

Subject Code:2172502

Date:19/01/2021

Subject Name:Productivity Improvement Methods

Time:10:30 AM TO 12:30 PM

Total Marks: 56

Instructions:

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
<b>Q.1</b>	(a) Define the following.	<b>03</b>
	(i) Productivity,	
	(ii) Productivity improvement techniques and	
	(iii) Production.	
	(b) Enlist the technical methods to improve productivity.	<b>04</b>
	(c) Explain importance of productivity and Explain various factors affecting productivity.	<b>07</b>
<b>Q.2</b>	(a) Brief explain the Flow process chart with neat sketch.	<b>03</b>
	(b) Explain the string diagram with neat sketch.	<b>04</b>
	(c) Explain the procedure for method study.	<b>07</b>
<b>Q.3</b>	(a) Enlist work measurement tools.	<b>03</b>
	(b) What are the objectives of work measurement?	<b>04</b>
	(c) Define productivity index. Explain different types of productivity measurement.	<b>07</b>
<b>Q.4</b>	(a) Write full form of: (i) SIMO (ii) PMTS (iii) NPC	<b>03</b>
	(b) Enlist the ergonomics principles.	<b>04</b>
	(c) Enlist various incentive schemes. Explain how incentive scheme play a vital role to improve the workers efficiency.	<b>07</b>
<b>Q.5</b>	(a) Write a difference between two handed process chart and flow process chart in terms of symbols and construction.	<b>03</b>
	(b) Briefly explain “SIMO”.	<b>04</b>
	(c) Write a short note on Business Process Reengineering.	<b>07</b>
<b>Q.6</b>	(a) Explain the working of National Productivity Councils.	<b>03</b>
	(b) Briefly explain “MTM”.	<b>04</b>
	(c) Explain the role of environment factor to effect worker performance.	<b>07</b>
<b>Q.7</b>	(a) Define Theblings.	<b>03</b>
	(b) What are the objectives and application of BPR?	<b>04</b>
	(c) Explain the importance of BPR with suitable example.	<b>07</b>
<b>Q.8</b>	(a) Explain the role of Stop watch in Productivity improvement technique.	<b>03</b>
	(b) Briefly explain the word “PMTS”.	<b>04</b>
	(c) Enlist any seven types of Therblings with neat symbol.	<b>07</b>

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