

No. of Printed Pages : 2

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**DVOC (Level 4)**

**1st Sem**

**Subject : Engineering Materials**

Time : 2 Hrs.

M.M. : 50

### **SECTION-A**

**Note:** Very short questions. Attempt all ten questions.

(10x1=10)

- Q.1 Name any two insulating materials.
- Q.2 Write tow uses of Batten Board.
- Q.3 Name any two Aluminium based alloys.
- Q.4 Define resistance.
- Q.5 Tell any the composition of White metal.
- Q.6 Write two uses of Silver.
- Q.7 What are two uses of Jute?
- Q.8 Write two properties of Cotton.
- Q.9 Tell any two uses of lime.
- Q.10 Name any two alloys of Copper.

### **SECTION-B**

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

- Q.11 Differentiate between thermo-setting and thermoplastic materials.

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Q.12 Explain three mechanical properties and uses of Aluminium.

Q.13 Explain any four defects found in timber.

Q.14 Explain three physical properties and uses of Tin.

Q.15 Explain three properties and three uses of Mica.

Q.16 Explain any five characteristics of a good conducting material.

Q.17 Explain five applications of Abrasives.

Q.18 Explain three mechanical properties and uses of Copper.

### **SECTION-C**

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

- Q.19 Explain characteristics and applications of Semi-Conductor materials in detail.
- Q.20 Explain Physical, Mechanical & Electrical properties of Zinc metal in detail. Write its five uses also.