

**Model Question Paper-1 with effect from 2023-24(CBCS 2022 Scheme)**

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**Third Semester \_\_ B.E. Degree Examination****Manufacturing process****TIME: 03 Hours****Max. Marks: 100**

Note: 01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			*Bloom's Taxonomy Level	COs	Marks
Q.01	a	Elaborate with a neat sketch green sand moulding.	L2	CO1	10
	b	Draw a neat sketch and explain the concept of gating and risering	L2	CO1	10
OR					
Q.02	a	Briefly discuss the steps involved in the casting.	L3		10
	b	Write a short on types of pattern material and coding.	L2	CO1	10
Module-2					
Q.03	a	Discuss with a neat sketch the jolt squeeze machine.	L2		10
	b	List out the different casting defects, causes and remedies.	L3	CO2	10
OR					
Q.04	a	Draw a neat sketch and explain the direct arc furnace.	L2	CO2	10
	b	Briefly explain the working of cupola furnace.	L2		10
Module-3					
Q.05	a	Draw a neat sketch and explain the seam welding.	L2	CO2	10
	b	List out the types of the welding process.	L2		10
Q.06	a	Compare the brazing, soldering and welding process.	L3	CO3	10
	b	Briefly discuss the electron beam welding	L2	CO3	10
Q.07	a	Briefly explain the elastic and plastic deformation, strain hardening.	L2	CO3	8
	b	List out the methods of forging.	L2	CO3	6
	c	Explain briefly the forging hammers and presses.	L2		6
Q.08	a	Write a short on ; Lancing, Piercing, Blanking, Notching, Embossing	L2	CO3	10
	b	List out the types of the rolling techniques.	L2	CO3	10
Q.09	a	Classify the types and write the specification of the lathe machine.	L3	CO3	10
	b	Write the desirable properties of the cutting tool materials	L2	CO4	10
Q.	a	Discuss with a neat sketch the single point cutting tool	L3	CO4	10

10		nomenclature.			
	b	Briefly explain the working of horizontal milling machine	L2	CO4	10

\*Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.

## Model Question Paper-2/ with effect from 2023-24(CBCS 2022 Scheme)

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### Third Semester \_\_ B.E. Degree Examination

### Manufacturing process

TIME: 03 Hours

Max. Marks: 100

Note: 01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			*Bloom's Taxonomy Level	COs	Marks
Q.01	a	Write a short on types of pattern allowances	L2	CO1	10
	b	Briefly discuss the steps involved in the casting.	L2	CO1	10
OR					
Q.02	a	Elaborate with a neat sketch sweep moulding.	L3		10
	b	Draw a neat sketch and explain the concept of gating and risering	L2	CO1	10
Module-2					
Q.03	a	List out the different casting defects, causes and remedies.	L2		10
	b	Discuss with a neat sketch the jolt squeeze machine	L3	CO2	10
OR					
Q.04	a	Briefly explain the working of cupola furnace	L2	CO2	10
	b	Draw a neat sketch and explain the direct arc furnace.	L2		10
Module-3					
Q.05	a	Draw a neat sketch and explain the gas welding.	L2	CO2	10
	b	List out the types of the welding process.	L2		10
Q.06	a	Compare the brazing, soldering and welding process.	L3	CO3	10
	b	Briefly discuss the electron beam welding	L2	CO3	10
Q.07	a	Briefly explain the elastic and plastic deformation, strain hardening.	L2	CO3	8
	b	List out the methods of forging.	L2	CO3	6
	c	Explain briefly the forging hammers and presses.	L2		6
Q.08	a	Write a short on ; Lancing, Piercing, Blanking, Notching, Embossing	L2	CO3	10
	b	List out the types of the rolling techniques.	L2	CO3	10
Q.09	a	Classify the types and write the specification of the lathe machine.	L3	CO3	10
	b	Write the desirable properties of the cutting fluids.	L2	CO4	10
Q.10	a	Discuss with a neat sketch the single point cutting tool nomenclature.	L3	CO4	10

	b	Briefly explain the working of Drilling machine	L2	CO4	10
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\*Bloom's Taxonomy Level: Indicate as L1, L2, L3, L4, etc. It is also desirable to indicate the COs and POs to be attained by every bit of questions.