Lesson Plan

Name of Faculty :Manoj Kumar
Discipline : MT Workshop
Semester : 3rd
Subject : Fitting Shop
Lesson Plan Duration : 15 Weeks (From August 2020 to November 2020)

Week	Theory		Practical	
	Lecture Day	Topic (including assignment /test)	Practical Day	Topic
1st			1	Introduction to Fitting Shop and Bench work and fittings.
2nd			1	Introduction to Fitting Shop and Bench work and fittings.
3rd			1	Introduction to Fitting Shop and Bench work and fittings.
4th			1	Simple male-female fitting (fitting of pulley, bearings, gears on shafts).
5th			1	Simple male-female fitting (fitting of pulley, bearings, gears on shafts).
6th			1	Simple male-female fitting (fitting of pulley, bearings, gears on shafts).
7th			1	Scraping, pipe fittings with leak proof joints.
8th			1	Scraping, pipe fittings with leak proof joints.
9th			1	Scraping, pipe fittings with leak proof joints.
10th			1	Checking alignment and centre distance.
11th			1	Checking alignment and centre distance.
12th			1	Checking alignment and centre distance.
13th			1	Checking of Practical
14th			1	Checking of Practical
15th			1	Checking of Practical

Lesson Plan

Name of Faculty : Surender Kumar
Discipline : MT Workshop
Semester : 3rd
Subject : Pattern making and foundry Shop
Lesson Plan Duration : 15 Weeks (From August 2020 to November 2020)

Week	Theory		Practical	
	Lecture Day	Topic (including assignment /test)	Practical Day	Topic
1st			1	To prepare pattern of rectangular block, 'V' block
2nd			1	To prepare pattern of rectangular block, 'V' block
3rd			1	To prepare pattern of rectangular block, 'V' block
4th			1	Step pulley with core box, split pattern
5th			1	Step pulley with core box, split pattern
6th			1	Step pulley with core box, split pattern
7th			1	Preparation of open floor mould of solid pattern.
8th			1	Preparation of open floor mould of solid pattern.
9th			1	Preparation of open floor mould of solid pattern.
10th			1	Cope drag mould using split pattern
11th			1	Cope drag mould using split pattern
12th			1	Cope drag mould using split pattern
13th			1	Checking of Practical
14th			1	Checking of Practical
15th			1	Visit to foundry to see castings of cast iron, steel, non-ferrous materials, hand moulding, machine moulding and melting furnaces. Induction heating and gas fixed furnaces

Lesson Plan

Name of Faculty : Satish Tewatia
Discipline : MT Workshop
Semester : 3rd
Subject : Turning Shop (Lathes)
Lesson Plan Duration : 15 Weeks (From August 2020 to November 2020)

Week	Theory		Practical	
	Lecture Day	Topic (including assignment /test)	Practical Day	Topic
1st			1	Introduction to turning machine and allied services like cutting tool grinding, general shop layout including maintenance, oils, tools and gauge stores.
2nd			1	Introduction to turning machine and allied services like cutting tool grinding, general shop layout including maintenance, oils, tools and gauge stores.
3rd			1	Introduction to turning machine and allied services like cutting tool grinding, general shop layout including maintenance, oils, tools and gauge stores.
4th			1	Different exercises in turning like plain turning, facing.
5th			1	Different exercises in turning like plain turning, facing.
6th			1	Different exercises in turning like plain turning, facing.
7th			1	Step-turning, chamfering, knurling, parting off
8th			1	Step-turning, chamfering, knurling, parting off
9th			1	Step-turning, chamfering, knurling, parting off
10th			1	Thread cutting.
11th			1	Thread cutting.
12th			1	Thread cutting.
13th			1	Use of compound slide and tailstock, tool grinding, selection of coolant and lubricants and speed & feed
14th			1	Use of compound slide and tailstock, tool grinding, selection of coolant and lubricants and speed & feed
15th			1	Use of compound slide and tailstock, tool grinding, selection of coolant and lubricants and speed & feed