1. Metallic tapes are made with
   a. Varnished linen
   b. Varnished line with steel wires
   c. Steel
   d. Invar
      Ans; B

2. The line to be measured accurately in a chain survey is
   a. Main line
   b. Base line
   c. Check line
   d. Detail line
      Ans: B

3. In chain survey a triangle with any angle less than ____ is considered as ill conditioned triangle.
   a. 25°
   b. 30°
   c. 35°
   d. 40°
      Ans: B

4. Which one of the following is not used in setting perpendicular
   a. Line ranges
   b. Cross staff
   c. Optical square
   d. Prism square
      Ans: A

5. The horizontal angle between the true meridian and magnetic meridian is known as
   a. Magnetic dip
   b. Declination
   c. Local attraction
   d. Magnetic bearing
      Ans: B

6. In whole circle bearing system, the back bearing of N 20 W line is
   a. 160°
   b. 200°
   c. 340°
   d. 20°
      Ans: A

7. Which one of the following is not an accessory of plane table?
   a. Plumbing fork
   b. Trough compass
   c. Telescopic alidade
   d. Prismatic compass
      Ans: D

8. Which one of the following is not a method of plane tabling?
   a. Orientation

b. Radiation
c. Intersection
d. Resection

    Ans: A

9. Three point problem in plane tabling may be solved by
   a. Tracing paper method
   b. Graphical method
   c. Trial and error method
   d. All of the above

       Ans: D

10. Trial and error method of solving three point problems in plane tabling is also known as
    a. Tracing paper method
    b. Bessel's method
    c. Lehman's method
    d. All the above

        Ans; C