role of Product Owner. She approached Sara, Scrum Master, on how to manage risky items. What Sara should recommend to Maria?
      A. Wait till more information becomes available
      B. Implement risky items as early as possible
      C. In any given iteration there should be mixture of risky and non-risky items
      D. Delay the implementation of risky items so that if information comes not to implement it then drop those items

c. The scope of the project is defined in _____ phase.
      A. Inception
      B. Elaboration
      C. Construction
      D. Transition

d. An Object-oriented program is structured as a community of interacting agents, called _____.
      A. Objects
      B. Classes
      C. Functions
      D. Statements

e. INVEST stands for _____.
      A. Independent, Negligible, Valuable, Estimable, Small, Testable
      B. Independent, Negotiable, Viable, Estimable, Small, Testable
      C. Independent, Negotiable, Valuable, Estimable, Small, Testable
      D. Independent, Negligible, Viable, Estimable, Smell, Testable

f. _____ is NOT the purpose of Retrospective Meeting?
      A. Revise the Agile process and Framework
      B. Review the latest tasks released
      C. Revise the development process
      D. None of the mentioned

g. _____ requires pair programming.
      A. UP / RUP
      B. TDD
      C. Agile / XP
      D. JAD

h. The Definition of Done is _____.
      A. A development process models for teams
      B. Is an agreement the team creates to define potentially shippable software
      C. Is created by management and distributed to all teams to follow

D. Is the same for all teams and doesn't change

i. Incremental development in Extreme Programming (XP) is supported through a system release once every month.

    A. True

    B. False

j. An excellent tool to visualize the correlation between the amount of work remaining at any point of time and the progress of the project team is called _____.

    A. Gantt chart

    B. Sprint Backlog

    C. Burn down chart

    D. Earned value technique

Section B

1. Agile promotes servant-leadership. Describe with better illustration. (5 Marks)

2. Let us suppose your company is going to take a project on department store software. Suppose there are only facilities for card and hand cash payment systems. (10 Marks)
   a. Construct the relationship between different classes using Open Close Principle (OCP) for developing software.
   b. If the departmental manager wants to add an online transaction feature, then use Interface Segregation Principle (ISP) for this task.

END OF QUESTION PAPER