



UNIVERSITY OF COLOMBO, SRI LANKA



UNIVERSITY OF COLOMBO SCHOOL OF COMPUTING

DEGREE OF BACHELOR OF INFORMATION TECHNOLOGY (EXTERNAL)

Academic Year 2019 - 2nd Year Examination - Semester 4

IT4205 – IT Project Management Part 1 - Multiple Choice Question Paper 23rd November, 2019 (ONE HOUR)

Important Instructions:

- The duration of the paper is 1 (one) hour.
- The medium of instruction and questions is English.
- The paper has 30 questions on 07 pages.
- All questions are of the MCQ (Multiple Choice Questions) type.
- All guestions should be answered.
- Each question will have 5 (five) choices with **one or more** correct answers.
- All questions carry equal marks.
- There will be a penalty for incorrect responses to discourage guessing.
- The mark given for a question will vary from 0 (All the incorrect choices are marked & no correct choices are marked) to +1 (All the correct choices are marked & no incorrect choices are marked).
- 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 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.

	According to Six Sigma, what is opportunities to obtain perfection	_	efects, errors, or mistakes per million		
	(a) 1.5	(b) 2.6	(c) 3.4		
	(d) 5	(e) 6.6			
	If a company loses 15 LKR for evor of the company?	ery 100 LKR in revenue for a giv	en produce, what is the profit margin		
	(a) -85%	(b) -15%	(c) 0%		
	(d) 15%	(e) 115%			
3)	Which project performance measu	rement technique integrates scop	e, time, and cost data?		
	(a) Earned Value Analysis	(b) Life Cycle Analysis	(c) Monte Carlo Analysis		
	(d) Project Cost Budgeting	(e) Reserve Analysis			
	If performing the work cost more than planned and less time than planned, what would be the value of the cost variance and the schedule variance? (Answers given in the format of cost variance followed by schedule variance.)				
	(a) Negative, Negative(d) Positive, Positive	(b) Negative, Positive(e) Zero, Zero	(c) Positive, Negative		
	(,,,,	(7) 1, 1			
5)	Which of the following are true about cost variance and schedule variance?				
	(b) schedule variance is the c(c) cost variance is the differ	rence between the earned value ar lifference between the earned value ar lifference between the earned value ar lifference between the earned value are for schedule variance	ue and the actual cost and the actual cost		
	Which of the following represents the term "Earned Value (EV)"?				
) 		(a) It is the portion of the approved total estimate planned to be spent on an activity.			
)) 	(a) It is the portion of the ap	proved total estimate planned to b	be spent on an activity.		
0)	•	•	be spent on an activity. g work on an activity during a given		
) 	(b) It is the direct and indirect period.	•	g work on an activity during a given		
5)	(b) It is the direct and indirect period.	et costs incurred in accomplishing	g work on an activity during a given		

For what does PERT stand for?

- 7)
- (a) Project Estimation and Review Technique
- (b) Project Evaluation and Review Technique
- (c) Program Evaluation and Review Technique
- (d) Program Estimation and Review Technique
- (e) Program Estimation and Retention Technique
- 8) Which of following statements is/are true about the "Theory of Constraints (TOC)"?
 - (a) TOC is a management philosophy.
 - (b) The TOC is based on the principal that the weakest link limits the ability to achieve the goal.
 - (c) TOC explains the Critical Path Method (CPM)
 - (d) TOC is about the types of risk in a project
 - (e) TOC is not related to project management
- 9) Slack in CPM represents
 - (a) the delay of activity of a project.
 - (b) another name for a float.
 - (c) the delay an activity can withstand without affecting the all activities
 - (d) the delay an activity can withstand without affecting the other activities or the project end date
 - (e) the delay an activity can withstand without affecting the project end date
- 10) Which option clearly represents the SMART criteria in that order?
 - (a) Slipped milestone, Measurable, Assets, Reliable, Time-framed
 - (b) Scheduled, Managed, Asserts, Retention, Time-bound
 - (c) Specific, Measurable, Assignable, Realistic, Time-framed
 - (d) Seasonal, Marketing, Assignable, Real-time, Time-bound
 - (e) Slack, Mean, Assets, Retention, Time
- 11) Which of the following statements best defines the phrase "best practice"?
 - (a) an optimal way recognized by industry to achieve a stated goal or objective
 - (b) stretching to learn from the best
 - (c) a process that is being practiced in an organization
 - (d) a practice that ensures a project is driven by your strategy
 - (e) a method to engage your stakeholder

