

INDIAN STATISTICAL INSTITUTE

Bangalore Centre

Program:-MS (Quality Management systems)

Course:-Project Management

Mid semester Examination – September 2019

Instructions to the Candidates: The question paper Consists of three Parts. Part –A is objective type questions meant to test your conceptual understanding of the subject taught to you. Part B Consists of questions to test your ability to get into the subject in detail. Part C Consists of analytical questions and this tests your ability to apply the knowledge to real world problem situations and scenario's. Part A has a weightage of 10 marks and is compulsory. Part B consists of 6 questions with equal weightage and you need to answer any four it will be evaluated for a total of 20 Marks. Part C consists of three questions out of which you will have to attempt two case study problems. Each question in Part C has weightage of 10 Marks.

Q. No.	Part A(Question numbers 1 (i to x) Answer all the questions in this part.	Marks
1		
i.	What is the meaning of enterprise environmental factors?	(01)
ii.	Define the term project.	(01)
iii.	Mention the five process groups identified in the Project Management Framework?	(01)
iv.	List any of the traits that project manager must possess.	(01)
v.	Name any that can be identified for their best practices in the area of project management.	(01)
vi.	Mention any two items that are included as part of the project charter.	(01)
vii.	List any two inputs for developing the scope management plan.	(01)
viii.	Mention any two important aspects of Project Integration Management.	(01)
ix.	What is the purpose of a typical Project Management plan?	(01)
x.	What is a precedence diagramming method?	(01)

Q. No.	Part B (Question Numbers 2 to 6) (Answer any four of the six full questions)	Marks
2.	Imagine you are given the responsibility of organizing a state level inter collegiate cultural festival for students. Do you consider your role as being that of a project manager Why? OR Why not?. Can you consider this event organization as being a project? Justify.	(05)
3.	Bring out clearly the distinction between routine operations and project management. Give an illustrative example for each of these.	(05)
4.	List the top ten skills that the project manager must possess in order to be effective in his/her role? Which among these skills should help him/her during the discussion with an external client while developing the scope document?	(05)
5.	Taking the example of developing an APP for using a digital payment platform. Identify the triple constraints with respect to this project and list them.	(05)
6.	Write down the Project Charter in the standard format for the project that has the objective of successfully designing and building a Steel bridge in a metropolitan city. (Highlight the Business Case and Project Statement of work.)	(05)
7.	List the tools and techniques used for project scope management. What are the inputs for project scope management plan? List the outputs from project scope management.	(05)

INDIAN STATISTICAL INSTITUTE

Bangalore Centre

Program:-MS (Quality Management systems)

Course:-Project Management

Mid semester Examination – September 2019

Q. No.	PART C (Question Numbers 7 to 9) (Answer any three full questions from the five full questions)	Marks																																																							
8.	<p style="text-align: center;">Study the WBS structure as above. Develop the work description for each of the main areas of activity. How many hierarchical levels are there in this WBS structure?</p>	(10)																																																							
9.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Activity</th> <th style="width: 40%;">Description</th> <th style="width: 15%;">Immediate predecessors</th> <th style="width: 10%;">Time</th> <th style="width: 20%;">Resources</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td>Select office site.</td> <td style="text-align: center;">-</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="text-align: center;">B</td> <td>Create organization & financial plan</td> <td style="text-align: center;">-</td> <td style="text-align: center;">5</td> <td></td> </tr> <tr> <td style="text-align: center;">C</td> <td>Determine personnel requirements</td> <td style="text-align: center;">B</td> <td style="text-align: center;">3</td> <td></td> </tr> <tr> <td style="text-align: center;">D</td> <td>Design facility</td> <td style="text-align: center;">A,C</td> <td style="text-align: center;">4</td> <td></td> </tr> <tr> <td style="text-align: center;">E</td> <td>Construct interior.</td> <td style="text-align: center;">D</td> <td style="text-align: center;">8</td> <td></td> </tr> <tr> <td style="text-align: center;">F</td> <td>Select personnel to move.</td> <td style="text-align: center;">C</td> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="text-align: center;">G</td> <td>Hire new employees.</td> <td style="text-align: center;">F</td> <td style="text-align: center;">4</td> <td></td> </tr> <tr> <td style="text-align: center;">H</td> <td>Move records, Key personnel etc.</td> <td style="text-align: center;">F</td> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="text-align: center;">I</td> <td>Make financial arrangements with institutions.</td> <td style="text-align: center;">B</td> <td style="text-align: center;">5</td> <td></td> </tr> <tr> <td style="text-align: center;">J</td> <td>Train new personnel.</td> <td style="text-align: center;">H,E,G</td> <td style="text-align: center;">3</td> <td></td> </tr> </tbody> </table> <p style="text-align: center;">Construct the project network. Compute the EST, EFT, LST, and LFT for all the activities. Compute the project duration and identify the critical path.</p>	Activity	Description	Immediate predecessors	Time	Resources	A	Select office site.	-	3		B	Create organization & financial plan	-	5		C	Determine personnel requirements	B	3		D	Design facility	A,C	4		E	Construct interior.	D	8		F	Select personnel to move.	C	2		G	Hire new employees.	F	4		H	Move records, Key personnel etc.	F	2		I	Make financial arrangements with institutions.	B	5		J	Train new personnel.	H,E,G	3		(10)
Activity	Description	Immediate predecessors	Time	Resources																																																					
A	Select office site.	-	3																																																						
B	Create organization & financial plan	-	5																																																						
C	Determine personnel requirements	B	3																																																						
D	Design facility	A,C	4																																																						
E	Construct interior.	D	8																																																						
F	Select personnel to move.	C	2																																																						
G	Hire new employees.	F	4																																																						
H	Move records, Key personnel etc.	F	2																																																						
I	Make financial arrangements with institutions.	B	5																																																						
J	Train new personnel.	H,E,G	3																																																						
10.	<p>What is the role of project integration management in the overall project management? Explain with the help of an illustrative diagram the processes involved in project integration management. Write down the structure of a project charter document taking any example of your own.</p>	(10)																																																							
11.	<p>Consider any project that you were part of as a team member or as a team leader. List any of the top five challenges that you faced during the course of the project. Explain how your project team could meet those challenges.</p>	(10)																																																							
12.	<p>What are the tools & techniques that are part of the project time management? Explain the process of developing the precedence diagrams for a typical project. Mention the rules and conventions used while developing the precedence diagrams.</p>																																																								