

**GOVERNMENT POLYTECHNIC JAJPUR**  
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**DEPARTMENT OF MECHANICAL ENGINEERING**

<b>Discipline:</b> Mechanical	<b>Semester:</b> 3RD	<b>Name of the Teaching faculty:</b> MANAS KUMAR MISHRA
<b>SUBJECT:</b> WORKSHOP II	<b>No of Days/Week</b> class allotted: 6 <b>Total period:</b> 90 P	<b>Semester starts from Date:</b> 01/08/2023 To 31/11/2023 <b>No of weeks:</b> 15
<b>Week</b>	<b>Class Day</b>	<b>Topics</b>
1st	1(3P)	EXPT. 1 Introuduction to fitting practices.
		Description for preparation of calliper
		Job practice for calliper.
	2(3P)	Job practice for calliper.
		Job practice for calliper.
		Job practice for calliper.
2nd	3(3P)	Job practice for calliper.
		Job practice for calliper.
		Record check AND viva for calliper.
	4(3P)	EXPT. 2 Theory for preparation of Try square.
		Job practice for Try square.
		Job practice for Try square.
3rd	5(3P)	Job practice for Try square.
		Job practice for Try square.
		Job practice for Try square.
	6(3P)	Job practice for Try square.
		Job practice for Try square.
		Record check and VIVA for Try square.
4th	7(3P)	EXPT. 3 Description and theory for preparation of Hammer.
		Job practice for Hexagonal hammer.
		Job practice for Hexagonal hammer.
	8(3P)	Job practice for Hexagonal hammer.
		Job practice for Hexagonal hammer.
		Job practice for Hexagonal hammer.
5th	9(3P)	Job practice for Hexagonal hammer.
		Job practice for Hexagonal hammer.
		Record check and VIVA for hammer
	10(3P)	EXPT. 4 Introuduction and description for smithy practice.
		Preparation of Door ring with hook.
		Preparation of Door ring with hook.
6th	11(3P)	Preparation of Door ring with hook.
		Preparation of Door ring with hook.
		Preparation of Door ring with hook.
	12(3P)	Preparation of Door ring with hook.
		Preparation of Door ring with hook.
		Preparation of Door ring with hook.

		Record check and VIVA for smithy practice.
7th	13(3P)	EXPT. 5 Preparation of Hexagonal head bolt.
		Preparation of Hexagonal head bolt.
		Preparation of Hexagonal head bolt.
	14(3P)	Preparation of Hexagonal head bolt.
		Preparation of Hexagonal head bolt.
8th	15(3P)	Preparation of Hexagonal head bolt.
		Preparation of Hexagonal head bolt.
		Record check and VIVA for smithy practice.
	16(3P)	EXPT. 6 Preparation of Octagonal flat chisel.
		Preparation of Octagonal flat chisel.
		Preparation of Octagonal flat chisel.
9th	17(3P)	Preparation of Octagonal flat chisel.
		Preparation of Octagonal flat chisel.
	18(3P)	Preparation of Octagonal flat chisel.
		Record check and VIVA for smithy practice.
10th	19(3P)	EXPT.7 Introduction and Description of Carpentry section
		Job practices on cutting of slot, botch, mortise and tenon joint.
		Preparation of mortise and tenon joint.
	20(3P)	Preparation of mortise and tenon joint.
		Preparation of mortise and tenon joint.
11th	21(3P)	Preparation of mortise and tenon joint.
		Preparation of mortise and tenon joint.
		Record check and VIVA for carpentry practice.
	22(3P)	EXPT. 8 Preparation of single dove tail joint.
		Preparation of single dove tail joint.
		Preparation of single dove tail joint.
12th	23(3P)	Preparation of single dove tail joint.
		Preparation of single dove tail joint.
	24(3P)	Preparation of single dove tail joint.
		Record check and VIVA for carpentry practice.
13th	25(3P)	EXPT. 9 Introduction and description of arc welding practice.
		Preparation of lap joint by using arc welding process.
		Preparation of lap joint by using arc welding process.
	26(3P)	Preparation of lap joint by using arc welding process.
		Preparation of lap joint by using arc welding process.
14th	27(3P)	Preparation of lap joint by using arc welding process.
		Preparation of lap joint by using arc welding process.
		Record check and VIVA for welding practice.
	28(3P)	EXPT. 10 Preparation of butt joint by using arc welding process.
		Preparation of butt joint by using arc welding process.
		Preparation of butt joint by using arc welding process.
15th	29(3P)	Preparation of butt joint by using arc welding process.
		Preparation of butt joint by using arc welding process.
		Preparation of butt joint by using arc welding process.

	30(3P)	Preparation of butt joint by using arc welding process. Record check and VIVA for welding practice.
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28/07/23  
Signature of Faculty