00378

The Open University of Sri Lanka
Faculty of Natural Sciences
B.Sc/ B. Ed Degree Programme

Department	**: Botany**
Level	**: 03**
Name of the Examination	**: Final Examination**
Course Title and - Code	**: Ethics in Science and Technology-FNU3200/PCU1102**
Academic Year	**: 2019/2020**
Date	**: 22.10.2020**
Time	**: 9.30-11.30 am**
Duration	**: 02 hours**

General Instructions

1. Read all instructions carefully before answering the questions.

2. This question paper consists of **(06)** questions in **(01)** pages.

3. Answer any 04 questions only

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4. Answer for each question should commence from a new page.

5. Draw fully labelled diagrams where necessary

6. Involvement in any activity that is considered as an exam offense will lead to punishment

7. Use blue or black ink to answer the questions.

8. Clearly state your index number in your answer script

1. Recently, the city of Colombo subjected to many changes including several 'beautification' projects. Some of these projects involved removal of people from their homes. Identify and explain the possible ethical issues resulted from the above-mentioned projects.

2. Explain briefly the factors affecting the development of persons' attitude towards social problems?
   In our society, contrasting attitudes are the origins of any social problems. These different attitudes also led to people's ethical positions. Providing examples explain concisely the relationships between the conflicting attitudes and origin of ethical problems?

3. (a) Define term 'informed consent'.
   (b) Discuss the difficulties that researchers may encountered obtaining an informed consent.

4. Write short notes on the following.
   (a) Infringement of copy right
   (b) Rights granted for trade mark owner
   (c) Double effect

5. 'Patent system intend to promote innovation by giving exclusive right to exploit the invention and to improve the social benefit resulting from that innovation'.
   (a) What is/are the requirement/s of an invention to be patented in Sri Lanka?
   (b) List the procedure/s that required in order to patent an invention.

6. (a) What is meant by the term "Ethics"?
   (b) List the basic principles of ethics.
   (c) Discuss the importance of ethical principles in social harmony.

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