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(Printed Pages 3)

(20517)

Roll No. 9352034

B.Sc. Bio-Tech-III Yr.

NS-3480

B.Sc. Bio-Technology Examination, May 2017

Biosafety Guidelines Intellectual
Property rights and Entrepreneurship
Development

(B-308)

(New)

Time : Three Hours]

[Maximum Marks : 75

Note : Attempt any five questions. All questions carry equal marks.

1 Discuss the impact of release of GMOs on Environment. Also describe the myths associated with GMOS. 15

2 Write notes on following : 5×3=15

(i) TRIPS

P.T.O.

- (ii) DLC
(iii) SEED POLICY
3. What is rDNA Technology? Discuss its various steps. What safety measures are required by scientists while working with rDNA? 15
4. What is Paris Convention? When was it established? How does it help in protection of IP & IPRs? 15
5. (i) What are salient features of convention on Biodiversity. 5×3=15
(ii) What are benefits of becoming party of Cartagena protocol.
(iii) List various regulatory bodies for Biosafety in India.
6. (i) What are different aspects of Plant Breeder's & Farmer's rights. 5×3=15
(ii) What all things can be patented in India.

NS-348012

- (iii) What is Entrepreneurship? How it can impact our society?
7. List 10 myths associated with Cloning. What are possible explanation for them. 15
8. Write notes on following : 5×3=15
(i) Plant Quarantine Order 2003
(ii) RDAC
(iii) Patents
9. (i) What are different criteria for Patentability? 5×3=15
(ii) What is PCT? How does it help in filing of International Patents?
(iii) What are Plant breeder's rights?
10. Explain the role of Institutional Biosafety Committees in India. 15

NS-348013

(20518)

Roll No. 1593502692

B. Sc. (Biotech.)-III Year

NS-3480

B. Sc. (Biotechnology) Examination, May 2018

Biosafety Guidelines, Intellectual Property Rights &
Entrepreneurship Development

(B-308)

(New)

Time: Three Hours]

[Maximum Marks : 75

Note: Attempt any Five questions. All questions carry equal marks.

1. Describe the role of Institutional Biosafety Committees in India. 15

2. Write notes on the following: $7\frac{1}{2} \times 2 = 15$

(a) Plant quarantines

(b) RDAC.

(2)

3. Name 10 myths associated with cloning. What are the possible explanations for them? 15

4. Write notes on the following: $7\frac{1}{2} \times 2 = 15$

- (a) Salient features of convention on biodiversity.
- (b) Different aspects of plant breeders and farmers rights.

5. What do you mean by rDNA technology? Describe its various steps in detail with reference to measures required by scientists while working with rDNA. 15

6. Write notes on the following: $7\frac{1}{2} \times 2 = 15$

- (a) TRIPS
- (b) Seed Policy.

7. When was the Paris Convention established and how does it help in protection of IP and IPRs? 15

8. Write in detail the objectives and salient features of Cartagena Protocol on Biosafety. 15

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(3)

9. Write notes on the following: $7\frac{1}{2} \times 2 = 15$

- (a) Basic principles and objectives of Patent system
- (b) National Environment Policy (2006).

10. Write an essay on legal and socioeconomic impacts of Biotechnology.

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A (Printed Pages 2)
(20620) Roll No.
B.Sc. (Biotech.)-III Year

NS-3480 (CV)
B.Sc. (Biotech.) Examination,
June-2020

Biosafety Guidelines, Intellectual Property Rights
& Entrepreneurship Development
[B-308]

Time : Two Hours] [Maximum Marks : 75

Note : Attempt any **four** questions. **All** questions carry equal marks.

1. What is Recombinant DNA Technology?
Describe it's various steps in detail.
- ② Write short notes on:
✓(a) IBC - *Just*
✓(b) National Environment Policy (2006)
- ③ Write in detail about the Prevention Food Adulteration Act (1955).

P.T.O.

4. What are the legislations covering Intellectual Property Right (IPRs) in India?
5. Write short notes on :
 - (a) Bioentrepreneurial training
 - (b) GMOs
- ⑥. What is Cartagena Protocol on Biosafety? Write in detail about the objective and salient features of cartagena protocol?
- ⑦. What is Plant Quarantine? Write in detail about the steps of Quarantine used in plant breeding.
8. What are Revised Guidelines for Research in Transgenic plant?
9. Write in detailed note on Plant Breeder's Rights.
10. Discuss the legal and socioeconomic impact of Biotechnology.