12)	Which of the following is/are not an attribute of a project?				
	(a) Projects are unique				
	(b) Projects are developed using progressive elaboration				
	(c) Projects have a primary customer or sponsor				
	(d) Projects involve uncertainty				
	(e) Projects have risks associated with them				
13)	Which of the following is/are a part of the code of ethics defined by the Project Management Institute (PMI)?				
	(a) We make decisions and take actions based on the best interests of society, public safety, and the environment.				
	(b) We earnestly seek to optimize our costs and increase our business.				
	(c) We earnestly seek to understand the truth.				
	(d) We are truthful in our communications and in our conduct.				
	(e) We listen to others' points of view, seeking to understand them.				
14)	Which of the following is/are not an essential competency of a project manager?				
	(a) Technical skills				
	(b) Integrity				
	(c) Leadership skills				
	(d) Time management skills				
	(e) Interpersonal skills				
15)	Which of the following is/are organization frames?				
	(a) Structural Frame (b) Symbolic Frame (c) Political Frame (d) Time Frame (e) Human-Resource Frame				
16)	Which of the following is/are true about the <i>matrix organization structure</i> ?				
	(a) has little or no project manager's authority				
	(b) project managers role is mostly full time				
	(c) has three matrix categories as weak, balanced and strong				
	(d) weak matrix has a higher project manager authority				
	(e) all employees are assigned to full time work in this structure				
17)	Which of the following represent characteristics of organizational behavior as mentioned by Stephen P. Robbins and Timothy Judge?				
	(a) member qualifications (b) group emphasis (c) control				
	(d) conflict tolerance (e) management focus				

	 (a) A training session is a deliverable (b) The concept phase and the development phase together are called the project feasibility (c) Project acquisition is about implementation. (d) Four phases of a project life cycle are concept, development, implementation and maintenance (e) Lessons learnt document is a deliverable of the project feasibility study phase. 				
19)	Which organizational structures require(s) personnel to report to two or more bosses?				
	(a) functional (b) project (c) hybrid				
	(d) direct (e) matrix				
20)	A <i>virtual team</i> is represented by:				
	(a) a group of people working in a local area network.				
	(b) a set of computers working together.				
	(c) a group of individuals who work across time and space using communication technologies				
	(d) a team that travels from one location to another.				
	(e) a training tool made out of virtual reality software.				
21)	What is meant by the <i>payback period</i> ?				
	(a) the difference between the total costs and the total income over the life of the project				
	(b) the value in the present of a sum of money, in contrast to some future value				
	(c) is the difference between net profit and cost of investment				
	(d) time taken to break even or pay back the initial investment				
	(e) a measure of an investment's rate of return				
22)	What does PFD stand for in project management?				
	(a) Personal Flotation Device (b) Personal for Development (c) Project Flow Diagram				
	(d) Product Flow Diagram (e) Product for Development				
23)	What does PBS stand for in project management?				
	(a) Project Booking Service (b) Project Billing Service (c) Preferential Bidding System				
	(d) Portable Batch System (e) Project Breakdown Structure				
	(c) Policie Buen System (c) Project Bleakdown Structure				

24)	Which of the following questions is/are related to project portfolio management?					
(a) Are we carrying out the project well?						
	(b) Are we working o	(b) Are we working on the right projects?				
	(c) Are we investing in the right areas?					
	(d) Do we have the right resources to be competitive?					
	(e) Are our projects of	n time and on budget?				
25)	What are the three spheres of the three spheres model?					
	(a) Business, Organization, Technology					
	(b) Project, Resources, People					
	(c) Social, Environme	(c) Social, Environmental, Economic				
	(d) Structural, Humar	Resources, Political				
	(e) Functional, Matrix, Project					
26)	Which process group wou	ces and time?				
	(a) initiating	(a) initiating				
	(b) planning	(b) planning				
	(c) executing					
	(d) monitoring and controlling					
	(e) closing					
27)	When an organization acquires goods and/or services from an outside source in another country, it is called.					
	(a) globalization	(b) offshoring	(c) exporting			
	(d) free trade	(e) global sourcing				
28)	Which of the following outputs is/are completed before initiating a project?					
	(a) stakeholder registe	er				
	(b) business case					
	(c) kick-off meeting					
	(d) SCRUM meeting					
	(e) project charter					

- 29) What is meant by a *change control system*?
 - (a) a formal group responsible for approving or rejecting changes to a project
 - (b) a formal, documented process that describes when and how official project documents may be changed
 - (c) a description of project products
 - (d) a process which involves identifying, evaluating and managing changes
 - (e) a process which analyses strengths and weaknesses of the project life cycle
- 30) Which network diagramming technique is/are used to predict total project duration?
 - (a) PERT
 - (b) Gantt Chart
 - (c) critical path method
 - (d) crashing
 - (e) chain scheduling
