

INSTRUCTIONS TO CANDIDATES

- This is a closed book examination.
- Answer **05** questions out of 06 questions.
- Maximum marks attainable for this paper is 100.
- You are not allowed to keep any form of printed material and blank papers with you during the examination, other than the answer sheets provided to you by the Institute.
- Violation of the above rules will lead to cancellation of studentship or other severe disciplinary action, and you are requested to adhere to these rules to avoid disappointment.
- Please make sure to attach any paper on which you have written your answers without fail
- Follow the instructions mentioned on the answer sheet

INSTRUCTIONS TO INVIGILATORS

- The question paper must not be retained by the candidates.

NAME :
(BLOCK CAPITALS)

ADMISSION NO :

NIC NO :

1.

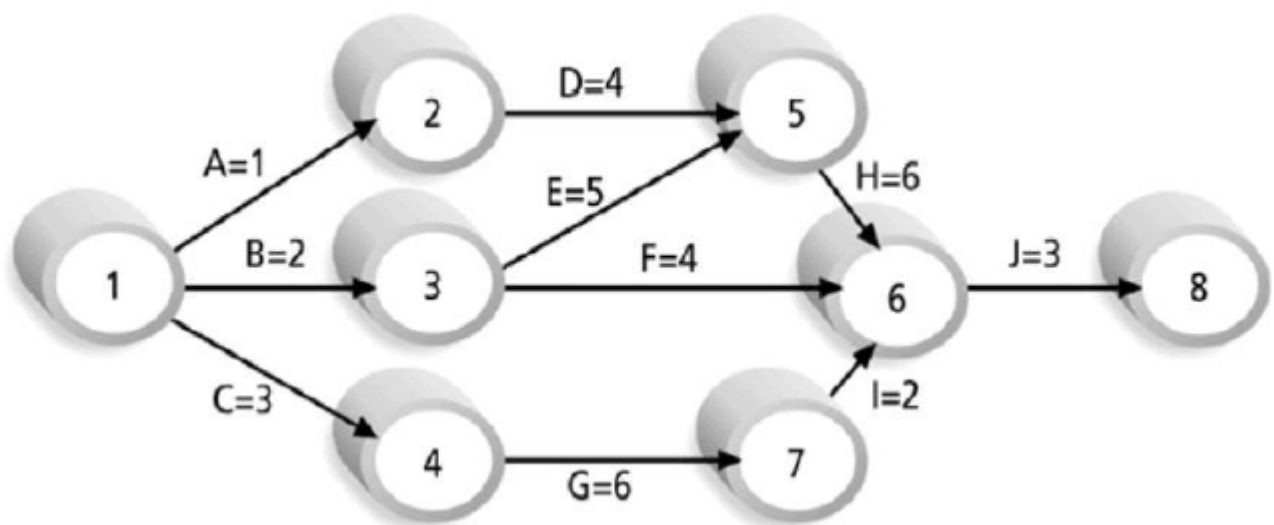
- I. What does the term 'project' mean to you? (04 marks)
- II. Get one example for each project and non-projects and explain how you differentiate from each other? (06 marks)
- III. Define the word "Project Owner" in relation to an IT development project. (05 marks)
- IV. You work for a Sri Lankan small software company which has got a software contract with a new client to implement an ERP system in Western Australia. The client is a cleaning organization and has a very small IT section. Your company has little experience in this business area. Your company has decided to start the requirement gathering for this project, and you have been appointed as project manager. What type of standards and processes that you are willing to use in communication between foreign client and your company. (05 marks)

2.

- I. What does the term 'Project Charter' mean to you? (02 marks)
- II. What are the benefits of using Project Charter in Software Management? (03 marks)
- III. List Down and Explain Triple Constraints in Project management. (05 marks)
- IV. What is a Work Breakdown Structure and how does it help in project scope management? (10 marks)

3.

- I. What do you mean by Project Milestone? (03 marks)
- II. Using the following AOA network diagram, find the Critical Path. All duration is in days (05 marks)



- III. Draw the AOA using below mentioned data. (12 marks)

Project start date: 12 June 2015			
Task Identifier	Task Description	Predecessor Task(s)	Time (days)
1	Establish project	-	2
2	Establish customer requirements	1	3
3	Produce software specification documents	2	4
4	Write test plans	3	1
5	Write code	3	2
6	Developer testing	5	2
7	System testing	4, 6	4
8	Write customer documentation	3	1

4.

- I. What is the main difference between Direct Cost and Indirect Cost. (03 marks)
- II. ABC company makes another huge project. Total budget for this project is 106 million USD. After 10 weeks actually project cost 70 million. According to the schedule, the project must finish after 14 weeks. As a project manager you realize the project team has completed 70% of the project. According to the details find,
 - i. Earned Value (EV) (01 marks)
 - ii. Budget of Completion (02 marks)
 - iii. Schedule Variance (SV) (02 marks)
 - iv. Schedule performance index (SPI) (02 marks)
 - v. Cost Variance (CV) (02 marks)
 - vi. Cost performance index (CPI) (02 marks)
- III. Briefly explain 02 out of the following terms of Cost Management. (06 marks)
 - i. Tangible costs
 - ii. Intangible costs
 - iii. Sunk cost

5.

- I. What does the term 'Project Quality' mean to you? (02 marks)
- II. Write down 03 different techniques that we are using in Software Testing. (03 marks)
- III. What does the term 'Project Human Resource Management' mean to you? (02 marks)
- IV. Write down 05 process of Tuckman Model in developing the project team? (05 marks)
- V. Draw down Maslow's Hierarchy of Needs (08 marks)

6.

- I. What does the term 'Project Risk Management' mean to you? (05 marks)
- II. Write down 03 differences between Qualitative risk analysis and Quantitative risk analysis. (06 marks)
- III. Write down 06 Project Risk Management process. (06 marks)
- IV. Write down 03 different risk identification techniques/tools. (03 marks)