

## **SECTION-B**

**Note:** Short answer type questions. Attempt any six questions out of Eight questions.  $(6 \times 5 = 30)$

- Q.11 Define ferrous materials and Non-ferrous materials Give examples in each case
- Q.12 Write three properties and two uses of thermocole.
- Q.13 Give the classification of steel according to carbon content.
- Q.14 Write down the properties and uses of Grey cast Iron
- Q.15 Enlist the general specifications of pipe fitting.
- Q.16 Enlist the properties of Asbestos as filler material.
- Q.17 Differentiate between Tempering & Annealing.
- Q.18 Write down the uses of Plastics in day to day life.

## **SECTION-C**

**Note:** Long answer type questions. Attempt any one question out of two questions.  $(10 \times 1 = 10)$

- Q.19 (i) Write down any five mechanical properties of materials.  
(ii) Write down the characteristics of a good point and enamel. Enlist its two uses also.
- Q.20 Explain Iron-carban equilibrium diagram and Label its various phases.

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Roll No. ....

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DVOC (Level 4 )

Sem 2nd / (Auto Servicing , PT, AMT)

Subject : Material Sciences & Materials

Time : 2 Hrs.

M.M. : 50

## **SECTION-A**

**Note:** Very short answer type questions . Attempt all ten question  $(10 \times 1 = 10)$

- Q.1 Define an Alloy.
- Q.2 Name one ore of Iron.
- Q.3 Write a name of non-metal.
- Q.4 Define Metallurgy
- Q.5 Copper is \_\_\_\_\_ (Ferrous / Non Ferrous) Metal.
- Q.6 Name one enamel.
- Q.7 Write one property of clay wool.
- Q.8 Name any one Alloy Steel.
- Q.9 In Iron-carban diagram, temperature line above the alloy remains in liquid state is called \_\_\_\_\_.
- Q.10 Name one thermoplastic material.