

TIME: 8.30-10.30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (30 MARKS)

a)	Illustrate three engine configurations	(15
	marks)	
b)	Distinguish between a diesel and a petrol engine	(15
	marks)	

QUESTION TWO (20 MARKS)

Using a well labelled diagram explain the otto cycle

QUESTION THREE (20 MARKS)

using a well labelled diagram explain the construction and operation of the two stroke cycle petrol engine

QUESTION FOUR (20 MARKS)

A vehicle has been brought to motor vehicle workshop with a leaking cylinder head gasket, explain the procedure you will follow to replace the gasket

QUESTION FOUR (20 MARKS)

Explain the method of carrying out the following inspections-:

Examination Irregularity is punishable by expulsion

- a) Warped or bend cylinder head
- b) Bend camshaft