

GOVERNMENT POLYTECHNIC JAIPUR

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DEPARTMENT OF MINING ENGINEERING

LESSON PLAN

Discipline: MINING	Semester: 3RD	Name of the Teaching faculty: Sushanta kumar Mohanta
Subject: MOM Lab(Pr-3)	No of Days/Week class allotted: 6	Semester from Date: 1/7/24 To Date: 8/11/24 No of weeks: 15
Week	Class Day	Topics
1st	Group1(3p)	Bernoulli's Theorem by Bernoulli's Verification Apparatus
	Group2(3p)	Bernoulli's Theorem by Bernoulli's Verification Apparatus
	Group1(3p)	Bernoulli's Theorem by Bernoulli's Verification Apparatus
	Group2(3p)	Bernoulli's Theorem by Bernoulli's Verification Apparatus
2nd	Group1(3p)	Bernoulli's Theorem by Bernoulli's Verification Apparatus
	Group2(3p)	Bernoulli's Theorem by Bernoulli's Verification Apparatus/VIVA
	Group1(3p)	Bernoulli's Theorem by Bernoulli's Verification Apparatus/VIVA
	Group2(3p)	Determine rate of flow through the Air flow Bench (Pitot Tube)
3rd	Group1(3p)	Determine rate of flow through the Air flow Bench (Pitot Tube)
	Group2(3p)	Determine rate of flow through the Air flow Bench (Pitot Tube)
	Group1(3p)	Determine rate of flow through the venturimeter set-up.
	Group2(3p)	Determine rate of flow through the Air flow Bench (Pitot Tube)

4th	Group1(3p)	Determine rate of flow through the venturimeter set-up./VIVA
	Group2(3p)	Conduct tensile test of a mild steel specimen and plot stress-strain curve, show salient points on it.
	Group1(3p)	Conduct tensile test of a mild steel specimen and plot stress-strain curve, show salient points on it.
	Group2(3p)	Conduct tensile test of a mild steel specimen and plot stress-strain curve, show salient points on it.
5th	Group1(3p)	Conduct tensile test of a mild steel specimen and plot stress-strain curve, show salient points on it.
	Group2(3p)	Conduct tensile test of a mild steel specimen and plot stress-strain curve, show salient points on it.
	Group1(3p)	Conduct tensile test of a mild steel specimen and plot stress-strain curve, show salient points on it./VIVA
	Group2(3p)	Conduct tensile test of a mild steel specimen and plot stress-strain curve, show salient points on it./VIVA
6th	Group1(3p)	Determine volumetric efficiency of air- compressor.
	Group2(3p)	Determine volumetric efficiency of air- compressor.
	Group1(3p)	Determine volumetric efficiency of air- compressor.
	Group2(3p)	Determine volumetric efficiency of air- compressor.
7th	Group1(3p)	Determine volumetric efficiency of air- compressor./VIVA
	Group2(3p)	Determine volumetric efficiency of air- compressor./VIVA
	Group1(3p)	Study of 2-stroke & 4-stroke diesel engines.
	Group-2(3p)	Study of 2 stroke & 4-stroke diesel engine
8th	Group1(3p)	Study of 2-stroke & 4-stroke diesel engines.
	Group2(3p)	Study of 2-stroke & 4-stroke diesel engines.
	Group1(3p)	Study of 2-stroke & 4-stroke diesel engines.
	Group2(3p)	Conduct I/C engine testing on single cylinder diesel engine & find out I.H.P., B.H.P. & mechanical efficiency

9th	Group1(3p)	Conduct I/C engine testing on single cylinder diesel engine & find out I.H.P., B.H.P. & mechanical efficiency
	Group2(3p)	Conduct I/C engine testing on single cylinder diesel engine & find out I.H.P., B.H.P. & mechanical efficiency
	Group1(3p)	Conduct I/C engine testing on single cylinder diesel engine & find out I.H.P., B.H.P. & mechanical efficiency
	Group2(3p)	Conduct I/C engine testing on single cylinder diesel engine & find out I.H.P., B.H.P. & mechanical efficiency
10th	Group1(3p)	Conduct I/C engine testing on single cylinder diesel engine & find out I.H.P., B.H.P. & mechanical efficiency
	Group2(3p)	Conduct I/C engine testing on single cylinder diesel engine & find out I.H.P., B.H.P. & mechanical efficiency
	Group1(3p)	Conduct I/C engine testing on single cylinder diesel engine & find out I.H.P., B.H.P. & mechanical efficiency
	Group2(3p)	Conduct I/C engine testing on single cylinder diesel engine & find out I.H.P., B.H.P. & mechanical efficiency
11th	Group1(3p)	Conduct I/C engine testing on single cylinder diesel engine & find out I.H.P., B.H.P. & mechanical efficiency
	Group2(3p)	Study of 2-stroke & 4-stroke diesel engines./VIVA
	Group1(3p)	Study of 2-stroke & 4-stroke diesel engines/VIVA
	Group2(3p)	Redemonstration of Bernoulli's Theorem by Bernoulli's Verification Apparatus
12th	Group1(3p)	Redemonstration of Bernoulli's Theorem by Bernoulli's Verification Apparatus
	Group2(3p)	Redemonstration of Determine rate of flow through the venturimeter set-up.
	Group1(3p)	Redemonstration of Determine rate of flow through the venturimeter set-up.
	Group2(3p)	Redemonstration of Conduct tensile test of a mild steel specimen and plot stress-stain curve, show salient points on it.
13th	Group1(3p)	Redemonstration of Conduct tensile test of a mild steel specimen and plot stress-stain curve, show salient points on it.
	Group2(3p)	Redemonstration of Conduct I/C engine testing on single cylinder diesel engine
	Group1(3p)	Redemonstration of Conduct I/C engine testing on single cylinder diesel engine

	Group2(3p)	Redemonstaration of Conduct I/Q engine testing on single cylinder diesel engine
14th	Group1(3p)	Redemonstaration of Conduct I/C engine testing on single cylinder diesel engine
	Group2(3p)	VIVA
	Group1(3p)	VIVA
	Group2(3p)	VIVA
15th	Group1(3p)	VIVA
	Group2(3p)	VIVA
	Group1(3p)	VIVA
	Group2(3p)	VIVA

Sushanta Kumar Mchanta
Sign of Faculty