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Examination: Even Semester Examination 2023

Paper Name: Workshop/Manufacturing Practices **Paper Code: BTCSE/BTECE 204**

Time: 2.5 Hours **Maximum Marks:60**

Course Outcomes:

CO1: Understand the appropriate tools, materials, instruments required for specific operations in workshop.

CO2: Apply techniques to perform basic operations with hand tools and power tools such as centre lathe machine, drilling machine using given job drawing.

CO3: Understand the figures of the hand tools used in fitting, carpentry, foundry, welding shop and machine tools such as lathe machine and drilling machine.

CO4: Understand a report related to hand tools and machine tools description referring to library books and laboratory manuals.

CO5: Understand report of procedures followed for a given task in fitting, carpentry, foundry, sheet metals, welding and machine shops

PART –A

(All questions are compulsory) **(5 X 4 =20)**

Q.No	Questions	Marks	Course Outcomes	Blooms Taxonomy Level
Q.1	What is the purpose of the pattern in sand casting, Material Used in Pattern?	5	CO5	L2
Q.2	What are the different types of welding joints?	5	CO1	L1
Q.3	What is the forging process, and how does it differ from other forming processes?	5	CO2	L3
Q.4	What are the primary differences between CNC machining and additive manufacturing?	5	CO3	L2

PART – B

(Attempt any "Four" questions outoffour) **(4 X 10 =40)**

Q.No	Questions	Marks	Course Outcomes	Blooms Taxonomy Level
Q.1	How would you define the rolling process, and what are its primary applications in manufacturing?	10	CO3	L3
Q.2	What are the different types of plastic molding processes?	10	CO4	L3
Q.3	Describe briefly the centrifugal casting using neat sketches. State its advantages, disadvantages, and generation applications	10	CO3	L3
Q.4	What is the flame used for in gas welding and their applications	10	CO3	L2
Q.5	How does CNC machining work, and what are its main applications?	10	CO2	L2
Q.6	What are the different parts of the Lathe machine?	10	CO2	L2