

DATE: 18/12/2020

TIME: 8.30-11.30 AM

INSTRUCTIONS

ANSWER ALL THE QUESTIONS

1.	a)	State the function of water as a coolant in the cooling of a running engine	(3 marks)
	b)	With the aid of a Sketch, explain Thermo-siphon cooling system	(17 marks)
2.	a)	State the three function of transmission system in a vehicle.	(6 marks)
	b)	With the aid of a labeled Sketch, explain the operation of a dry plate clutch.	(14 marks)
3.	a)	State the purpose of braking system in a vehicle	(3 marks)
	b)	List two methods of operating the Blake shoes	(2 marks)
	c)	With the aid of a labeled diagram, explain the operation of hydraulic Blake system	(15 marks)
4.	a)	State the two functions of ignition system	(2 marks)
	b)	With aid of a labeled sketch explain the operation of a coil ignition system	(18 marks)
5.	a)	State two function of lubrication system.	(2 marks)
	b)	With the aid of a labeled sketch, explain the operation of a lubrication system	(18 marks)