NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES (FAST), LAHORE CAMPUS
Software Engineering Technologies (CS527) – Fall 2018

FINAL EXAM - OBJECTIVE PART

Total Marks: 12   Total
Time: 20 mins

Instructions: This is a closed book, *NO* aid exam. No reference material of *ANY* kind is allowed in the exam room. No Mobile/smart phones on your desk or around you. **Answer ALL questions in Sections I and II below – on the question paper.** Return the questions paper with answers at the end of the time limit for the Objective Part.

Section I - Answer multiple choice questions below by clearly marking one or more option(s) that best answers the question. Each questions carries 0.5 marks.

1. What is the role of Management in Scrum?
    a. To continually monitor staffing levels of the Development Team
    b. To monitor the Development Team's productivity
    c. **Management supports the Product Owner with insights and information into high value product and system capabilities.**
    d. To monitor the Sprint progress and people management

2. Which statement best describes a Product Owner's responsibility?
    a. **Optimizing the value of the work the Development Team does**
    b. Directing the Development Team
    c. Managing the project and ensuring that the work meets the commitments to the stakeholders
    d. Keeping stakeholders at bay.

3. When is a Sprint over?
    a. When all Sprint Backlog items meet their definition of done
    b. When the Product Owner approves that it is done
    c. When all the tasks are completed
    d. **When the timebox expires**

4. Control flow in imperative programming is
    a. Implicit
    b. **explicit**
    c. procedural
    d. declarative

5. It describes the physical distribution of the functionality and components on separate servers, computers, networks, or remote locations
    a. Layer
    b. Logical Layering
    c. **Tier**
    d. Physical Layering

6. The waterfall model is an example of a plan-driven process
   a. **True**
   b. False

7. The three pillars of empirical process control are:
   a. Respect For People, Kaizen, Eliminating Waste
   b. Planning, Demonstration, Retrospective
   c. **Inspection, Transparency, Adaptation**
   d. Planning, Inspection, Adaptation
   e. Transparency, Eliminating Waste, Kaizen

8. You are a new project manager that is replacing a previous project manager. You want to know more about the scope baseline of the project. Which three documents will be most useful to you?
   a. Project Management Plan, Scope Management Plan, WBS
   b. Scope Management Plan, WBS, WBS Dictionary
   c. **Project scope statement, WBS, WBS Dictionary**
   d. Project scope statement, Scope Management Plan, WBS

9. Which of the following can be BEST described as a characteristic of Work Package?
   a. May or may not be cost estimated
   b. Can be further decomposed into work packages
   c. May be monitored subject to nature of the project
   d. **Can be scheduled**

10. Which of the following is not a process in the Project Integration Management process group?
    a. **Identify Project Sponsor**
    b. Develop project charter
    c. Close project or phase
    d. Monitor and Control Project work

11. All the following happen in the Initiating process with the exception of
    a. Determine stakeholders
    b. **Choose the project team**
    c. Identify processes and standards
    d. Create the project charter

12. The hierarchical representation of resources by category and type, which is useful for organizing and reporting project schedule with resource utilization information is known as
    a. WBS
    b. Activity Resource requirements
    c. **Resource breakdown Structure**
    d. None of the above

Section II - Fill in the blanks with appropriate answer(s). Each question carries 1 mark.

13. Language that is purposely designed to allow programming in many paradigms is called a _____ (multi-paradigm language)

14. _____ step is performed _____ throughout the ordered process. (Pervasive, continuously).

15. The _____ presents the guest operating systems with a virtual operating platform. (hypervisor)

16. Logic programming is a paradigm in which programs are built by setting up relations that specify _____ and inference _____ (facts, rules)

17. A _____ is an agile project management tool designed to help visualize work. (Kanban Board)

18. _____ a collection of independent computers that appears to the user as a single coherent system (Distributed System)