

W-450(S)/W-451(S)**B.Sc. (Third Year) (Supplementary) Examination, September-2020****PHARMACEUTICAL CHEMISTRY****Paper - I & II****Medicinal Chemistry / Instrumental Analysis***Time : Three Hours**Maximum Marks : 40+40=80 (For Regular Students)**Minimum Pass Marks : 33%**Maximum Marks : 50+50=100 (For Private Students)**Minimum Pass Marks : 33%***Note :** Attempt **all** questions.**Section-A**

- Q.1. Discuss the synthesis of adrenalin. 13/16
- Q.2. Describe classification and SAR of cephalosporins. 13/17
- Q.3. Describe synthesis and uses of chloroquine phosphate. 14/17

Section-B

- Q.4. Explain the working of following electrodes. 13/16
i) Calomel electrode
ii) Silver chloride electrode
- Q.5. Discuss any one of the following : 13/17
i) Principle of IR spectroscopy and important application.
ii) Shielding and de shielding effect, and chemical shift.
- Q.6. Describe principle, methodology and applications of technique for thin layer chromatography. 14/17

