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M.Pharmacy (Pharmacognosy) (2017 & Onwards) (Sem.-1)**INDUSTRIAL PHARMACOGNOSTICAL TECHNOLOGY****Subject Code : MPG-104T****M.Code : 74672****Time : 3 Hrs.****Max. Marks: 75****INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE questions out of SIX questions.
2. Each question carries FIFTEEN marks.

- Q1. Write an elaborated note on the infrastructural requirements, according to Schedule T of D & C act, for a industry dealing with herbal drugs and its formulations. (15)
- Q2. (a) Discuss patent laws for herbal drugs and natural products according to Indian Patents Act 1970. What are the various things in the field of herbal drug research that can be patented? Also discuss important amendments made in the Act to make it TRIPS compliant. (9)
- (b) Explain the concept of TQM and ISO-900 and their importance in herbal drug industry. (6)
- Q3. Why stability testing is required for herbal drugs and products? Discuss its related regulatory requirements, and challenges faced during stability testing of herbal drugs. (5,5,5)
- Q4. Give a comparative account of various parameters required to develop a herbal drug monograph according to WHO, BHP and API. (15)
- Q5. Explain the term Bio-piracy. It has changed the scenario of patenting in the field of herbal drugs/traditional knowledge in India. Explain with suitable case studies. What steps Indian Government has taken to prevent Bio-piracy? (15)
- Q6. Write notes on :
- (a) Difference between Quality assurance and quality control in the field of herbal drugs/products and their importance. (5)
- (b) WHO guidelines in quality assessment of herbal drugs. (5)
- (c) Conditions under which a patent can be revoked. (5)

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

