

MM:100

Section –A

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

- Q.1 What is forging?
a) Hammering a heated metal
b) A casting process
c) A electronic component
d) Machine process
- Q.2 Which tool is used for forging compressive force application?
A) Hot Chisel B) Roller c) Fullers d) Swage Block
- Q.3 In which of the following forging operation repeated hammering and closed die is used?
a) Drop forging b) Smith forging c) Coining d) Press forging
- Q.4 Punching a number of holes in a sheet is known as?
a) Perforating b) Parting c) Notching d) Lancing
- Q.5 What causing Crack in forging?
A) Unequal stress distribution b) Equal stress distribution
c) both of the above d) none of the above
- Q.6 how many types of cracks are there_____
- Q.7 a) 1 b)2 C) 6 D) 3
- Q.8 A die is used in_____
a) casting process b)forging process c) extrusion process d) All of these
- Q.9 in which of the following forging metal is kept in the lower die?
a) Closed die forging process b) open die forging process
c) Hold Die d) None of the above
- Q10 Equipment used in forging
a) Hammers b) Tongs c) Anvil d) All of the above

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.
12x5=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.
2x10=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