Just In Time and Lean - Question Bank

Structure:

Section 1-A			
1	**Self-Assessment Question**	MCQ's (1 Mark Each)	MBT Level: 1,2
Section 1-B			
2	**Discussion Forum Question**	Descriptive Questions (10 Marks)	MBT Level: 1,2
Section 2			
3	**Formative Assessment**	MCQ's (1 Mark Each)	MBT Level 2,3
Section 3			
4	**Formative Assessment**	Descriptive Question (10 Marks)	MBT Level 4,5

Section 1-A: Self-Assessment Questions

Question	Option 1	Option 2	Option 3	Option 4	Correct answer
How does Kanban prevent work over capacity?	By using Work In Progress (WIP) Limit.	By setting a robust Kanban workflow.	By having daily meetings about work in progress.	By defining explicit policies.	Option 1
Which one of the following concepts does the Just-In-Time (JIT) method advocate?	Upstream processes run simultaneously with downstream processes.	Processes are triggered by a pull request based on demand.	Processes are initiated by a push request based on requirements.	The use of requirement planning to the maximum resource capacity.	Option 2

Section 1-B: Discussion Forum Questions

Sr.No.	Question	Marks
1	Discuss in the Forum about the Relationship Between JIT and Competitive Advantage	10
2	Make a presentation on benefits of using a pull inventory system over a push inventory system.	10

Section 2: Formative Assessment

Question	Option 1	Option 2	Option 3	Option 4	Correct answer
Find the correct order of matching from the option as mentioned, i. Cp> 1 i) The process will meet the specification, ii. Cp=1 ii) The process will just meet the specification, iii. Cp< 1 iii) The process will not meet the specification	A-i, B-ii, C-iii	A-i, B-iii, C-ii	A-ii, B-i, C-iii	A-ii, B-iii, C-i	Option 1
What is the interpretation of Cpk=Cp?	The process is out of control	The process is customer-centric	The process is centered	The process is costly	Option 3
Given the following bill of materials If the demand for product A is 30 units, and there are on hand 10 units of B and none of C, how many units of part D will be needed?	3	40	70	90	Option 3
The following table is an example of a(n) Week 1 Week 2 Week 3 Week 4 Week 5 Clothes Washer 200 100, Clothes Dryer 300 100 100 100, Upright Freezer 200 500	Aggregate plan	Master production schedule	Load report	Inventory record	Option 2
The 5S checklist item that calls for the removal of variation from the process via consistent training, tooling, and procedures is	Simplify	Shine	Segregate	Standardize	Option 4

Section 3: Formative Assessment

Sr.No.	Question	Marks
1	How do you implement a Kanban system?	10
2	How does a good plant layout help to improve productivity explain with examples?	10
3	What is a Master Production Schedule MPS and what is its relationship to a MRP?	10
4	Can MRP and JIT work together?	10
5	Explain how JIT/Lean can cause immediate cycle time reduction.	10
6	What are the 5 steps to production planning?	10