

### UNIT III BEVEL AND WORM GEARS

- 1 Under what situation bevel gears are used
- 2 Write a short note on Crown gear and Miter gear.
- 3 Mention two characteristics of hypoid gear
- 4 How bevel gears are manufactures. Summarize zero bevel gear ST
- 5 Define back cone radius for a bevel gear
- 6 Define the following term i) Cone distance ii) Face angle
- 7 Show when do you prefer worm and worm wheel drive?
- 8 List the advantages of and disadvantages of worm gear drive
- 9 Illustrate reference angle. How is related to speed ratio of bevel gear?
- 10 State the difference between angular gear and mitler gear.
- 11 Describe in which gear drive self-locking is available.
- 12 Generalize what is irreversibility in worm gears and how is it
- 13 Why is the efficiency of worm gear drive comparatively low?
- 14 List the difference between bevel gear formation and other types of gears.
- 15 Summarize the helix angle of worm.
- 16 Name the contact occurred between the worm and wheel. How this does differs from other gears?
- 17 Differentiate between the spiral bevel gears and hypoid gears.
- 18 List the materials used for the manufacture of worm and worm and wheel. Justify.
- 19 Explain why worm is made of harder material than worm wheel.
- 20 Explain " crossed helical gear drive is not used for power transmission"