



- Notes :
1. All questions carry equal marks.
  2. Illustrate your answers wherever necessary with the help of neat sketches.
  3. Q. No. 1 Compulsory and solve any **Four** from remaining.

1. a) Write in detail about Carbohydrate Containing drugs. **8**  
b) Write in detail about Lipid Containing drugs. **8**
2. a) Define and classify Resin with examples. **8**  
b) Write Synonym, Biological Source, Chemical Constituents and uses of **Any Two**. **8**
  - i) Turmeric
  - ii) Asafoetida
  - iii) Podophyllum.
3. a) Explain in detail about exogenous factors affecting cultivation of crude drug. **10**  
b) Write a short note on Drying and Garbling. **6**
4. Write a short note on **16**
  - a) Streptomycin
  - b) Agar
  - c) Polypeptide Antibiotic
  - d) Honey
5. a) Define and classify Fiber along with its chemical tests. **8**  
b) Write a short note on Gelatin and Pectin. **8**
6. a) Define Tannin along with its chemical test for identification. Write a note on Myrobalan. **8**  
b) Differentiate between Pale and Black Catechu. **4**  
c) Differentiate between hydrolysable and condensed Tannin. **4**
7. Explain the general method of isolation of **Any Four** **16**
  - a) Alkaloid
  - b) Glycoside
  - c) Tannin
  - d) Volatile Oil
  - e) Resin

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