

Unit 8 - week 7

Course outline

How does an NPTEL online course work?

week 1

week 2

week 3

week 4

week 5

week 6

week 7

- Lecture 31:Production Planning and Control: MRP, Routing, Scheduling
- Lecture 32:Production Planning and Control: Scheduling
- Lecture 33:Production Planning and Control: Priority Sequencing
- Lecture 34:Production Planning and Control: Priority Sequencing II
- Lecture 35:Production Planning and Control: Relative Performance of Priority Sequencing Rules

Quiz : Assignment 7

Solution of Assignment 7

week 8

week 9

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week 11

week 12

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Weekly Feedback

Assignment 7

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2020-03-18, 23:59 IST.

1) Make-span time is the

1 point

- Time for the job from some starting point until that job is completed
- Time from when processing begins on the first job in the set until the last job is completed
- Amount of time after the due date when the job is completed
- Total job flow time for all the job

No, the answer is incorrect. Score: 0

Accepted Answers:

Time from when processing begins on the first job in the set until the last job is completed

2) A set of jobs is to be machined on a single machine as per the sequence of the earliest due date rule. The average number of tardiness of jobs (days) and late jobs are

1 point

Job	Process time (days)	Due date
A	10	34
B	8	32
C	16	46
D	6	36
E	18	64
F	12	41

- 4 days, and C & E
- 2 days, and C & E
- 4 days, and E & F
- 2 days, and C & F

No, the answer is incorrect. Score: 0

Accepted Answers:

2 days, and C & E

3) The jobs which are completed after the due date is called

1 point

- Processed job
- Job skewness
- Tardiness job
- Job station

No, the answer is incorrect. Score: 0

Accepted Answers:

Tardiness job

4) Chart used for scheduling and control of production activities is

1 point

- X and R chart
- Flow process chart
- Travel chart
- Gantt chart

No, the answer is incorrect. Score: 0

Accepted Answers:

Gantt chart

5) A decisive process to determine when a job is to be started in a machine and when it is to be completed, is

1 point

- Aggregate planning
- Routing
- Scheduling
- Master scheduling

No, the answer is incorrect. Score: 0

Accepted Answers:

Scheduling

6) Planning phase which is NOT active planning

1 point

- Material control
- Loading
- Forecasting
- Scheduling

No, the answer is incorrect. Score: 0

Accepted Answers:

Forecasting

7) Purpose of the master schedule is to

1 point

- Determine the overall production plan for the near future
- Provides a rough time schedule for production of final products
- Quantify that when and how much product should be produced
- All of the above

No, the answer is incorrect. Score: 0

Accepted Answers:

All of the above

8) According to the shortest processing time (SPT) rule, the jobs are processed in sequence of

1 point

- Increasing order of their processing time
- Decreasing order of their processing time
- Increasing order of their due date
- Decreasing order of their due date

No, the answer is incorrect. Score: 0

Accepted Answers:

Increasing order of their processing time

9) In connection with scheduling if the critical ratio for a job is less than unity, it indicates

1 point

- Job completed before the due date with tardiness
- Job completed on the due date and without tardiness
- Job completed after the due date with tardiness
- Job completed before the due date without tardiness

No, the answer is incorrect. Score: 0

Accepted Answers:

Job completed after the due date with tardiness

10) In a job shop production model

1 point

- Routing for all job through the machine may follow any path
- Routing for all job through the machine is unidirectional
- Routing for all job must start and end at the same point
- Routing of all job managed by managerial level

No, the answer is incorrect. Score: 0

Accepted Answers:

Routing for all job through the machine may follow any path