



UNIVERSITY OF THE PUNJAB

B.S. 4 Years Program :Seventh Semester – 2020

Paper: Biohazards, Biosafety, Bioethics

Course Code: BOT-403

Part – I (Compulsory)

Time: 15Min. Marks: 10

Roll No. in Fig.

Roll No. in Words.

Attempt this Paper on this Question Sheet only.

Division of marks is given in front of each question.

This Paper will be collected back after expiry of time limit mentioned above.

Signature of Supdt.:

Q.1. Encircle the right answer cutting and overwriting is not allowed. (10x1=10)

1. Which one is related with human waste?

a) *Salmonella*

b) *E. coli*

c) *Campylobacter*

d) *Bacillus*

2. National Conservational Strategy is of

a) India

b) **Pakistan**

c) Japan

d) UnitedStates

3. Ozone is depleted due to.

a) Heat

b) Radiation

c) CFC

d) PB

4. Dengue means

a) Bad

b) dangerous

c) **evil spirit**

d) joint pain

5. Atomic bomb was thrown on

a) Hiroshima

b) Nagasaki

c) Orinchi

d) **a + b**

6. Most dangerous waste is

a) Solid waste

b) Liquid waste

c) **Hospital waste**

d) house hold waste

7. TajMahal, effected seriously by acid rain is located in

a) Bombay

b) Lucknowe

c) **Agra**

d) Delhi

8. Radioactivity was discovered by

a) Rutherford

b) **Bacquerel**

c) Thomson

d) Newton

9. Dolly was cloned in

a) England

b) Germany

c) **Scotland**

d) Australia

10. GMOs

a) Bacteria

b) Fungi

c) **Animal**

d) **a + c**



ATTEMPT THIS (SUBJECTIVE) ON THE SEPARATE ANSWER SHEET PROVIDED

Q.2. Give short answers of the following: (10x2=20)

1. What are effects of RADIATION?
2. What is PEPA?
3. Define LEGAL ISSUES.
4. Give role of BACTERIA in GMOs.
5. What are BIOETHICS?
6. What is CHEMICAL WARFAIR?
7. Give types of BIOHAZARDS.
8. Define NCS.
9. Define RADIOACTIVE FALLOUT.
10. What is BIOLOGICAL WEAPON.

Q.3. Answers the following questions. (6x5=30)

- A. Explain NUCLEAR ATTACK in World War II.
- B. What is HEALTH and SAFETY?
- C. Write a detail note on ENVIRONMENTAL LAWS.
- D. What are GMOs? Give their DEMERITS.
- E. What is HOSPITAL WASTE? Give measures to discard it.
- F. How MICROBES are source of diseases?