

1- Write on One only of the following:

- a- The Importance of Nuclear Energy
- b- Blind Imitation is a Disease
- c- How to Make Egypt Better
- d- Why I Study Agriculture
- e- The Ideal character in my Life
- f- What is your Dream?

2- Answer FOUR only of the following questions:

- a- How do changes inside the earth show themselves?
- b- What happened to Mme Curie as a result of radiation?
- c- Why did Eric the Red call the new land Greenland?
- d- Explain: $E=MC^2$. Why is this equation important?
- f- How can the bees' orientation at both ends of a journey for food be affected?
- g- Why was pozzolana important to the Romans?
- h- waste, sand, theory, atom, month (form adjectives)
- i- explain, behave, know, high (form nouns)

3- Translate into classical Arabic:

Von Frisch's experiment on colour vision constitute only part of the mammoth study he has made of honey bees' food finding behavior. The most important part of the study was that showing the mechanism by which the bees find their way home from the flowers where they have been feeding and communicate the knowledge of the direction from which they have come , and the distance they have traveled to their hive mates. The incredible details of the waggle dance by which this knowledge is communicated have been recounted many times and will be omitted here as we are more concerned with the individual bee finding its way home than with the way it communicates with its fellows.

(Good Luck)