

SSIT POLYTECHNIC, KALAKAD, MAYURBHANJ
6TH SEMESTER INTERNAL EXAMINATION 2023-2024 (SUMMER)

SUB: -AE&HV

BRANCH: -MECHANICAL/MECHANICAL (I.I)

FULLMARK-20

TIME - 1 HOUR

1. Answer all Question Given Below :(Any 5) (2x5= 10)

- (a) What is an Automobile?
- (b) What is an Automobile Chassis.
- (c) What is a Clutch? What are the features of a good-quality Clutch?
- (d) Write the functions of a propeller shaft.
- (e) What is the purpose of universal joint in a transmission system?
- (f) What are the functions of a master cylinder in a hydraulic brake system?
- (g) Write the advantages of a disc brake over drum brake.

2. Answer all question given below :(Any2) (5x2=10)

- (a) Describe the construction and working of constant mesh gear box.
- (b) Explain working of hydraulic brakes. Write its advantages and disadvantages
- (c) Explain working of multi plate clutch with sketch.