

GURU NANAK INSTITUTE OF TECHNOLOGY
An Autonomous Institute under MAKAUT
2022
AGILE PROJECT MANAGEMENT
IT801E

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

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

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

		Marks	CO No
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**

		Marks	CO No
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