

Correct Answers

PART I (5 marks)

Fill in the gaps in the sentences, the following words are given: pattern, series, waves, daily, proportion,

- 1- Bats use a sonar system to navigate, that is to say, that they emit sound waves.
- 2- Rydell and Arlettaz concluded that the feeding of pattern "Tadarida teniotis" would be different.
- 3- Rydell and Arlettaz found the proportion of large insects was significantly higher.
- 4- Lepidoptera have undergone a series of genetic mutations.
- 5- Rydell and Arlettaz made a daily examination of samples of bat droppings.

PART II (5 marks)

❖ Complete the columns by giving the adjective, noun and the verb:

adjective	noun	verb
moving	<u>movement</u> (0,1)	<u>move</u> (0,5)
<u>strong</u> (0,1)	<u>strength</u> (0,1)	Strengthen
<u>heavy</u> (0,1)	weight	<u>weigh</u> (0,5)

❖ Make sentences using the following words:

- 1 ➤ Amount/ double/ mitosis/ cell.
Mitosis doubles cell amount.
- 1 ❖ Give the simplest definition of Escherichia coli:
Escherichia coli is a bacterium/a microscopic organism

Part III: (10 marks) ~~10 marks~~ a prokaryotic cell.

1- How are biological terms broken down?

Biological term = prefix (0,25) + stem (root) (0,50) + suffix (0,25)

2- Break down these terms by mentioning word elements and the origin and the meaning of each element .

		meaning	origin
	Oliguria (0,25)	<u>producing small amounts of urine</u>	
prefix	<u>olig</u> (0,25)	<u>Few</u> (0,25)	<u>Greek (G)</u> (0,25)
stem			
suffix	<u>uria</u> (0,25)	<u>pertaining to urine</u>	<u>Greek (G)</u> (0,25)