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**DVOC (Level 4)**

**Sem / Trade**

**Subject : Manufacturing Technology-II**

Time : 2 Hrs.

M.M. : 50

### **SECTION-A**

**Note:** Very short questions. Attempt all ten questions.

(10x1=10)

- Q.1 Define the term deformability.
- Q.2 What is extrusion?
- Q.3 What is core?
- Q.4 What is the use (any one) of filler rod?
- Q.5 Write the name of any four non-destructive methods of testing.
- Q.6 What is flux?
- Q.7 Define the term moulding.
- Q.8 What is sintering?
- Q.9 Define casting.
- Q.10 What is the use of riser?

### **SECTION-B**

**Note:** Short answer type questions. Attempt any six questions out of eight questions. (6x5=30)

- Q.11 Write a short note on hot forging.

Q.12 What is resistance welding ? Write its various applications.

Q.13 Write short note on Ultrasonic method of testing.

Q.14 Give a comparison of AC and DC arc welding.

Q.15 What is pattern? Write its various functions.

Q.16 Write a short note on color scheme for pattern defects.

Q.17 What do you understand by mechanization of foundries? Write in brief about it.

Q.18 What are the principal methods used to produce metallic powders.

### **SECTION-C**

**Note:** Long answer questions. Attempt any one questions out of two questions. (1x10=10)

Q.19 With suitable sketch explain the process of TIG welding. What are its disadvantages?

Q.20 Explain the various properties of moulding sand.

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