

Exam. Code : 107401

Subject Code : 1821

B.Sc. Biotechnology 1st Semester

COMMUNICATION SKILLS IN ENGLISH-I

Paper-BT-7

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Attempt **FIVE** questions. Select at least **ONE** from each Section. The **fifth** question may be taken from any Section. Each question carries 10 marks.

SECTION-A

1. Read the following passage and answer the following questions :

Marie Curie was one of the most accomplished scientists in history. Together with her husband, Pierre, she discovered radium, an element widely used for treating cancer, and studied uranium and other radioactive substances. Pierre and Marie's amicable collaboration later helped to unlock the secrets of the atom.

Marie was born in 1867 in Warsaw, Poland, where her father was a professor of physics. At an early age, she displayed a brilliant mind and a blithe personality. Her great exuberance for learning prompted her to continue with her studies after high school. She became disgruntled, however, when she learned that the university in Warsaw was closed to women. Determined to receive a higher education, she defiantly left Poland and in 1891 entered the Sorbonne, a French university,

where she earned her master's degree and doctorate in physics.

Marie was fortunate to have studied at the Sorbonne with some of the greatest scientists of her day, one of whom was Pierre Curie. Marie and Pierre were married in 1895 and spent many productive years working together in the physics laboratory. A short time after they discovered radium, Pierre was killed by a horse-drawn wagon in 1906. Marie was stunned by this horrible misfortune and endured heartbreaking anguish. Despondently she recalled their close relationship and the joy that they had shared in scientific research. The fact that she had two young daughters to raise by herself greatly increased her distress.

Curie's feeling of desolation finally began to fade when she was asked to succeed her husband as a physics professor at the Sorbonne. She was the first woman to be given a professorship at the world-famous university. In 1911 she received the Nobel Prize in chemistry for isolating radium. Although Marie Curie eventually suffered a fatal illness from her long exposure to radium, she never became disillusioned about her work. Regardless of the consequences, she had dedicated herself to science and to revealing the mysteries of the physical world.

- Even though Marie Curie became fatally ill from working with radium, what was her reaction ?
- Suggest the most appropriate title of the above passage.
- For what she was awarded Nobel Prize ?
- Write down the central idea of the passage.
- What was the health problem of Marie Curie ?

2. Read the passage and answer the following questions :
Computers are machines that can help us in many ways. But they cannot think or do things on their own. Humans have to feed them with information and tell them what to do with it. They cannot come up with any new information. But they can save much time and work. For example, all the information and the office files can be stored in a computer's "memory". If a clerk were to trace any information from a particular file, the computer would only take seconds to find it. It would take a clerk days or even weeks to go through every file if no computers were used. The first computers were huge and costly. They filled up almost the whole floor of large offices. Later, because of the usefulness and demand for computers in business, scientists soon found ways to produce cheaper and smaller computers. They invented chips which made it possible to store more information in less space. Today, computers are not only cheaper, but also more compact. They can just be placed on top of an ordinary writing table. They can even be carried from place to place easily. Computers are not only used in offices by companies, but they are also used at home, by families who can afford them. Robots, on the other hand, are not mechanical people. They are only moving parts controlled by a computer. A robot can do the same work for twenty four hours, and yet, it does not complain or get tired. In the United States robots are computers that tell them where to guard and what to do. These robots are programmed to listen for certain noises and signals for help in case of trouble or danger. In Japan and in some places in America, robots are used

in factories to assemble cars. As computers become more common businesses and factories, people fear that one day computers and computer controlled robot will put human workers out of work.

- Why do humans have to feed the computers with information and tell them what to do ?
- Why did the first computers fill up almost the whole floor ?
- Write the meaning of 'more compact'.
- Robots are more intelligent than human beings. Explain.
- Give suitable title to the passage.

SECTION-B

- Write in detail about the significance of Reading Skills.
- What is logical progression and meanings of expression in Reading Skills ? Discuss in detail.

SECTION-C

- What do you mean by Writing Skills ? Explain in detail.
- Write a letter to your Mother for the permission to join Youth Festival organized by your college.

SECTION-D

- You want to apply for the scientist in a Company. Write a Resume for the job.
- Write a Notice for the students if anybody wants to join NSS.