Seat No:

Enrollment No:

PARUL UNIVERSITY

FACULTY OF APPLIED SCIENCE

B.Sc. Summer 2017-18 Examination

Semester: 6 Date: 12/05/2018

Subject Code: 11100351 Time: 02:00 pm to 04:30 pm

Subject Name: Bioethics Total Marks: 60

Instructions:

- 1. All questions are compulsory.
- 2. Figures to the right indicate full marks.
- 3. Make suitable assumptions wherever necessary.
- 4. Start new question on new page.

Q.1. A) Essay type (Each of 04 marks)

(08)

- (a) Explain biosafety, describe levels of biosafety in detail
- (b) Discuss the IPR case study related to Basmati rice

Q.1. B) Answer the following questions (Any two)

(a) Short note. (Each of 02 marks)

(04)

- 1. Short note on the principle of autonomy
- 2. What is LAI?
- (b) Short note on traditional knowledge

(04)

(c) Short note on various forms of IPR

(04)

Q.2. A) Answer the following questions.

(a) Fill in the blanks. (Each of 02 marks)

(04)

- Full form of WTO _____
 Full form of WIPO _____
- (b) Short note on copyright

(04)

Q.2. B) Answer the following questions (Any two)

(a) Multiple choice questions. (Each of 01 marks)

- (03)
- 1. Any biological or chemical substance that is dangerous to human, animal and environment is called _____?
 - A. biohazard

B. bioethics

C. biodiversity

D. biosafety

- 2. What is biosafety level?
 - A. Is a set of base on requirements
- B. Is a set of biocontainment precaution required to isolate dangerous biological agent in an enclosed laboratory facility
- C. Is a set base on temperature
- D. None of this
- 3. Full form of BSL is
 - A. Biosafety level

B. Biisocial level

C. Biosystem level

- D. Biosociety level
- (b) Short note on tradesecret with example(c) Short note on Trademark with example

(03) (03)

Q.3. A) Essay type (Each of 04 marks)

(08)

- (a) List and describe in detail principles of bioethics.
- (b) List out instruments associated with biosafety and state their function.

Q.3. B) Answer the following questions (Any two)

(a) Brief note (Each of 02 marks)

(04)

- 1. Define bioethics
- 2. What is biohazard
- (b) Short note on genetic engineering.

(04)

(c) Give full form of GMO's. Give any four examples

(04)

Q.4.	A)	Answer the following questions.		
		(a) Fill in the blanks. (Each of 02 marks)		(04)
	1. Organisms that have been genetically engineered to carry one or more foreign		engineered to carry one or more foreign	
		genes are known as	•	
2. E bola virus is the example of biosafe			ty level	
	(b) Short note on geographical indications with four suitable examples		•	(04)
Q.4.	B) Answer the following questions (Any two)		•	, ,
		(a) Multiple choice questions (Each of 01 marks)		(03)
		1. Which of the following practices are not allowed in the laboratory?		
		A. Eating and Drinking	B. Applying Cosmetics	
		C. Handling Contact Lenses	D. All of the above.	
		2. A set of standards used to regulate own or community activity in relation to biologica		
		world is	, ,	
		A. Biopotency	B. Biowar	
		C. Bioethics	D. Biopiracy	
		3. The Convention on Biodiversity (CBD) include:		
		A. Conservation of biological diversity		
		C Fair and equitable charing benefits	-	
		C. Fair and equitable sharing benefits D. All of the above		(03)
		(b) Short note on Trade-related aspects of intellectual property rights agreements (TRIPS).		(03)
		(c) Short note on Biopiracy		(03)