

SEAT No. _____

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SARDAR PATEL UNIVERSITY
M.Sc. Biomedical Science, Third Semester External Examination
Tuesday, 5th January, 2021
Time: 11.00 a.m. to 01.00 p.m.
Paper Code: PT03EBMC22
(Biosafety and IPR)

Total Marks- 70

Note: i) Attempt all questions.
ii) Marks are indicated on the right hand side.

Q.1 A Answer the following Multiple Choice Questions. All are compulsory

08

1. In India the most prevalent hotspot of biodiversity is _____.
a) Western Ghats b) Himalayas c) Ganges d) None of the above
2. What type of gloves offer the most protection from chemicals?
a) Vinyl b) Nitrile c) Latex d) All of the above
3. Which agency is responsible for regulating disinfectants?
a) National Institutes of Health b) Food and Drug Administration
c) Environmental Protection Agency d) World Health Organization
4. How long do patents usually last for?
a) 10 years b) 20 years c) 40 years d) 60 years
5. Patent application contains
a) Form -1 b) Form- 2 c) Both (a) & (b) d) None of these
6. International organization that provide stable environment for the marketing of IP is known as
a) IBRD b) UNDP c) UPU d) WIPO
7. Intellectual Property Rights (IPR) is a process which protects the use of information and ideas that are of.
a) Ethical value b) Commercial value c) Social value d) Moral value
8. Complete Specification contains
a) Title of invention b) Description of invention c) Claim d) All the above

Q.1 B Answer the following

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1. The number of species represented in a specific region, landscape or an ecological community is defined as _____.
2. _____ is defined as an ecological state of a species being unique to a specific geographic location.
3. Which Biosafety level involves the Highest risk microbes?
4. Which agency is responsible for regulating disinfectants?
5. *Stephylococcus cerevisia* would be handled at which Risk Group?
6. _____ can be utilized as the sole form of decontamination in a biological safety cabinet.
7. What language is acceptable to the Patent office?
8. Which is the oldest convention for patent protection?
9. Which pact focuses on patenting of microorganism?

[P.T.O]

[1]

10. The first legislation in India relating to patents was enacted in _____.
11. Pre-grant opposition can be filed by anyone. TRUE/FALSE
12. TK is distinctly associated with an indigenous or local community, which preserves and transmits it from generation to generation. TRUE/FALSE
13. A copyright protects the expression of ideas. TRUE/FALSE
14. Does Indian Patent give protection worldwide? YES/ NO
15. Headquarter of WIPO is located at _____.
16. Time limit of filing PCT national phase application is _____.

Q-2 Attempt Any Seven of the following

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1. What are the ethical concerns involved in genetic research?
2. What does the biodiversity act-2002 primarily address?
3. What is laboratory acquired infection? Which are the various routes of transmission?
4. Define containment and biosafety.
5. Give WHO classification of etiological system.
6. How choice of IPR protection made?
7. What is patentable and non patentable in India.
8. What is tangible and intangible property?
9. What is PCT?

Q.3 What is traditional knowledge? What is the need to protect traditional knowledge. **08**

OR

Q.3 Write note on ethical, legal and social implication of Human Genome Project. **08**

Q.4 a) Explain in detail about bio-safety levels according to risk group organism. **05**
b) What is risk assessment? **03**

OR

Q.4 a) Describe the role of RCGM, GEAC and OECD. **05**
b) What are the ethical issues in cloning human. **03**

Q.5 Write a note on
a) WIPO **04**
b) Budapest treaty **04**

OR

Q.5 a) Write a note on WTO **05**
b) What is the importance of intellectual property in modern era? **03**

Q.6 a) Discuss the steps involved in filling of patent. **05**
b) Write a note on patent infringement. **03**

OR

Q.6 Write a note on
a) Types of Patent applications. **04**
b) Revocation of patent **04**
