**Fill in the Blanks**

1. Crowning of a pulley is done to

a. Prevent the slipping of a belt             b. To increase the tension of a belt

c. To increase the angle of contact         d. None of the above

1. The angle of contact (θ) for crossed belt drive is given by

a. 180-2α          b. 180+2α         c. 180-α            d. 180+α

1. The angle of contact (θ) for open belt drive is given by

a. 180-2α          b. 180+2α         c. 180-α            d. 180+α

1. Which flat belt drive system has two pulleys mounted on driven shaft and one pulley on driving shaft?

a. Multiple belt drive b. Cone pulley drive

c. Fast and loose pulley drive d. None of the above

1. In which power transmitting drive polygon effect is observed?

a. Belt drive b. Chain drive c. Both a. and b. d. None of the above

1. Which gears are used to connect two intersecting shaft axes?

a. Crossed helical gear b. Worm and worm wheel c. Bevel gears d. All of the above

1. The size of gear is usually specified by

a) pressure angle b) pitch circle diameter c) circular pitch d) diametral pitch

1. Which gear is used if the axes of two shafts are neither intersecting nor parallel?

a. Hypoid gears b. Worm gears c. Both a and b d. None of the above

1. The gear used to convert rotary motion into translating motion is

a. Worm and wheel b. Crown gear c. Rack and pinion d. Spiral Bevel gear

1. The point of contact of two pitch circles of mating gears is called

a. Pressure point b. Pitch point c. Module d. Contact point

1. The circular pitch of a gear is given by

a. Πd/t b. Πd/2t c. 2Πd/t d. Πd/3t

1. The module of a gear is given by

a. d/t b. 2d/t c.d/2t d. d/3t

1. The function of a crosshead in steam engine is to guide the motion of.......

    A.Piston rod  B.Valve rod    C.Connecting rod    D.D-slide valve

1. The cylinder of a steam engine is usually......

   A.Exposed to atmosphere B.Properly lagged  C.Steam jacketed  D.Water cooled

1. When all the components of the machine or any other object assembled together then the drawing of the unite is called assembly drawing

a. Assembly Drawing b. Detailed Drawing c. Structural Drawing d. Basic Drawing

1. \_\_\_\_\_\_ Drawing shows how the part to be assembly with their basic proportions and dimension.

a. Layout Assembly Drawing b. Installation Drawing c. General Assembly d. Working Assembly

1. \_\_\_\_\_should not be present in assembly drawing when proper section is done.

a. Dotted lines b. Thick Line c. Thin Line d. Zig Zag Lines

1. The numbers marked on the drawing identifies every component of the machine on assembly drawing known as\_\_\_\_\_\_\_

a. Dimensions b. Sectioning c. Bill of Materials d. Scale

1. Hidden parts of assembly drawing shown by

a. Dotted lines b. Thick Line c. Thin Line d. Zig Zag Lines

1. \_\_\_\_\_\_\_\_\_\_ Drawings, showing the exterior shape.

a. Outline assembly b. Assembly Drawing c. Detailed Drawing d. Structural Drawing