



R18 Regulation *Subject code: 2P5CD*
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Autonomous, Accredited by NAAC with 'A+' Grade)

B.Tech V Semester Supplementary Examinations, July 2024

AUTOMOBILE ENGINEERING
(ME)

Maximum Marks: 70

Date:26.07.2024 Duration: 3 hours

- Note: 1.This question paper contains two parts A and B.
2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20 Marks)		CO	Bloom Tx
1	What is the function of fuel injection systems.	1	L1
2	What is mean by IC Engines	1	L1
3	Define cooling systems	2	L1
4	Name the types of ignition system	2	L1
5	Define Chassis	3	L1
6	Define MPFI system	3	L1
7	Name the types of braking systems	4	L1
8	What is meant by Toe-out in steering system	4	L1
9	Write the disadvantages of hydrogen as fuel?	5	L1
10	What are the merits of biomass?	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)			
11	Briefly explain different types of carburettors. [10M]	1	L2
OR			
12	Explain solex cuburettor with neat sketch. [10M]	1	L2
13	Briefly explain fuel injection systems with neat sketch. [10M]	2	L2
OR			
14	Explain the requirements of diesel injection systems with neat sketch. [10M]	2	L2
15	Briefly explain any one type of ignition system with neat sketch. [10M]	3	L2
OR			
16	Describe in detail about single plate clutch with a neat diagram. [10M]	3	L2
17	Explain Davis steering mechanism with neat sketch. [10M]	4	L2
OR			
18	Explain about Ackermann steering mechanism with neat sketch. [10M]	4	L2
19	Explain few impotent pollutions control techniques in IC engines. [10M]	5	L2
OR			
20	Write different types of alternative fuels. [10M]	5	L2

