

II B. Tech II Semester Supplementary Examinations, November - 2019
PRODUCTION TECHNOLOGY
(Com to ME, 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 **FOUR** Questions from **Part-B**
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PART -A

1. a) What are the factors which govern the selection of proper material for pattern materials? (2M)
- b) Write any two merits and demerits of lost wax process. (2M)
- c) Write a short note on right ward welding with a diagram. (3M)
- d) Define soft soldering and hard soldering. (2M)
- e) Write a short note on wire drawing. (3M)
- f) Write any two differences between thermo plastics and thermo setting plastics. (2M)

PART -B

2. What are the different types of gates you know? Explain them with neat sketches stating their relative merits and demerits. (14M)
3. Sketch cupola furnace and label essential parts. Also describe the operation of cupola in detail. (14M)
4. a) Explain the working principle of MIG welding with a neat diagram. (7M)
- b) Write any seven differences between AC and DC arc welding. (7M)
5. a) Explain in brief about resistance welding. (7M)
- b) Explain about any two Non-Destructive testing of welding. (7M)
6. a) Write a short note on impact extrusion. (7M)
- b) Write any seven differences between hot working and cold working. (7M)
7. a) Write a short note on spring back bending process. (6M)
- b) Explain about blow moulding process. (8M)

