

Seat No: _____

Enrollment No: _____

PARUL UNIVERSITY
FACULTY OF ENGINEERING & TECHNOLOGY
Diploma Engineering, Mid semester Examination

Semester: 3rd

Subject Code: (03612203)

Subject Name: Automobile Transmission & Mechanism

Date: (08/08/2022)

Time: (1hr: 30min)

Total Marks: 40

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

Q.1 Answer any six out of Ten. (2 Marks Each) (12)

1. Write down the function of Frame.
2. Is there any clutch assembly used in Activa. Yes or no Justify your answer.
3. Differentiate between chassis and frame
4. Name the different components of clutch assembly
5. Name the driving member, driven member and operating member of clutch assembly.
5. Write the main component of chassis.
7. Explain the necessity of clutch.
8. On which principle the clutch works?
9. Write full form of AWD, FWD, RWD
10. Draw the power flow layout of front engine rear wheel drive

Q.2 A) Write down the classification of clutch (03)

OR

A) Write down the advantages of Fluid coupling (03)

B) Explain centrifugal clutch with neat sketch. (03)

OR

B) Draw the neat sketch of sliding mesh gear box (03)

C) Write four vehicle name in which centrifugal clutch used. (04)

OR

C) Explain construction and working of fluid flywheel or fluid coupling (04)

D) Write down the advantages and disadvantages of AWD. (04)

Q.3 A) Write down the advantages and disadvantages of front engine front wheel drive. (03)

OR

A) Write down the advantages of multi plate clutch over single plate clutch. (03)

B) Explain single plate clutch with neat sketch. (03)

OR

B) Explain multi plate clutch with neat sketch (03)

C) What is chassis? (04)

OR

C) State the good qualities of good clutch. (04)

D) Write down the difference between single plate clutch and multi plate clutch (04)

