



Roll No:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

BTECH**(SEM VII) THEORY EXAMINATION 2023-24****TROUBLE SHOOTING, SERVICE & MAINTENANCE REPAIR****TIME: 3 HRS****M.MARKS: 100**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A**1. Attempt all questions in brief.**

Q no.	Question	Marks	CO
a.	Explain the situations where Condition Monitoring is more suitable	2	1
b.	Define Trip sheets?	2	1
c.	What are the different types of Maintenance cost?	2	1
d.	Define Lubrication oil topping up?	2	1
e.	Define FIP adjustment and testing?	2	1
f.	How Emergency Maintenance is different than general Maintenance Strategies?	2	1
g.	Define wiring harness testing?	2	1
h.	How many volts does each of the cells contribute towards the output voltage of a fully charged battery?	2	1
i.	Define fuel feed System?	2	1
j.	Define window glass actuation?	2	1

SECTION B**2. Attempt any three of the following:**

Q no.	Question	Marks	CO
a.	"Engine tuning is life extending activity". Justify the statement with suitable example.	10	2
b.	Write short notes on (a) Overcharging of battery (b) Ignition timing light	10	2
c.	Write down the method of setting ignition timing with the help of ignition timing light	10	2
d.	Define the capacitor discharge ignition testing method and procedure?	10	2
e.	Define Minor body panel beating, tinkering, shouldering?	10	2

SECTION C**3. Attempt any one part of the following:**

Q no.	Question	Marks	CO
a.	What is servicing? Explain the types of servicing.	10	2
b.	Define the various types of service station?	10	2

4. Attempt any one part of the following:

Q no.	Question	Marks	CO
a.	Define reconditioning and repairing methods of engine components?	10	3
b.	What do you mean by the term cleaning? Also explain various techniques of Cleaning and Inspection.	10	3



PAPER ID-310933

Printed Page: 2 of 2

Subject Code: KAU074

Roll No:

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

BTECH

(SEM VII) THEORY EXAMINATION 2023-24

TROUBLE SHOOTING, SERVICE & MAINTENANCE REPAIR

TIME: 3 HRS

M.MARKS: 100

5. Attempt any *one* part of the following:

Q no.	Question	Marks	CO
a.	Write various objectives of transmission. Also discuss various troubles and their maintenance associated with the transmission.	10	4
b.	Why Tire Rotation is required in automobile? Show all possible arrangement of Tire Rotation with neat sketch.	10	4

6. Attempt any *one* part of the following:

Q no.	Question	Marks	CO
a.	What is the need to do regular Electrical Maintenance of a vehicle? What are the various troubles of storage battery used in a vehicle?	10	5
b.	Define Ignition system? Differentiate between coil ignition and transistor assisted ignition?	10	5

7. Attempt any *one* part of the following:

Q no.	Question	Marks	CO
a.	What do you mean by corrosion? Enlist different types of corrosion. Also explain various methods of anticorrosion treatment.	10	6
b.	Suggest various steps for Regular Body Maintenance. Also discuss the construction and working of window winding mechanism with the help of a neat sketch.	10	6