

## 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

188413

Roll No. ....

**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

(220)

(2)

188413

(1)

188413

## 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

188413

Roll No. ....

**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

(220)

(2)

188413

(1)

188413