GURU NANAK INSTITUTE OF TECHNOLOGY
An Autonomous Institute under MAKAUT
2022
PROJECT RELATIONSHIP MANAGEMENT
IT801I

TIME ALLOTTED: 3 HOURS   **FULL MARKS: 70**

The figures in the margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable

GROUP – A
(Multiple Choice Type Questions)

Answer any *ten* from the following, choosing the correct alternative of each question: 10×1=10

			Marks	CO No
1.	(i)	Pareto Analysis is the best technique used for tracking project timeline a) TRUE b) FALSE	1	CO1
	(ii)	Data Flow Diagram technique is used for defining tasks and subtasks for a project a) TRUE b) FALSE	1	CO4
	(iii)	Pareto Analysis is a useful technique for prioritizing Project requirements a) TRUE b) FALSE	1	CO1
	(iv)	Network Diagram is a tool used to depict the process flow. a) TRUE b) FALSE	1	CO3
	(v)	Which of the following is one of the phases in the Vendor selection process. a) Pre-solicitation planning b) ROI analysis c) Present Value Analysis d) Break-even analysis	1	CO1
	(vi)	Which of the following is NOT one of the phases in the Vendor selection process. a) Pre-solicitation planning b) Vendor selection c) Award contract d) Present Value Analysis	1	CO3
	(vii)	Which of the following is NOT one of the phases in the Vendor selection process. a) Pre-solicitation planning b) Vendor selection c) ROI analysis d) Contract management	1	CO4

(viii)	Which of the following is NOT one of the phases in the Vendor selection process. a) Pre-solicitation planning b) Vendor selection c) Award contract d) Present Value Analysis	1	CO1
(ix)	A subject matter expert, helps in which of the following tasks are defined? a) Shares superior (expert) knowledge of a discipline, technology, product, business process or entire business area b) Authorizes the change orders of the project c) Recruits project staff d) Translates the business requirements to a technical solution.	1	CO3
(x)	Which of the following describes the role of a Technical Lead? a) A person who has superior (expert) knowledge of a discipline, technology, product, business process or entire business area b) Authorizes the change orders of the project c) Recruits project staff d) Translates the business requirements to a technical solution	1	CO2
(xi)	Which of the following describes the role of an Executive sponsor? a) A person who has superior (expert) knowledge of a discipline, technology, product, business process or entire business area b) Authorizes the change orders of the project c) Recruits project staff d) Translates the business requirements to a technical solution	1	CO2
(xii)	A Functional Consultant is NOT an important stakeholder in a typical software development team a) TRUE b) FALSE	1	CO2

GROUP B
(Short Answer Type Questions)
Answer any *three* of the following.

3x5=15

			Marks	CO No
2.	(a)	What is the output from the Initiation phase of project management? Explain.	1	CO1
	(b)	What is the output from the Planning phase of project management? Explain.	2	CO1
	(c)	What is the output from the Execution phase of project management? Explain.	2	CO1
3.	(a)	What is the output from the Closure phase of project management? Explain.	2	CO2

			Marks	CO No
	(b)	What is the output from the pre-solicitation phase of the Vendor selection process? Explain.	2	CO2
	(c)	What is the output from the award contract phase of the Vendor selection process? Explain.	1	CO2
4.	(a)	What is the output from the contract management phase of the Vendor selection process? Explain.	2	CO3
	(b)	What is the output from the contract closure phase of the Vendor selection process? Explain.	3	CO3
5.	(a)	Explain the use of Gantt charts and also mention at which stage of the project this tool is used.	2	CO1
	(b)	Explain the use of Network Drawings and also mention at which stage of the project this tool is used.	2	CO1
	(c)	Explain the use of Work Breakdown Structure (WBS) and also mention.	1	CO1
6.	(a)	Explain the use of High Level Plan (HLP) and also mention at which stage of the project this tool is used.	3	CO4
	(b)	Explain typical challenges in a Non- IT Project and give 2 options to handle each of them.	2	CO4

GROUP C
(Long Answer Type Questions)
Answer any *three* of the following.   3x15=45

			Marks	CO No
7.	(a)	If you were an external consultant at High Radius guiding them on the Project Management practice, what are the changes you would suggest to the project management methodology at HighRadius.	5	CO1
	(b)	You are project manager for a large construction project, what project management methodology will you use Agile or Waterfall, please explain.	5	CO1
	(c)	You are project manager for the Mobile Application being developed at HRC, which is going to be launched on Feb 20th 2021. You are starting the process of vendor selection in the week of 11th December. Create a project plan with different phases and tasks in each phase. Clearly explain the deliverables and stage gates.	5	CO1
8.	(a)	Explain typical challenges in a Non- IT Project and give 2 options to handle each of them.	4	CO2
	(b)	What are the 10 common challenges of General Project Management? Explain each in detail, and suggest a resolution to each of them.	6	CO2
	(c)	What are the most common 8 challenges faced during software project implementation? Explain each in detail and suggest a solution for each.	5	CO2
9.	(a)	Explain Gantt-Chart with examples. What are the advantages & disadvantages of the same?	5	CO3
	(b)	Explain the use of Earned Value Analysis and also mention at which stage of the project the tool is used.	4	CO3
	(c)	Explain the use of Work Breakdown Structure (WBS) and also mention at which stage of the project the tool is used.	6	CO3

10.	(a)	What are the differences between waterfall & Agile Project methodologies? You are a project manager for a service as a software firm, which project management methodology will you use, Agile or Waterfall, please explain.	5	CO4
	(b)	What are the differences between waterfall & Agile Project methodologies?	4	CO4
	(c)	You are a project manager for a Telecommunication plant, which project management methodology will you use Agile or Waterfall, please explain.	6	CO4
11.		What are the differences between waterfall & Agile Project methodologies? You are a project manager for Levi Strauss & Co and got a deal to add your clothing line to a big retail store brand, which project management methodology will you use Agile or Waterfall, please explain.	15	CO3