

## **SECTION-B**

**Note:** Short answer type questions. Attempt any six questions out of eight questions.  $(6 \times 5 = 30)$

- Q.11 Explain forward extrusion with a sketch.
- Q.12 Write in brief about Thermit welding.
- Q.13 Explain the fluorescent method used for testing of welded joint.
- Q.14 With a neat sketch, explain the different parts of a gating system.
- Q.15 What are pattern allowances? Explain any two-pattern allowances with a neat sketch.
- Q.16 What is meant by "risering"? State the advantages that are provided by a riser.
- Q.17 What do you understand by mechanization of foundries? How is it the need of present age?
- Q.18 Write a short note on self-lubricated bearing.

## **SECTION-C**

**Note:** Long answer questions. Attempt any one questions out of two questions.  $(1 \times 10 = 10)$

- Q.19 Explain Electron Beam welding with a neat sketch.
- Q.20 Discuss briefly the materials, which are added to moulding sand to improve their moulding properties.

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Roll No. ....

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**2nd Sem, Level 4 / DVOC (Auto. Servicing, PT, AMT)**

**Subject : Manufacturing Technology - II**

Time : 2 Hrs.

M.M. : 50

## **SECTION-A**

**Note:** Very short questions. Attempt all ten questions.  $(10 \times 1 = 10)$

- Q.1 Fusibility
- Q.2 Weld bead geometry
- Q.3 Filler roads
- Q.4 Methods of non-destructive testing of welded joints
- Q.5 Write various materials used for making of a pattern
- Q.6 Parting powders
- Q.7 Flux
- Q.8 Coring up
- Q.9 Die casting
- Q.10 Sintering