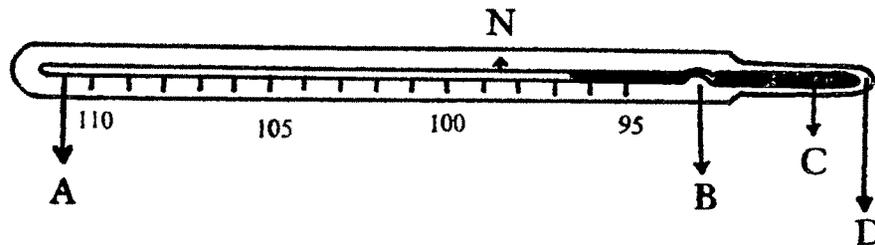


APPENDIX B**Criterion Test****A. Fill in the blanks**

- 1 The instrument used to measure the temperature is called _____.
- 2 The heat level of a substance is scientifically called _____.
- 3 Minus twelve degrees centigrade is written as _____.
- 4 Hundred degrees Fahrenheit is written as _____.
- 5 Minus twenty-one degrees Fahrenheit is written as _____.
- 6 L. F. P. means _____.
- 7 The Symbol ° means _____.
- 8 °F means _____.
- 9 C means _____.



- 10 The thermometer shown in the figure is called _____ thermometer.
- 11 In the above figure part B shows the _____.
- 12 In the above figure value marked at N is _____ °F.
- 13 Liquid used in the above thermometer is _____.

B. Select one correct answer from the four answers given in the following items. Underline the correct answer

- 14 The clinical thermometer is used to measure the temperature of
 - (a) a substance
 - (b) the human body
 - (c) the day
 - (d) the liquid

- 15 The 'U' shaped thermometer is known as the
- (a) maximum thermometer
 - (b) minimum thermometer
 - (c) Six's thermometer
 - (d) clinical thermometer
- 16 When the temperature rises, the mercury level of the Centigrade thermometer
- (a) rises
 - (b) falls
 - (c) remains steady
 - (d) rises and then falls
- 17 Which one is a special part of the maximum and minimum thermometers ?
- (a) scale
 - (b) constriction
 - (c) hair spring
 - (d) bulb
- 18 Which one is a special part of the maximum and minimum thermometers ?
- (a) index
 - (b) mercury
 - (c) glass tube
 - (d) vacuum
- 19 We use mercury in the thermometers because
- (a) mercury cannot be seen through glass
 - (b) mercury is sensitive to even small changes in temperature
 - (c) mercury wets the glass
 - (d) mercury contracts and expands very slowly
- 20 It is easy to record the level of mercury because
- (a) mercury is a shining solid
 - (b) mercury wets the glass
 - (c) mercury is a shining liquid
 - (d) mercury expands too much

21 L. F. P. and U. F. P. are marked when level of mercury is

- (a) steady
- (b) changing
- (c) rising
- (d) falling

C. Write the appropriate word in the blank from the words given on the right hand side.

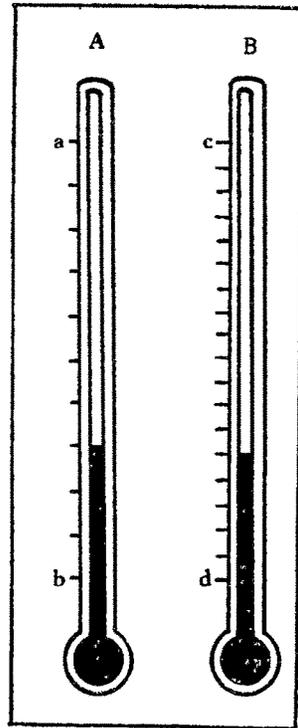
- 22 The thermometer will burst at higher temperatures if there is no _____ above the mercury in the thermometer.
- 23 The steel index is prevented from moving because of the _____.
- 24 The back flow of mercury in the clinical thermometer is prevented by the _____ in the stem.
- 25 The index in the maximum thermometer is reset using a small _____.
- 26 The temperature of the day is recorded by the _____.
- 27 To measure the temperature of water, the _____ of the thermometer is immersed in it.
- 28 The normal body temperature (98.4°F) is shown in the clinical thermometer by the _____.

Words

magnet
index
bulb
hair-spring
arrow
constriction
mercury
vacuum

- D. In the figure the two types of thermometers are shown. Figure 'A' shows the thermometer that contains 100 main divisions.

Observe the figure carefully and complete the following sentences :

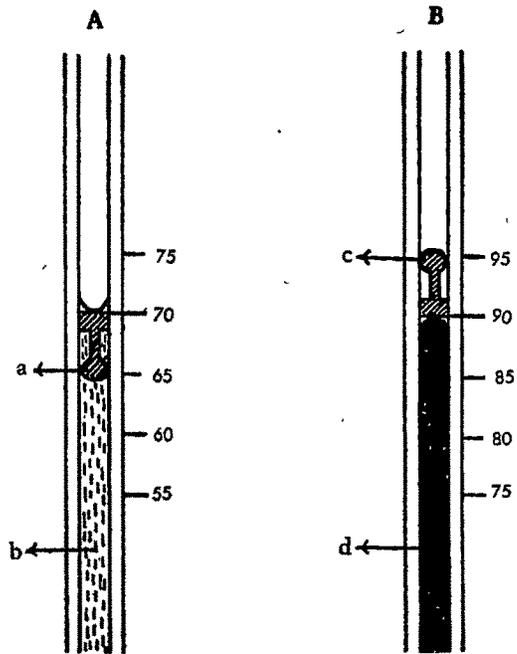


- 29 The figure A shows the _____ (Centigrade / Fahrenheit) thermometer.
- 30 Value marked at ' a ' is _____ ($100^{\circ}\text{C}/212^{\circ}\text{F}$).
- 31 Value marked at ' b ' is _____ ($0^{\circ}\text{C}/32^{\circ}\text{C}$).
- 32 Value marked at ' c ' is _____ ($100^{\circ} / 212^{\circ}\text{F}$).
- 33 Value marked at ' d ' is _____ ($0^{\circ} / 32^{\circ}\text{F}$).
- 34 The point marked on the upper end is called _____ (U. F. P. / L. F. P.).

E. In the figure the positions of the steel indices of maximum thermometer and minimum thermometer are shown.

In the figure A the liquid used is alcohol.

Observe the figures carefully and complete the following sentences.



- 35 The figure ' A ' shows the _____ (maximum / minimum) thermometer.
- 36 In the maximum thermometer the index is _____ (above / below) the level of mercury.
- 37 Alcohol is used in the _____ (maximum / minimum) thermometer.
- 38 90°F indicates the _____ (maximum / minimum) temperature of the day.
- 39 Minimum temperature of the day is _____ (65 ° F / 70 ° F.)
- 40 The index moves when mercury _____ (expands / contracts).

Name _____ School _____

Sex _____ Age _____ years _____ months