

Code No: RT22033

**R13****SET - 1**

**II B. Tech II Semester Supplementary Examinations, April-2018**  
**PRODUCTION TECHNOLOGY**  
(Common to ME and AME)

Time: 3 hours

Max. Marks: 70

Note: 1. Question Paper consists of two parts (**Part-A** and **Part-B**)  
2. Answer **ALL** the question in **Part-A**  
3. Answer any **THREE** Questions from **Part-B**

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**PART – A**

1. a) What are the advantages of casting?  
b) What is the function of Riser? Explain  
c) What is MIG welding?  
d) What is meant by weldability of metals? Justify your answer.  
e) What are the types of rolling mills used?  
f) What is stretch forming process? (3M+4M+4M+3M+4M+4M)

**PART – B**

2. What are the pattern allowances and why such allowances are provided? (16M)
3. What are the types of die casting? Which die casting process is used for which metal and why? (16M)
4. a) How oxy acetylene gas cutting takes place.  
b) What is manual metal arc welding? Explain? (8M+8M)
5. a) Describe the process and applications of thermit welding.  
b) Classify solid state welding processes. (12M+4M)
6. Describe the method, advantages and application of powder metallurgy. (16M)
7. What are the applications and processing methods for injection moulding? (16M)