

## **SECTION-B**

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

- Q.11 Write down the composition and any two properties and two uses of White Cast Iron.
- Q.12 Write down the mechanical properties of metals.
- Q.13 Differentiate between low carbon steel and high carbon steel.
- Q.14 Define varnish. Name the essential ingredients of varnish. Enlist any two characteristics of it.
- Q.15 Enlist the properties and uses of Cork.
- Q.16 Define Plastic. Write down the general properties of Plastics.
- Q.17 Why alloys are preferred over the pure metals.
- Q.18 Define Hardening. Enlist the purpose of hardening a metal.

## **SECTION-C**

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

- Q.19 Explain the 'S' curve in steel with a diagram. Write down its significance also.
- Q.20 i) Write down the uses of the following :  
a) P.V.C. Pipes      b) R.C.C. Spun  
ii) Characteristics of a good paint.

No. of Printed Pages : 2

Roll No. ....

188642

**Level 4 / 2nd. Sem. / DVOC**

**Auto Servicing, PT, AMT**

**Subject : Material Science & Materials**

Time : 2 Hrs.

M.M. : 50

## **SECTION-A**

**Note:** Very short answer type questions. All questions are compulsory (10x1=10)

- Q.1 Give an example of Metal.
- Q.2 Bakelite is a trade name of \_\_\_\_\_
- Q.3 The purest form of Iron is \_\_\_\_\_
- Q.4 Number of atoms shared by a unit cell of FCC crystal structure is \_\_\_\_\_
- Q.5 Corrosion Resistance of steel is increased by the addition of \_\_\_\_\_
- Q.6 Name an ore of Iron.
- Q.7 Give an example of Thermoplastic.
- Q.8 Nickel silver contains \_\_\_\_\_ % of silver.
- Q.9 Brass is an alloy of \_\_\_\_\_
- Q.10 Thermoplastic have \_\_\_\_\_ structure.