

SECTION-B

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

- Q.11 Define Glass and its properties.
- Q.12 Explain bearing capacity of soil and its use.
- Q.13 Explain characteristics off semiconducting and conducting materials.
- Q.14 Explain properties and applications of Ceramic materials.
- Q.15 Explain characteristics and uses of Asbestos.
- Q.16 Write a note on White metal.
- Q.17 Explain properties and applications of silk and jute.
- Q.18 Explain properties of Hard Board and Battern Board.

SECTION-C

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

- Q.19 Explain foundation of heavy, light and vibrating machines.
- Q.20 Explain properties and uses of Brick, lime and cement.

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**Level 5 / 1st. Sem. / DVOC
Ref. & Air Cond.
Subject : Engineering Material**

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions. All questions are compulsory $(10 \times 1 = 10)$

- Q.1 What are thermoplastic materials?
- Q.2 What are Insulating materials?
- Q.3 Name any four Non ferrous materials.
- Q.4 Write two physical properties of Copper.
- Q.5 Give two examples of semiconductor materials.
- Q.6 What is conductivity?
- Q.7 Name alloys of Aluminium.
- Q.8 What is celluloid?
- Q.9 List two properties of plastic.
- Q.10 Give two applications of semiconductors.