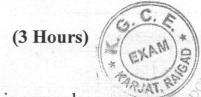
Paper / Subject Code: 41503 / Manufacturing Engineering -II

S.E. SEM / IV / PROD / CHOICE BASE / MAY 2019 / 17.05.2019



Max. Marks: 80

## N.B:

1)	Question	No	ONE	is	com	ulsory.	
- 1	A						

- 2) Attempt any THREE out of remaining FIVE questions.
- 3) Figures to the right indicate full marks.

Sintering, Infiltration and impregnation.

- 4) Illustrate answers with proper justification and neat sketches wherever required
- 5) Answers to questions should be grouped and written together.

Q.1		Explain in brief (Any Four)	20
		i) Core prints mould and core boxes	8
		ii) Electrical Discharge machining.	
	i dis i	iii) Properties of moulding sand	
		iv) Cleaning of casting (Fettling).	
		v) Brazing and soldering.	
		vi) Resin Transfer molding process of composite manufacturing.	
		vii). Characteristic of thermoplastic and thermosetting plastics	
Q.2	(a)	- BESTANDER BUILDER B	10
		Explain the process of Ultrasonic Machining with its advantage,	10
		limitations and applications.	
Q.3	(a)	. Explain the process of Laser Beam Machining (LBM) with its	10
		advantages, limitations and applications.	
	(b)	Explain the composite manufacturing process of Pultrusion and Filament	10
		winding process.	
Q.4	(a)	Explain with neat sketch the Slip Casing process with its applications.	10
	(b)	Explain Pressure Die Casting technique with its advantages, limitations	10
	7600 A	and applications	
Q.5	(a)	State the various plastic processing methods and describe one of them	10
		with neat sketch, stating their advantages and limitations.	
	(b)	Explain various welding defects with causes and remedies.	10
Q.6	(a)	Name the various arc welding processes and explain one of them in detail	10
		with its advantages, disadvantages and applications.	
Y 40 13	(b)	Explain the terms with reference to the powder- metallurgy process:	10