

SECTION-B

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

Q.11 Enlist the uses of dimension. Explain any one.

Q.12 Convert 20 Newton into dynes.

Q.13 Define Surface Tension and explain its molecular theory

Q.14 State the laws of Radiation

Q.15 Briefly describe the nature of light

Q.16 Enlist the effects of vibrations on buildings, bridges etc.

Q.17 Explain in brief the concept of capillary action.

Q.18 Write down the uses of pyrometer

SECTION-C

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

Q.19 Explain in detail the principle, working and uses of Platinum Resistance thermometer.

Q.20 Write short notes on:-

(a) Overhead Projector

(b) Viscometer

No. of Printed Pages : 2

Roll No.

188413

Level - 3, 1st Sem./ DVOC (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 questions. Attempt all ten questions. (10x1=10)

Q.1 S.I unit of force _____

Q.2 CGS system stands for _____

Q.3 Name any one mode of heat transfer

Q.4 Give a property of radiation.

Q.5 Dimensional formula of force is _____

Q.6 Frequency of ultrasonic wave is more than _____

Q.7 Define Heat

Q.8 Ultrasonic wave means _____

Q.9 Define Surface tension

Q.10 Give an use of Epidiascope

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