



ACE
Engineering College
(with a Difference in Excellence)

An AUTONOMOUS Institution

Question Paper Code:

ME304PC

ACE-R20

Semester Supplementary Examination
II B. Tech- I Semester- SEPTEMBER-2022
PRODUCTION TECHNOLOGY
(Mechanical Engineering)

Time: 3 Hours

Max. Marks: 70

H. T. No										
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Answer any 5 Questions out of 8 Questions from the following

Q.No	Question	Marks
1. a)	What is casting? Give the advantages, limitations and applications	07
1.b)	Explain the properties required for moulding sand.	07
2. a)	Classify the types of patterns and sketch any three of them	07
2.b)	What is core and explain how to make a core	07
3. a)	Define welding. What are different welding joints and their characteristics	07
3..b)	Explain different types of flames with neat sketches and mention its applications	07
4. a)	Describe metal inert Gas arc welding process with a neat sketch	07
4.b)	Describe the process and applications of Thermit welding	07
5. a)	Explain Submerged Arc Welding process with neat sketch.	07
5.b)	Explain the process of brazing and soldering and different types of it.	07
6. a)	What is rolling stand and explain different arrangements?	07
6.b)	Distinguish between hot rolling and cold rolling.	07
7. a)	Enumerate the applications in cold working and hot working	07
7.b)	Explain the principle of drawing.	07
8. a)	What is forging and explain any 2 types of forging?	07
8.b)	Briefly explain HERF (High Energy Rate Forming) Process.	07