

INDIAN STATISTICAL INSTITUTE

Bangalore Centre

Program:-MS (Quality Management systems)

Course:-Project Management

MID TERM EXAMINATION-SEPTEMBER 2023

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 five questions out of which you will have to attempt two full questions. 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 the term project?	(01)
ii.	Give an example of a Mega project.	(01)
iii.	Which of the process among the process groups involve development of a Project charter?	(01)
iv.	List any four of the traits that a project manager must possess.	(01)
v.	Name the organization which is considered as the Apex institute for Global certification on Project Management.	(01)
vi.	List any two documents that can be considered as organizational process assets.	(01)
vii.	Which tool involves the decomposition of work packages for understanding the levels of complexities in projects?	(01)
viii.	Mention any two uses of the Project Charter Document.	(01)
ix.	What are the two conventions used to represent activities & events in a Network diagram?	(01)
x.	What is the purpose of a Gantt chart?	(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 the annual inter unit football tournament for your institute. Can you consider the role assigned to you as being the role of a project manager? Why or Why not? Can the process of organizing the inter unit football tournament be considered as a project? Why or Why not?	(05)
3.	Distinguish clearly the activities related to ongoing operations and activities related to project management. Give an example each for both of these. Focus on the planning levels required.	(05)
4.	What are the typical inputs for the development of a project charter? Give a brief one line explanation of any three inputs that goes into the project charter.	(05)
5.	Consider a project involving developing a Chatbot for customer interaction for a Banking institution. Explain how the concept of triple constraints would be applicable to this project.	(05)

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6.	Write down the list of items that become part of a Project Management Plan. Which of the plans can be considered as being the core plans?	(05)
7.	What is the meaning of the term scope creep? How does scope creep get built into the Project Scope Document?	(05)

Q. No.	PART C (Question Numbers 7 to 9) (Answer any two full questions out of the five full questions)	Marks																											
8.	<div style="text-align: center;"> </div> <p>Given above is a structure of a delivery based WBS. Analyze this structure from the work package point of view and also budget point of view. Develop the work description for each of the areas identified in the WBS separately. How many hierarchical levels are included in the above WBS structure?</p>	10																											
9.	<p>The following table gives the activity time data of a certain project together with immediate predecessor requirement:-</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Activity</th> <th>Immediate Predecessor</th> <th>Time in Days</th> </tr> </thead> <tbody> <tr><td>A</td><td>-</td><td>3</td></tr> <tr><td>B</td><td>-</td><td>4</td></tr> <tr><td>C</td><td>A</td><td>2</td></tr> <tr><td>D</td><td>B</td><td>3</td></tr> <tr><td>E</td><td>A,B</td><td>5</td></tr> <tr><td>F</td><td>C,D</td><td>3</td></tr> <tr><td>G</td><td>E</td><td>4</td></tr> <tr><td>I</td><td>F,G</td><td>2</td></tr> </tbody> </table> <p>Construct the network for the project and find the critical path and hence the time required to complete the project.</p>	Activity	Immediate Predecessor	Time in Days	A	-	3	B	-	4	C	A	2	D	B	3	E	A,B	5	F	C,D	3	G	E	4	I	F,G	2	10
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10.	Explain the role of project management in any organization. Why is there a need for exclusive focus on the area of project management? Take any one example of a project that you have been part of as a team member or as a project leader and identify and discuss any three of the challenges that the project encountered. How did the project team meet these challenges? What were the lessons learnt?	10
11.	Explain the processes involved in the area of Project Integrated Management with the help of an illustrative diagram. Outline why the project integration management is a separate knowledge area in pmbok. What is the need for the project charter? List the components of the project charter.	10
12.	What are the tools and techniques for carrying out the activities under project time management? Explain in detail the steps, processes and the rules involved in developing a precedence diagram. What are the four types of precedence relationships that we can come across while constructing the project network diagram?	10

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