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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR  
(AUTONOMOUS)****MBA I Year II Semester Regular Examinations October-2020****OPERATIONS MANAGEMENT**Time: **3 hours**Max. Marks: **60****SECTION – A**(Answer all Five Units **5 x 10 = 50** Marks)**UNIT-I****1** Discuss the importance of production and operations management. **10M****OR****2** a Explain about process design. **5M**b Define CAD. Explain with an example. **5M****UNIT-II****3** “Location decision is a trade-off decision”- why? Elaborate. **10M****OR****4** “Product layout is better than process layout.” Do you agree with this statement? Support your answer. **10M****UNIT-III****5** a What is scheduling in job? Explain the concept underlying its importance. **5M**b What is shop loading? Explain with an example. **5M****OR****6** a Briefly discuss the shop type production usually used in manufacturing firms. **5M**b Give a description on the line of balancing. **5M****UNIT-IV****7** a List out the types of different control charts for variables **5M**b What is acceptance sampling? Explain with an example. **5M****OR****8** Discuss about TQM management techniques. **10M****UNIT-V****9** Explain about characteristics of productivity . Make a note of factors affecting productivity. **10M****OR****10** What is a productivity Cycle? Explain it with an example. **10M**

**SECTION – B**  
(Compulsory Question)

11

1 x 10 = 10 Marks

**Case Study 4:**

Find the schedule using graphical method to minimize the time needed to process the following jobs on the machines shown (i.e., for each machine). Find the job which should be scheduled first. Also calculate the total time elapsed to complete both jobs.

Job 1	Sequence	A --- B ---- C --- D --- E
	Time (Hrs)	4      3          6      2      7
Job 2	Sequence	C --- B ---- E --- D --- A
	Time (Hrs)	6      3          5      3      7

\*\*\* END \*\*\*