

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 arc welding.
- Q.12 What are the common materials used for making patterns? Also, write the factors affecting the selection of pattern materials.
- Q.13 Define the following processes:- (a) spinning
(b) Forging (c) Drilling
- Q.14 Explain with neat sketch, the working principle of MIG.
- Q.15 What are the desirable characteristics of a good moulding sand?
- Q.16 Describe the investment mould casting
- Q.17 What are the advantages of powder metallurgy processes.
- Q.18 What are different methods of producing metal powders? Describe the "Atomization" process.

SECTION-C

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

- Q.19 Explain with neat sketch, the working of die casting. Also, write its types.
- Q.20 (a) Write short note on magnetic particles test conducted on welded joints
(b) Draw the diagram of cupola furnace by labelling its various parts.

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DVOC (Level 4)
Sem 2nd / Auto Servicing , PT, AMT
Subject : Manufacturing Technology - II

Time : 2 Hrs.

M.M. : 50

SECTION-A

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

- Q.1 Chalets are made of _____.(metals / wood)
- Q.2 What is the standard color of oxygen gas cylinder ?
- Q.3 Plaster patterns and core boxes are made of _____.(White cement/Gypsum cement)
- Q.4 Flux used in cupola furnace while melting cast iron is _____.
- Q.5 Permanent mould casting is also known as _____.
- Q.6 Which type of test on welding is generally not used on final product ? (Destructive / Non Destructive test)
- Q.7 The most commonly used flame in gas welding is _____.
- Q.8 Which metal forming process is used for making wires?
- Q.9 In flash Butt welding, the forced out metal is called_____.
- Q.10 What percentage of water is used in green sand?
(5% 10 %/ 15 %)

(40)

(2)

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(1)

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