

typically about 3% defective. How many molders will be required if each one is available for 2000 hours per year.

- 4 a Explain four forecasting variables.
 - b. The past data for the sales of wet grinders of particular company in a area is shown below.

Month	Sales
Jan -2014	585
February	610
March	675
April	750
May	860
June	970

Forecast the demand for the month only-2014 using

i) Simple average for all previous months

ii) A three-months moving average.

c. Write a note on Aggregate Planning methods.

PART - B

5 a. Describe the activities of MRP and CRP with a flow chart.

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b. Explain the following:

(i) BOM

(ii) Lead Time

(iii) Safety stock.

6 a. What are the scheduling strategies? Explain any two of them.

- b. Mention the various method of scheduling? Explain any three of them.
- c. List down the STP rule.
- 7 a. Describe the Job shop scheduling.
 - b. Find the optional sequence using graphical method to the following in formation of scheduling activities.

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Job 1	Sequence	А	В	С	D	Е	
	<pre>{ Sequence Time(hrs)</pre>	3	4	2	6	2	10
Job 2	Sequence	В	С	А	D	Е	
	Event Sequence Time(Hrs)	5	4	3	2	6	

Also find Total elapsed time.

c. Explain CDS heuristic.

8. Explain the following:

i) Flexible Workforce

ii) Automated production

iii) Continuous improvement

iv) Prevention maintenance

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