



Bani Swef Technological University

Egyptian-Korean Faculty of Technological Industry and Energy

Program of Autotronics



First Year

Time: 2Hr.

Mid-term Exam

Exam: Automotive Engines (1)

Name:

ID:

Answer All Questions (Four Questions)

Q1:- choose the correct answer

(1)is a device which transforms the chemical energy of a fuel into thermal energy and uses this energy to produce mechanical work.			
(a) A heat engine	(b)crank shaft	(c) valves	(d)None of them
(2)....., the working medium, the steam, is generated in a boiler, located outside the engine and allowed in to the cylinder to operate the piston to do mechanical work.			
(a) External combustion engine	(b)piston	(c)connecting rod	(d)None of them
(3)is a component of engine used to transfer force from expanding gas in the cylinder to the crankshaft via a connecting rod			
(a) A piston	(b) External combustion engine	(c) crank shaft	(d)none of them
(4).....converts the reciprocating displacement of the piston to a rotary motion.			
(a) Crankshaft	(b)piston	(c)flywheel	(d)none of them
(5)is used transmits motion from crankshaft to valves through camshaft cams.			
(a) cams haft	(b)flywheel	(c)piston	(d)none of them
(6)is used to open and close intake and exhaust holes.			
(a) valves	(b)cam shaft	(c)piston	(d)none of them

Q2: write short notes about

1) Engine main components (cylinder block , cylinder head, crank case, piston , connecting rod and crank shaft)

2) Lubrication system (function, types and components)