

Roll No. 

--	--	--	--	--	--	--	--	--	--	--	--

**Total No. of Pages : 01**

**Total No. of Questions : 08**

**PHD (Pharmacy & Biotechnology)  
INTELLECTUAL PROPERTY RIGHTS**

**Time : 3 Hrs.**

**Max. Marks : 100**

**INSTRUCTIONS TO CANDIDATES :**

- 1. Attempt any FIVE questions out of EIGHT questions.**
- 2. Each question carries TWENTY marks.**

1.
  - a) Define a Patent and highlight the benefits associated with filing a Patent. Explain the parts of a Patent.
  - b) What is IPR? Discuss the different types of IPRs with suitable examples.
2.
  - a) Explain non-obviousness in a Patent.
  - b) What is a Trademark? Explain the purpose of obtaining a Trademark. Describe the process of registering a Trademark.
3.
  - a) Comment on the role of WIPO with respect to IPRs.
  - b) What is TGA? Mention the different functions of TGA. Highlight its role in maintaining high standard of pharmaceuticals.
4. What is CDSO? Discuss the functions of CDSO.
5. What is contract research organization? Comment on the regulatory guidelines for CROs.
6. What is meant by EMEA? Enumerate functions of EMEA.
7. What are biosimilars? Give two examples and mention the key regulatory guidelines for them.
8. Describe the process of filing Patent in India.