University of Béjaia Department of Technology Level : 1st Year LMD Year : 2018/2019 Duration : 1H30

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First na	me	•				 		•	4	4	4							5	
Section	/G	rou	p	•	• •	•	•	•	•		•	•	•	•	•	4		•	•

#### First Term English Exam

Gasoline engine, any of a class of internal-combustion engines that generate power by burning a volatile liquid fuel with ignition initiated by an electric spark. Gasoline engines can be built to meet the requirements of practically any conceivable power-plant application, the most important being passenger automobiles, small trucks and buses, general aviation aircraft, outboard and small inboard marine units, moderate-sized stationary pumping, lighting plants, machine tools, and power tools. Four-stroke gasoline engines power the vast majority of automobiles, light trucks, medium-to-large motorcycles, and lawn mowers. Two-stroke gasoline engines are less common, but they are used for small outboard marine engines and in many handheld landscaping tools such as chain saws, hedge trimmers, and leaf blowers.

Gasoline engines can be grouped into a number of types depending on several criteria, including their application, method of fuel management, ignition, piston-and-cylinder or rotor arrangement, strokes per cycle, cooling system, and valve type and location. In this section they are described within the context of two basic engine types: piston-and-cylinder engines and rotary engines. In a piston-and-cylinder engine the pressure produced by combustion of gasoline creates a force on the head of a piston that moves the length of the cylinder in a reciprocating, or back-and-forth, motion. This force drives the piston away from the head of the cylinder and performs work. The rotary engine, also called the Wankel engine, does not have conventional cylinders fitted with reciprocating pistons. Instead, the gas pressure acts on the surfaces of a rotor, causing the rotor to turn and thus perform work.

8	(5pts) and you bridge next year.	ot)
<ul><li>2- Answer the following questions :</li><li>a- What is gasoline engine ?</li></ul>	one found my wallet. 2) lectric light was invented by Edisor	pts)
???	e do they meke these video recorde	d. When
b- What are the different criteria in w	e following sentences by putting e is order to form a coherent par	iccorder th ach sentene
<ul> <li>c- Give synonyms to the following wor a- Engine =</li> <li>d- Give opposites to the following wor a- Internal= /=</li> </ul>	rds : b- Performs =	lpt) lpt)
II- Mastery of Language : (13)		d, Aroun

2- Fill	in the words in brackets as adjective or adverb:		
b.	The bus driver was (serious) injured This hamburger tastes		
3-Con	plete the sentences with the simple past tense:	(2 nts)	
a. b. c.	They (watch)TV last night. My dad (catch)a cold when he (be) Who (you /meet)	in Canada. yesterday ?	
4-Ask	questions to the underlined words:	(3pts)	
a.	They do their homework <u>at night.</u>		
b.	She felt better after she took a nap.	and rotary engines, in a pist gasoline creates a force on f	
10 <b>C</b> .20	The car is across the street from the house.	reciprocating, or back, and, the cylinder and performs w	
	ented with reciprocuting <b>pistons. Instead, the gas pressure</b>	have conventional cylinders	
5-Re-w	rite these sentences in the passive form:		
a.	They will build a new bridge next year.		
b.	Someone found my wallet.	2. Answer the followi	
c.		a- What is gasoline et	
d.	Where do they make these video recorders?		
	Written Expression :	(2.5pts)	

Reorder the following sentences by putting the right number between brackets for each sentence in order to form a coherent paragraph.

- a. Unfortunately, this was not enough energy to power the new automobile that would soon be arriving. ( )
- b. It was then the government began to take note to regulate the use of gasoline for protection of the environment. ( )
- c. In the early 20th century gasoline was being produced by oil companies. ( )
- d. Around 1910 laws were passed that prohibited gasoline from being stored. ( ).
- e. Perhaps the car industries were growing so rapidly. ( )

Good luck

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# 3- Complete the sentences maxameter of the sentences

- -My dad caught a cold when the was in Canada
  - -Who did you meet yesterday?

#### I-**Reading Comprehension :** 5pts

- Ask questions to the underlined words:
- 1 Give a suitable title to the text: Gasoline engine.dalpts showen of high by your
  - When do they do their homework?
    - She felt better after sheatq 2 x hap
- 2- Answer the following questions:
- How did she feel after she took a nap?
- a- What is gasoline engine?
- It is any of a class of internal-combustion engines that generate power by burning a volatile liquid fuel with ignition initiated by an electric spark.
- b- What are the different criteria in which gasoline engine can be gathered?

Gasoline engine can be gathered into a number of types depending on several criteria. including their application, method of fuel management, ignition, piston- and- cylinder or

rotor arrangement, strokes per cycle, cooling system, and valve type and location.

3- Give synonyms to the following words:

Edison invented the cleft x 12.0t.

C-1

A - 2

- a- Engine = machine, device b-performs = carries out/ accomplishes
- 4- Give opposites to the following word : 0.5 x 1pt
  - b- grouped =/= divide, disperse a- Internal=/= external

## **II- mastery of language:**

## 1- Transcribe the following words: 0.5 x 2pts

- Gasoline : / gæsəli:n /
- Can : | kən | -
- Leaf: | li:f|
- Conventional : / kənven[ənl /

2- Fill in the words in brackets as adjective or adverb: 0.5 x 1.5pt

1. The bus driven was seriously (serious) injured.

2. This hamburger tastes awful (awful)

3. Maria slowly (slow) opened her present.

13pts

- 3- Complete the sentences with the simple past tense:  $0.5 \times 2pts$
- They watched TV last night.
- -Bob came home from school late.
- -My dad caught a cold when the was in Canada.
- -Who did you meet yesterday?

- 1 x 3pts. Ask questions to the underlined words: 4-
- 1 Give a suitable title to the text: Gasoline enginething a suitable title to the text: Gasoline enginething a suitable title to the text Casoline enginething a suitable to the
- When do they do their homework?
- She felt better after she took a nap.
- How did she feel after she took a nap?
- a- What is gasoline engine? The car is across the street from the house.
- It is any of a class of internal-combustion engines that genera?rap and ai anew

5- Re – write these sentences in the passive form: 1 x 4pts They will build a new bridge next year.

- A new bridge will be built by them next year.
- including their application, method of fuel management, itselfaw ym bnuof enoemos 10 1
- totor arrangement, strokes per cycle, cooling sysanoaway d buod away My
- The electric light was invented by Edison.
- 3- Give synonyms to the following words: Edison invented the electric light.
- Where do they make these video recorders?
- Where are these video recorders made?
  - 0.5 x 2.5 pts.

**III- Written Expression:** 

II- mastery of language:

- C-1
- A-2
- D-3
- E-4
- B-5