

Q.22 What are the causes and remedies of blow holes in casting. (CO3)

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

Q.23 Explain with neat sketch, construction and working of pit furnace. (CO3)

Q.24 Explain in details the principle parts of milling machine with neat diagram. (CO4)

Q.25 Explain any eight casting defects. (CO2)

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**3rd Sem / Automobile, Mechanical Engg., Mechanical
(Tool & Die Design)**

Subject : Workshop Technology - II

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

Q.1 Grey iron is welded by (CO1)

- a) T.I.G Welding b) Gas welding
- c) Arc welding d) All of the above

Q.2 Which gases are used in T.I.G Welding. (CO1)

- a) Argon & Helium b) Argon & Neon
- c) Oxygen & Acetylene d) None of these

Q.3 Match plate pattern is used in. (CO2)

- a) Green sand moulding
- b) Bench moulding
- c) Machine moulding
- d) Pit moulding

Q.4 What is the typical machining allowance for aluminium. (CO2)

- a) 0.5 b) 1.6
c) 2.5 d) 3.5

Q.5 Cutting tool in horizontal milling is mounted on. (CO4)

- a) Knee b) Saddle
c) Spindle d) Arbor

Q.6 Fixtures are generally provided to. (CO5)

- a) Locate the Job b) Guide the Tool
c) Hold the Job d) All of the above

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory. (6x1=6)

Q.7 What is ultrasonic welding. (CO1)

Q.8 _____ Welding uses non consumable electrodes. (CO1)

Q.9 Slush casting is used to make ornaments. (True/False) (CO2)

Q.10 In machining of mild steel _____ cutting fluids is required. (CO3)

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Q.11 _____ Point cutting tool is used in milling machine. (CO4)

Q.12 In gas welding the ratio of oxyacetylene is 1:1 then flame will be _____. (CO1)

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

Q.13 What are the safety precautions to be taken during Gas welding? (CO1)

Q.14 Give the uses of jigs and fixtures. (CO5)

Q.15 What is the difference between Shaper and Slotter. (CO4)

Q.16 Draw a neat sketch of pull broach and label its parts. (CO4)

Q.17 Write a brief note on riser location. (CO2)

Q.18 What are the advantages of wood as a pattern material. (CO2)

Q.19 Write the advantages of synthetic sand over natural sand. (CO3)

Q.20 Explain working principle of milling machine. (CO4)

Q.21 Explain the procedure for making a core. (CO3)

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