

**GOVT. POLYTECHNIC ,NAYAGARH**

**3<sup>TH</sup> SEMESTER MECHANICAL ENGINEERING (2022-23)**

**SUBJECTS – ENGG. DRAWING**

**NAME OF FACULTY- PRAFULLA KU. MALLICK PTGF (MECH.ENGG.)**

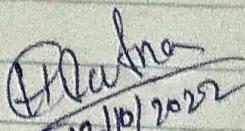
**HIMANSHU PATRA , PTGF (MECH.ENGG.)**

SL NO.	WEEK	DAY	TOPICS TO BE COVERED
1.	1st	1 <sup>st</sup>	Revision of Engineering Drawing of 1st Year
		2 <sup>nd</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
2.	2nd	1 <sup>st</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
		2 <sup>nd</sup>	Draw plan, elevation and side view of different machine elements from their isometric view using AutoCAD & mini drafter
3.	3rd	1 <sup>st</sup>	Engineering drawing of fastening elements in first angle orthographic Projection
		2 <sup>nd</sup>	First angle projection of Bolt
4.	4th	1 <sup>st</sup>	First angle projection of nut
		2 <sup>nd</sup>	First angle projection of threads
5.	5th	1 <sup>st</sup>	Cotter joint
		2 <sup>nd</sup>	Cotter joint
6.	6th	1 <sup>st</sup>	Knuckle joint
		2 <sup>nd</sup>	Knuckle joint
7.	7th	1 <sup>st</sup>	Details to assembly
		2 <sup>nd</sup>	Rigid pedestal bearing
8.	8th	1 <sup>st</sup>	Rigid pedestal bearing
		2 <sup>nd</sup>	Foot step bearing
9.	9th	1 <sup>st</sup>	Foot step bearing
		2 <sup>nd</sup>	Simple Screw jack
10.	10th	1 <sup>st</sup>	Simple Screw jack
		2 <sup>nd</sup>	Assembly to details

11	11th	1st	Connecting rod of IC Engine
		2nd	Connecting rod of IC Engine
12	12th	1st	Boiler safety valve
		2nd	Boiler safety valve
13	13th	1st	Spring loaded valve
		2nd	Spring loaded valve
14	14th	1st	Hydraulic non return valve
		2nd	Hydraulic non return valve
15	15th	1st	Flat belt pulley
		2nd	Flat belt pulley

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Pr, 15.9.2022

  
12/10/2022  
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