

- c) Electrolysis d) Gas atomization

SECTION-B

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

- Q.6 Define arc initiation.
 - Q.7 Write any four non-destructive methods used for testing of welds.
 - Q.8 What is core?
 - Q.9 Define sintering.
 - Q.10 What is pouring basin?

SECTION-C

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

- Q.11 What is metal forming? Write the classification of various metal forming processes.

Q.12 What is thermit welding? Write its application.

Q.13 Write the procedure for Gas Shielded Metal Arc welding.

Q.14 Explain the fluorescent penetration techniques for testing of welded joints.

Q.15 Explain pit furnace with neat sketch.

Q.16 What is pattern allowance? Write the types of pattern allowances. Explain any one.

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

Q.18 Write the advantages and limitations of Power Metallurgy.

SECTION-D

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

- Q.19** Write short note on (A) Stud welding (B) Ultrasonic testing of welded joints.

Q.20 Explain Investment mould casting with the help of neat diagram. (2)

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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** TIG welding is best suited for welding _____
a) Mild steel welding b) Stainless steel
c) Silver d) Aluminium
e) carbon steel

Q.2 Which flame is suitable for welding of ferrous metals, Cu and Al alloys?
a) Oxidizing flame b) Carburizing flame
c) Neutral flame d) None of the above

Q.3 Which of the following is an advantage of the Green sand molding process in foundry?
a) Appropriate for long production run
b) Very low cost process
c) Sand is reusable
d) All of the mentioned

Q.4 Which of the following furnace is used for melting in foundries?
a) Cupola b) Assembly Line
c) Pit Furnace d) Electric Induction

Q.5 Which of the following powder production method is used for the production of non-porous bearing with steel backing?
a) Mechanical alloying b) Water atomization

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