



UCSC

University of Colombo, Sri Lanka

University of Colombo School of Computing



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

Academic Year 2021 — 2nd 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 clearly defines what is meant by a Laissez-faire style of leadership?
 - a) A leadership style that leaves the teams to determine their own goals and achieve them.
 - b) A leadership approach that focus on achieving goals or compliance by offering team members appropriate rewards and punishments.
 - c) A leadership style that empowers others and guides change through inspiration.
 - d) A leadership style that focuses on relationships and community first.
 - e) A leadership style that inspires others based on their enthusiasm and confidence.
2. Which of the following is a/are part(s) of the triple constraint of project management?
 - a) Meeting communications goals
 - b) Meeting cost goals
 - c) Meeting stakeholder demands
 - d) Meeting scope goals
 - e) Meeting time goals
3. Which of the following is the goal of project portfolio management?
 - a) External goal
 - b) Internal goal
 - c) Portfolio goal
 - d) Strategic goal
 - e) Tactical goal
4. Which of the following is the goal of project management?
 - a) External goal
 - b) Internal goal
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 - d) Strategic goal
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5. What would be the best way to manage several application development projects for the same functional group?
- a) Collaboration
 - b) Investment
 - c) Outsource
 - d) Portfolio
 - e) Program
6. Which of the following options accurately list(s) frames of organizations?
- a) Architecture frame and organizational frame
 - b) Cost frame and resource frame
 - c) Logical frame and physical frame
 - d) Political frame and Human Resource frame
 - e) Structural frame and symbolic frame
7. Which of the following options accurately represent(s) characteristics of organizational culture?
- a) Conflict resolution
 - b) Individual emphasis
 - c) Mean-ends orientation
 - d) Open systems focus
 - e) Unit integration
8. Which of the following factors is/are essential in deciding which development life cycle to use for a given project?
- a) Estimated budget
 - b) Frequency of delivery
 - c) Stability of requirements
 - d) Technical competency of the team
 - e) Technology stack

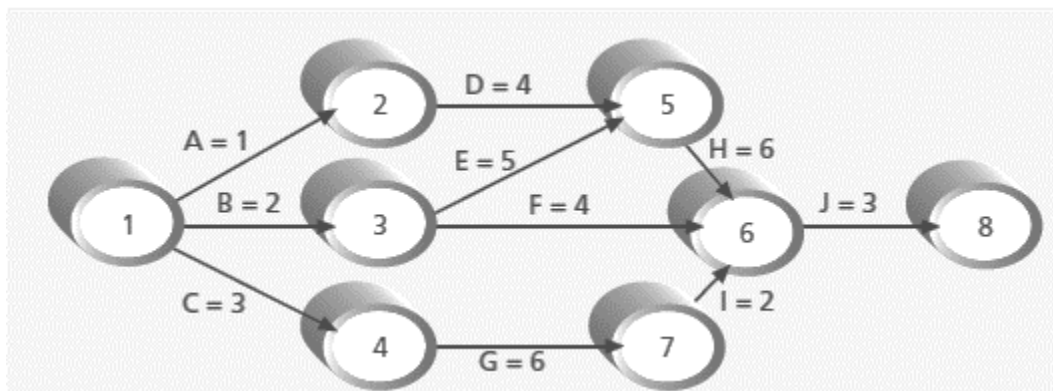
9. Which product development cycle is associated with the waterfall model?
- a) Adaptive lifecycle
 - b) Hybrid lifecycle
 - c) Incremental lifecycle
 - d) Iterative lifecycle
 - e) Predictive lifecycle
10. Which of the following statement is/are true regarding virtual project teams?
- a) They increase the potential for communication problems among members
 - b) They represent people who work together using communication technologies despite time and space boundaries
 - c) Team members of a virtual team have to reside in the same country
 - d) They lower the overall costs of the project
 - e) They increase the potential for team members to network or transfer information
11. What is the leading Agile development method in the present context?
- a) Crystal
 - b) Extreme Programming
 - c) Kanban
 - d) Lean Development
 - e) Scrum
12. Which of the following is a/are (a) part of project integration management?
- a) Closing the project
 - b) Developing the project business case
 - c) Developing the project charter
 - d) Developing the project management plan
 - e) Maintaining Budget

13. Which of the following is/are **not** (a) method(s) for selecting a project?
- a) Categorizing IT projects
 - b) Focusing on the individual needs
 - c) Implementing a balanced scorecard
 - d) Performing Net Present Value calculations
 - e) Using a weighted scoring model
14. What tool(s) and technique(s) is/are used for all processes associated with project integration management?
- a) Agreements
 - b) Defect reports
 - c) Expert judgement
 - d) Project management software
 - e) Templates
15. Which of the following is/are the processes associated with project schedule management?
- a) Budget allocation activities
 - b) Budget estimation activities
 - c) Defining activities
 - d) Estimating activity duration
 - e) Sequencing activities
16. Which diagram(s) provide(s) a standard format for displaying project schedule information by listing project activities and their corresponding duration in a calendar form?
- a) Activity on arrow diagram
 - b) Burndown chart
 - c) Frequency chart
 - d) Gantt chart
 - e) Pert diagram

17. 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

Consider the diagram below and answer questions 18 and 19.



18. What is the shortest activity path of the above diagram?

- a) A → D → H → J
- b) B → E → H → J
- c) B → F → I → J
- d) B → F → J
- e) C → G → I → J

19. What is the critical activity path of the above diagram?

- a) A → D → H → J
- b) B → E → H → J
- c) B → F → I → J
- d) B → F → J
- e) C → G → I → J

20. Which of the following reserves allow for the unpredictable future situation?
- a) Baseline
 - b) Contingency
 - c) Financial
 - d) Follow up
 - e) Management
21. Which of the following project performance measurement techniques integrate(s) the scope, time, and cost data?
- a) Earned value management
 - b) Life cycle costing
 - c) Project cost budgeting
 - d) Reserve analysis
 - e) Return on investment
22. If a project is 50% complete, its schedule performance is 110%, and its cost performances index is 87%, how well is the project progressing?
- a) It is ahead of schedule and under budget.
 - b) It is ahead of schedule and over budget.
 - c) It is ahead of schedule and on par with the budget.
 - d) It is behind schedule and under budget.
 - e) It is behind schedule and over budget.
23. Which of the following diagrams do **not** enable you to determine whether a given process is in control or out of control?
- a) Burndown chart
 - b) Cause and effect diagram
 - c) Control chart
 - d) Control panel diagram
 - e) Run chart

24. Which capability level in CMMI represents that a process is rigorously defined?

- a) Level 1 - Performed
- b) Level 2 - Managed
- c) Level 3 - Defined
- d) Level 4 - Quantitatively managed
- e) Level 5 – Optimizing

25. What is/are the need(s) at the bottom of Maslow's hierarchy of needs?

- a) Esteem needs
- b) Safety needs
- c) Self-Actualization needs
- d) Social needs
- e) Physiological needs
