Bachelor of Pharmacy (B.Pharm) Fourth Semester

BP404 - Pharmaceutical Microbiology and Immunology-II

P. Pages: 1 GUG/W/18/1167 Time: Three Hours Max. Marks: 80 All questions carry equal marks. Notes: 1. 2. