

Q.18 Write the various techniques employed for production of metal powders. Explain any one.

SECTION-D

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

Q.19 Explain Metal Inert Gas (MIG) welding with neat sketch.

Q.20 Explain Die Casting with the help of neat sketch.

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

Subject : Manufacturing Technology-II

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Multiple choice questions. All questions are compulsory (5x1=5)

Q.1 Thermit welding is a form of.....

- a) Resistance welding
- b) Gas welding
- c) Fusion welding
- d) Forge welding

Q.2 In MIG, welding the metal is transferred in the form of.....

- a) A fine spray of metal
- b) Molten drops
- c) Weld pool
- d) Molecules

Q.3 The molding sand is prepared by_____method.

- a) Manual work b) Sand Mueller
- c) Sand sieve d) Rotator

Q.4 Which of the following is the most corrosion prone pattern material?

- a) Lead b) Steel
- c) Brass d) Grey Cast Iron

Q.5 Which of the following is a step of powder metallurgy?

- a) The production of metal powder
- b) The consolidation and fusing of the powder into a solid metal
- c) The compaction and shaping of the powder
- d) All of the above mentioned

SECTION-B

Note:Objective/ Completion type questions. All questions are compulsory. (5x1=5)

Q.6 What is the principle of welding?

Q.7 What is the function of flux?

Q.8 What is riser?

Q.9 What do you mean by compaction in powder metallurgy?

Q.10 List any two pattern materials.

SECTION-C

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

Q.11 Write the advantages of gas welding.

Q.12 Write the applications of Atomic Hydrogen arc welding.

Q.13 Explain briefly oxy acetylene cutting torch with neat sketch.

Q.14 What is non -destructive testing? Write the names of various non-destructive testing techniques. Explain any one.

Q.15 Write the various factors, which affect the soundness of casting.

Q.16 Give the classification of mould materials according to their characteristics.

Q.17 Write in brief about investment mould casting process.