ANURAG GROUP OF INSTITUTIONS
Autonomous
School of Engineering
Department of Mechanical Engineering
II-B.Tech -I- Semester (2018-19)
ASSIGNMENT-II
Subject: KOM

1. Give the classification of cams and followers with neat figures?

2. a) Write the advantages of involute profile over cycloidal profile of teeth?

   b) What do you understand by the term interference as applied to gears?

3. The number of teeth on each of the two equal spur gears in mesh is 30. The teeth have 20º in volute profile and the module is 8 mm. if arc of contact is 1.3125 times the circular pitch, find the addendum. (Level 3) 5M

4. What is a gear train and give its classification with neat sketch?

5. A) Discuss briefly the various types of belts used for the transmission pf power

   (OR)

   B) What do you understand by gear train? Discuss the various types of gear trains.

6. A) Obtain the expression for the length of a belt in 1 an open belt drive an 2 cross belt.

   (OR)

   B) Explain briefly the difference between simple and compound gear trains.