S.B. Roll No.....

WORKSHOP TECHNOLOGY-I

3rd Exam/Mech./RAC/Prod/Auto/0533/0653/0933/Nov'17

Duration: 3Hrs. **M.Marks:75**

SECTION-A

Q1. a) Fill in the blanks. **1x15=15**

i. Acetylene gas is generated from _____.
ii. MIG stands for _____
iii. Plastic patterns provide_____ surface finish
iv. Draft allowance helps in easy _____ of pattern from sand.
v. Cores are prepared in_____.
vi. The bottom most flask in mould is called_____.
vii. The process of deforming raw material under hammering is called _____
viii. Tube drawing is used to produce _____ tubes.
ix. Plastics are _____in weight.
x. Plastics are also known as _____

b) State True or False.

xi. A C arc welding can be used in both straight and reverse polarities.
xii. Chaplets are used to support cores in mould cavity.
xiii. Cupola furnace is used to melt huge amount of raw material.
xiv. Swage block is used to deform the material.
xv. Plastics are difficult to shape and mould.

SECTION-B

Q2. Attempt any five questions. **5x6=30**

a. List advantages and disadvantages of welding?
b. Explain the application of A C and D C welding.
c. What is a pattern? What are its functions?
d. Differentiate between bench moulding and floor moulding.
e. What is the function of riser in moulding.
f. What is hot and cold extrusion?
g. What are the basic types of plastics?

SECTION-C

Q3. Attempt any three questions. **3x10=30**

i. What is ultrasonic welding? Give its advantages and applications.
ii. Explain various types of gas welding flames with neat sketch.
iii. What are common allowances provided on pattern and why?
iv. Explain various types of moulding process.
v. What is press working? Explain various press operations.