



**UCSC**

**University of Colombo, Sri Lanka**

*University of Colombo School of Computing*



**DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY  
( EXTERNAL)**

Academic Year 2022 — 2<sup>nd</sup> Year Examination — Semester 4

**IT4306 — Information Technology Project Management**

*Part 1 - Multiple Choice Question Paper*  
(1 Hour)

**Important Instructions**

- This paper has **two (2) parts, Part 1 and Part 2**.
- The duration of this part (Part 1) is **1 Hour**.
- The medium of instructions and questions is English.
- This paper has **25 questions** on **8 pages**. Answer **all** questions.
- All questions are of the **MCQ** (Multiple Choice Questions) type.
- Each question will have **5 (five)** choices with **one or more** correct answers.
- This paper consists of 100 marks and all the questions will carry equal marks.
- There will be a penalty for incorrect responses to discourage guessing.
- The mark given for a question will vary from -1 (All the incorrect choices are marked & no correct choices are marked) to +1 (All the correct choices are marked & no incorrect choices are marked). However, **the minimum mark per question would be zero**.
- Answers should be marked on the **special answer sheet** provided.
- Note that questions appear on both sides of the paper. If a page is not printed, please inform the supervisor/invigilator immediately.
- Mark the correct choices on the question paper first and then transfer them to the given answer sheet which will be machine marked. **Please completely read and follow the instructions given on the other side of the answer sheet before you shade your correct choices.**
- Non Programmable Calculators are allowed.
- *All Rights Reserved*. This question paper can NOT be used without proper permission from the University of Colombo School of Computing.

1. Which of the following are a part of the triple constraint?
  - a. Cost
  - b. Frequency
  - c. Quality
  - d. Scope
  - e. Time
  
2. Which of the following is/are project management knowledge areas?
  - a. Account Management
  - b. Cost Management
  - c. Project Integration Management
  - d. Risk Management
  - e. Scope Management
  
3. Which of the following is/are tools and techniques available for resource management?
  - a. Checklists
  - b. Fishbone diagrams
  - c. Project organizational charts
  - d. Responsibility assessment matrices
  - e. Templates
  
4. Which of the following factors contribute most to Information Technology project success?
  - a. Agile Process
  - b. Clear Business Objectives
  - c. Emotional Maturity
  - d. Optimization
  - e. User Involvement

5. Which of the following leadership approaches focuses on relationships and community first, with leadership taking a secondary role?
- a. Charismatic
  - b. Interactional
  - c. Laisses-faire
  - d. Servant Leader
  - e. Transformational
6. Which of the following is/are attributes of a project?
- a. Projects are unique
  - b. Projects are developed using progressive elaboration
  - c. Projects have a sponsor
  - d. Projects involve uncertainty
  - e. Projects have no duration
7. Which of the following is/are **not** the goal of project management?
- a. External goal
  - b. Internal goal
  - c. Portfolio goal
  - d. Strategic goal
  - e. Tactical goal
8. Which of the following is/are a part of the SMART criteria?
- a. Smart, Assignable, Realistic
  - b. Smart, Meaningful, Assignable
  - c. Shareable, Realistic, Time-framed
  - d. Specific, Modelling, Realistic
  - e. Specific, Measurable, Time-framed

9. What are the three basic IT project portfolio categories?

- a. Core
- b. Cost
- c. Growth
- d. Quality
- e. Venture

Consider the following technical issues associated with a project of providing tablet PCs for a university community and answer questions 10 to 12.

- i. What will the tablet project cost the university?
- ii. What will it cost students?
- iii. Who will develop special applications or books for the tablets?
- iv. Who will train students, faculty, and staff?
- v. What applications will be required?
- vi. What will the hardware specifications be?

10. Which of the above technological issues are associated with the organizational sphere in the three-sphere model?

- a. i only
- b. i and ii only
- c. iii and iv only
- d. iii, iv and v only
- e. i, iii and vi only

11. Which of the above technological issues are associated with the business sphere in the three-sphere model?

- a. i only
- b. i and ii only
- c. i, ii and vi only
- d. iii, iv and v only
- e. iii, iv and vi only

12. Which of the above technological issues are associated with the technology sphere in the three-sphere model?
- a. i and ii only
  - b. i, and vi only
  - c. v and vi only
  - d. iii, iv and vi only
  - e. iv, v and vi only
13. Which of the following are parts of the four frames of organizations?
- a. Human Resource Frame
  - b. Political Frame
  - c. Schedule Frame
  - d. Structural Frame
  - e. Symbolic Frame
14. Which of the following represent/s characteristics of organizational culture?
- a. Control
  - b. Cost emphasis
  - c. Conflict resolution
  - d. Group emphasis
  - e. Open-systems focus
15. According to the Project Management Institute (PMI), which development lifecycle among the following is the waterfall development cycle?
- a. Adaptive life cycle
  - b. Hybrid life cycle
  - c. Iterative life cycle
  - d. Incremental life cycle
  - e. Predictive life cycle

16. According to the Project Management Institute (PMI), which is called the agile or change-driven development lifecycle?
- a. Adaptive life cycle
  - b. Hybrid life cycle
  - c. Iterative life cycle
  - d. Incremental life cycle
  - e. Predictive life cycle
17. Which of the following is/are factors influencing the success of virtual teams?
- a. Conflict avoidance
  - b. Cultural difference
  - c. Flat structure of command
  - d. Incentives
  - e. Technological independence of the team
18. Which of the following is/are not related to the scrum framework?
- a. Daily sprint
  - b. Product catalogue
  - c. Scrum master
  - d. Sprint backlog
  - e. Sprint
19. Which of the following techniques is/are used to shorten a project schedule using the critical path?
- a. Activity on arrow diagrams
  - b. Crashing
  - c. Fast tracking
  - d. Pareto charts
  - e. Theory of Constraints

20. A white diamond symbol on a tracking Gantt chart represents a
- a. Baseline date
  - b. Critical path
  - c. Slack
  - d. Schedule task
  - e. Slipped milestone
21. Which of the following is/are **true** about free slack?
- a. It represents the earliest possible date that an activity can start.
  - b. It is the time an activity can be delayed from its earliest start without delaying the planned project finish date.
  - c. It means the same thing as free float.
  - d. It represents the latest possible date an activity can start without affecting the finish date.
  - e. It is the amount of time that an activity can be delayed without delaying the earliest start date of any immediately following activities.
22. Which of the following is/are agile methodologies?
- a. Crystal
  - b. Lean Development
  - c. Kanban
  - d. Pair Programming
  - e. Extreme Programming
23. Which of the following outputs is/are relevant to the project schedule management knowledge area?
- a. Activity list
  - b. Basis of estimates
  - c. Cost estimates
  - d. Scope baseline
  - e. Team charter

24. Which of the following knowledge areas would have “change requests” as an output?

- a. Project cost management
- b. Project communication management
- c. Project risk management
- d. Project schedule management
- e. Project stakeholder management

25. Which of the following diagrams enable you to determine whether a given process is in or out of control?

- a. Burndown chart
- b. Cause and effect diagram
- c. Control chart
- d. Control panel diagram
- e. Run chart

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