

## SECTION-B

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

- Q.11 Define thermosetting and Thermoplastics. Give an example of each.
- Q.12 Write down the properties and used of Stainless Steel.
- Q.13 Describe BCC and FCC crystal structure.
- Q.14 Write down the use of Varnish.
- Q.15 Write down the thermal properties of Metals.
- Q.16 Enlist the effect of alloying a metal with chromium and Silicon.
- Q.17 Write down the properties and uses of Glass Wool.
- Q.18 Explain the purpose of heat treatment.

## SECTION-C

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

- Q.19 Name the various types of cast Iron. Write down their uses and Properties\_\_\_\_\_.
- Q.20 Write short notes on :-
- a) Tempering
  - b) Annealing

No. of Printed Pages : 4

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## DVOC

**Subject : Material Science and Materials**

Time : 2 Hrs.

M.M. : 50

## SECTION-A

**Note:** Very short questions. Attempt all ten questions. (10x1=10)

- Q.1 Name a non-Metal.
- Q.2 There are\_\_\_\_\_ atoms in the unit cell of F.C.C structure.
- Q.3 Cast Iron has a property of\_\_\_\_\_.
- Q.4 Name one point defect.
- Q.5 Vanadium when added to steel\_\_\_\_\_.
- Q.6 Give an example of Alloy.
- Q.7 High Speed Steel should have\_\_\_\_\_.
- Q.8 PVC stands for\_\_\_\_\_.
- Q.9 Nylon is a\_\_\_\_\_.
- Q.10 Full form of R.C.C is\_\_\_\_\_.

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