

**GURU NANAK INSTITUTE OF TECHNOLOGY**  
**An Autonomous Institute under MAKAUT**  
**2022**  
**AGILE PROJECT MANAGEMENT**  
**CS801G**

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) Which of the following is the incorrect influencing factors for prioritizing product backlog?<br>a) Customer Satisfaction<br>b) Complexity<br>c) Feature Value<br>d) Cost  | 1     | CO1   |
|    | (ii) Select a benefit of backlog prioritization but not for the business?<br>a) Fastest return of investment<br>b) Customer or Business satisfaction<br>c) Effective Sprint Planning by saving time of selection story<br>d) Keep focused on Value driven development  | 1     | CO2   |
|    | (iii) Select a benefit of backlog prioritization but not for the scrum team?<br>a) Effective Grooming by saving time of selection story<br>b) Better visibility to pick stories within current sprint scope, if there are bandwidth<br>c) Minimizing Risks<br>d) Effective Sprint Planning by saving time of selection story | 1     | CO2   |
|    | (iv) Which of the following is not a technique to prioritize product backlog items?<br>a) Affinity Analysis<br>b) Kano Analysis<br>c) CoSCoW Method<br>d) Ranking Method   | 1     | CO4   |
|    | (v) Select from the following which is not a part of Agile Process Flow?<br>a) Inception<br>b) Post-Retirement<br>c) Iteration<br>d) Release   | 1     | CO4   |

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|--------|---|---|-----|
| (vi)   | Select from the following which is not a part of Agile Iteration Process Flow?<br>a) Requirement Gathering<br>b) Maintenance<br>c) Testing<br>d) Delivery   | 1 | CO1 |
| (vii)  | Select from the following which is not an Agile Software Development Methodology?<br>a) Disciplined Agile Delivery<br>b) Static System Development<br>c) Scrum<br>d) Feature Driven Development                   | 1 | CO4 |
| (viii) | Select from the following which is an Agile Software Development Methodology?<br>a) Static System Development<br>b) Feature Driven Development<br>c) Technique Driven Development<br>d) Lean Software Development | 1 | CO4 |
| (ix)   | Select the best Agile Practice from the following,<br>a) Iterative Development<br>b) Daily Meetings<br>c) Using Professional Tools<br>d) All of the above   | 1 | CO1 |
| (x)    | Select the best Agile Practice for Scrum Project Management from the following,<br>a) Create Product Backlog<br>b) Use Burndown Charts<br>c) Practicing Stand ups<br>d) All of the above                          | 1 | CO3 |
| (xi)   | Select the best Agile Practice for Kanban Project Management,<br>a) Continuous Feedback<br>b) Limiting Work In Progress<br>c) Visualizing Workflow<br>d) All of the above   | 1 | CO1 |
| (xii)  | Select the best Agile Practice for Lean Project Management,<br>a) Identifying Value<br>b) Reducing Waste<br>c) Continuous Improvement<br>d) All of the above  | 1 | CO3 |

**GROUP B****(Short Answer Type Questions)**Answer any *three* of the following.**3x5=15**

		<b>Marks</b>	<b>CO No</b>
2.	(a) What is Agile Retrospective?	1	CO1
	(b) What are the DOs of Agile Retrospective?	2	CO3
	(c) What are the DON'Ts of Agile Retrospective?	2	CO3
3.	(a) State the point of an Agile Retrospective.	1	CO1
	(b) State the roles and responsibilities of a Scrum Master in Agile Project Development?	2	CO2
	(c) State the roles and responsibilities of a Product Owner in Agile Project Development?	2	CO2
4.	(a) State the roles and responsibilities of a Scrum Team in Agile Project Development?	3	CO1
	(b) State the objectives of a Scrum in Agile Project Development?	2	
5.	(a) What is High Product Quality in the benefits of Agile Project Management?	2	CO4
	(b) What is Higher customer satisfaction in the benefits of Agile Project Management?	2	CO4
	(c) What is Reduced Risk in the benefits of Agile Project Management?	1	CO1
6.	(a) What is Faster ROI in the benefits of Agile Project Management?	2	CO3
	(b) Explain what is Process Cycle Efficiency	3	CO3

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

		<b>Marks</b>	<b>CO No</b>
7.	(a) Explain Product Backlog Prioritization.	3	CO2
	(b) Explain why Product Backlog Prioritization is needed?	6	CO2
	(c) State what to consider while prioritizing agile work items?	6	CO2
8.	(a) State the best practices in Agile?	4	CO4
	(b) State the best Agile practices for Scrum Project Management?	5	CO4
	(c) State the best Agile practices for Extreme Programming?	5	CO4
9.	(a) What are Agile Values?	4	CO1
	(b) What are Agile Principles?	4	CO1
	(c) Explain why are Agile Values and Agile Principles necessary?	7	CO1
10.	(a) Explain Traditional Software Development Methodology.	5	CO1
	(b) Explain Agile Software Development Methodology.	5	CO1
	(c) Differentiate between Traditional Software Development Methodology and Agile Software Development Methodology.	5	CO1
11.	(a) Process Cycle Efficiency is why so important?	5	CO3
	(b) Process Cycle Efficiency should be used when?	5	CO3
	(c) What calculation does Process Cycle Efficiency need?	5	CO3