**BBDNITM**

**MECHANICAL DEPARTMENT**

**SESSION(2018-19)**

**Automobile Engineering [NME-702]**

**ASSIGNMENT SHEET NO.2**

Q.1 Describe single plate dry clutch with the help of neat sketch.

Q.2 Describe cone clutch with the help of suitable diagram.

Q.3 What is the function of universal joint? Describe with neat sketch hook’s universal joint?

Q.4 What do you understand by final drive? Describe the working of gears used in final drive.

Q.5 Describe with neat sketch working of a differential.

Q.6 What do you mean by steering geometry?

Q.7 Explain the following terms:

(a) Reversibility (b) Steering ratio (c) Caster angle (d) Toe in

(e) Toe out (f) Camber angle

Q8 What do you mean by overdrive explain briefly?

Q. 9 Explain differential gear mechanism of rear axle.

Q.10 Explain the Ackerman mechanism briefly with the suitable diagram.