

Total Marks- 80

Duration: 3 Hours

- N.B.**
- 1) First Question (Q.1) is Compulsory.
 - 2) Attempt any 3 questions from the remaining 5 (Q.2 - Q.6) questions.
 - 3) Figures to the right indicate full marks
 - 4) Proportionate and labelled free-hand sketches would do

Q1. Write a short note on (Any four)

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- a) Brazing joining process
- b) Split pattern
- c) Wire drawing
- d) CNC-Vertical Machining Center
- e) Thermosetting plastic
- f) Gear hobbing

Q2. a) Write difference between TIG and MIG welding.

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b) Explain different types of allowances put on pattern in casting.

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Q3. a) Describe Thread Rolling with its applications.

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b) Explain Drop forging process with sketch.

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Q4. a) What are different operations performed on Milling machine ?

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b) Explain Truing and Dressing of grinding wheel.

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Q5. a) Write difference between Compression moulding and Injection moulding.

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b) Explain feedback control system in CNC machines.

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Q6. a) What are different types of Casting defects? Explain two with sketch.

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b) Explain Gear Grinding process with advantages and disadvantages.

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