

S. B. Roll. No.....

WORKSHOP TECHNOLOGY-I
3rd Exam/Mech./Mech Engg. Prod/Prod/Auto/9360/Nov'24
(For 2023 Batch)

Duration: 3Hrs.

M.Marks:50

SECTION-A

Q1. Do as directed any nine of the following.

9x1=9

- a. Gases uses in the TIG welding are_____
- b. Grey cast iron is best welded by_____
- c. The most common used pattern material is_____
- d. Cores are well supported by_____
- e. Precision casting is another name of_____
- f. Chaplets are used in casting process to_____
- g. The cold working operations are subjected to_____
- h. Filler metal is not used in autogeneous welding. (T/F)
- i. Plastic materials are bio-degradable. (T/F)
- j. Work hardening occurs in cold working. (T/F)
- k. Green sand have no moisture (T/F)
- l. The material used for wire drawing must have high_____

SECTION-B

Q2. Attempt any five questions.

5x4=20

- i. Explain the applications of A.C and D.C welding.
- ii. Describe various types of moulding sand and explain their properties.
- iii. Discuss some limitation of plastic.
- iv. What do you understand by gas welding?
- v. What are casting defects?
- vi. Difference between the hot rolling and cool rolling.
- vii. What do you mean by the clearance between die and punch?

SECTION-C

Q3. Attempt any three questions.

3x7=21

- a. What is the difference between the thermosetting and thermoplastic?
- b. Explain the construction and working of cupola of furnace.
- c. What is the difference between hot working and cold working?
- d. What do you mean by the pattern? Explain their functions and applications.
- e. What is resistance welding? Give its advantages and applications.

P.S.B.T.E. & I.T.

