

SECTION-B

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

- Q.11 Explain S.I system of Fundamental Units.
- Q.12 Explain construction and working of viscometer.
- Q.13 Explain free and forced vibrations.
- Q.14 Write note on thermoelectric effect.
- Q.15 Explain Molecular Theory of surface Tension.
- Q.16 What is principle and working of Epidiascope.
- Q.17 Define Refraction of Light. Explain laws of Refraction.
- Q.18 Define ultrasonic waves. Explain any one application of ultrasonic waves in industry

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 Explain Principle, Construction and working of Overhead projector.
- Q.20 a) Convert 10 joules into Ergs.
b) Write note on viscosity.

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Roll No.

DVOC / Level3, Sem I
(Ref & Air Cond., Medical Imaging Tech., Auto Servicing,
ITM, PT, SD, AMT, FP, EMS))

Subject : Applied Physics

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer question. Attempt all ten question. (10x1=10)

- Q.1 Force per unit length is called _____.
- Q.2 Write name of two Derived units.
- Q.3 Give two examples of Derived quantity.
- Q.4 SI unit of Electric current is _____.
- Q.5 Write condition of resonance.
- Q.6 Very high frequency sound waves are called _____.
- Q.7 Write full form of C.G.S system.
- Q.8 Write dimensional formula of force.
- Q.9 In Free vibrations body vibrates with _____ Frequency.
- Q.10 Average kinetic energy of all molecules is called _____.