

2018

MCA 1st Semester Examination

ORAL AND WRITTEN COMMUNICATION LAB.

PAPER—MCA-193

(Practical)

Full Marks : 100

Time : 3 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

All questions are compulsory.

1. Read the passage and answers the questions below :

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

(Turn Over)

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.

(a) Refer to the above passage to answer the following questions : 5×3

- (i) Suggest a suitable title of the passage.
- (ii) How lucky was Marie ?
- (iii) In what field did Curie work ?
- (iv) Why did Marie went to Sorbonne ?
- (v) What was the cause of her death ?

(b) Multiple choice questions :

5×3

- (i) The Curies' _____ collaboration helped to unlock the secrets of the atom.
- A. friendly
 - B. competitive
 - C. courteous
 - D. industrious
 - E. chemistry
- (ii) Marie had a bright mind and a _____ personality.
- A. strong
 - B. lighthearted
 - C. humorous
 - D. strange
 - E. envious
- (iii) When she learned that she could not attend the university in Warsaw, she felt _____.
- A. hopeless
 - B. annoyed
 - C. depressed
 - D. worried
 - E. none of the above

(iv) Her _____ began to fade when she returned to the Sorbonne to succeed her husband.

- A. misfortune
- B. anger
- C. wretchedness
- D. disappointment
- E. ambition

(v) Even though she became fatally ill from working with radium, Marie Curie was never _____.

- A. troubled
- B. worried
- C. disappointed
- D. sorrowful
- E. disturbed

2. Recently, you got an opportunity to meet some courageous girls, who, despite serious opposition from their families, continue their education. This has made you feel both proud and concern about these girls and you decide to write a letter for the Editor of a newspaper emphasising upon the need to promote girl child education. 10

3. Write an essay on any *one* of the following : 20

(a) My first day at a University.

Or

(b) Should the federal government be allowed to regulate information on the Internet ?

Or

(c) Do modern technologies have a too heavy impact on our lives today ?

4. Write a report on any *one* of the following : 10

(a) Social Networks

Or

(b) Pollution.

[Internal Assessment : 30]
