

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 two 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.

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