

Branch: Foundry & Forging
Subject Name: Forging Technology-II

Time Allowed : 3 Hrs.

MM:100

Section –A

Note: Multiple Choice questions. All questions are compulsory. **10x1=10**

Section-B

Note: Objective type questions. All questions are compulsory. 10x1=10

- Q.11 Define forging tool?
 - Q.12 Write names of main forging equipments?
 - Q.13 Define punches?
 - Q.14 What is closed die forging?
 - Q.15 What is parting line?
 - Q.16 What is objective of Roll forging?
 - Q.17 Why Draft angles are necessary in forging dies?
 - Q.18 What is barreling?
 - Q.19 What is flash gutter?
 - Q.20 Define stock?

Section –C

Note: Short answer type Questions. Attempt any twelve questions out of fifteen questions.

$$12 \times 5 = 60$$

- Q.21 Discuss the properties of furnaces fuels.
 - Q.22 Explain the types of loading
 - Q.23 How net weight of forged part is calculated?
 - Q.24 Write the difference between cutting and trimming dies?
 - Q.25 Describe the method of repairing a forging.
 - Q.26 What is the purpose of heat treatment of steel forgings?
 - Q.27 What are the fuels used in reheating furnaces. Give their suitability for forging.
 - Q.28 Give the classification of defects.
 - Q.29 How net weight of forged part is calculated?
 - Q.30 List of advantages of liquid forging.
 - Q.31 Which type of material is preferred for forging?
 - Q.32 Describe any two furnace control equipment with the help of diagram
 - Q.33 How net weight of forged part is calculated?
 - Q.34 What is roll forming? How it is different from rolling?
 - Q.35 Sketch and describe any power hammer.

Section-D

Note: Long answer questions. Attempt any two questions out of three questions.

$$2 \times 10 = 20$$

- Q.36 Discuss in detail the types of furnaces used for melting of metals.

Q.37 What are the common forging defects? Also write the various factors responsible for them.

Q.38 Explain the furnace control system and heat recovery system