

Q.9 A continuous spot welding process is called \_\_\_\_\_.

Q.10 Metal mould are used in \_\_\_\_\_.

### SECTION-B

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

Q.11 Explain with neat sketch, the working principle of Thermit welding.

Q.12 Define the following processes:

- (a) Punching                      (b) Blanking
- (c) Boring

Q.13 Describe the different types of allowances used on patterns.

Q.14 Write short note on x-ray testing of welds.

Q.15 Draw the neat sketch of pit furnace and label its various parts.

Q.16 Describe the main processes used for making a product by powder metallurgy.

Q.17 Explain the various types of electrodes used in welding processes.

Q.18 Briefly explain the basic idea of fettling operations.

### SECTION-C

**Note:** Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

Q.19 Explain with neat sketch, the construction and working of TIG welding.

Q.20 Give the classification of metal forming processes on the basis of deformability, fusibility and divisibility.

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**DVOC (Level: 4) Sem.II**  
**(Auto Servicing, PT, AMT)**

**Subject : Manufacturing Technology-II**

Time : 2 Hrs.

M.M. : 50

### SECTION-A

**Note:** Very short answer questions. Attempt all ten questions. (10x1=10)

Q.1 What is the standard color coding of acetylene gas cylinder?

Q.2 A metal forming processes in which material squeezes out through a die hole is known as \_\_\_\_\_.

Q.3 A multi-spot welding processes is called \_\_\_\_\_.

Q.4 A \_\_\_\_\_ allowance is provided on the pattern for its easy withdrawal from the sand mould?

Q.5 The operation in which oil is permeated into the pores of a powder metallurgy product is known as \_\_\_\_\_.

Q.6 A \_\_\_\_\_ is mainly used for repairing and finishing of mould. (Slick/Tong)

Q.7 Under which light, the magnetic particles with fluorescent coating are seen? (Ultraviolet/ Infrared)

Q.8 In investment casting, \_\_\_\_\_ patterns are used.

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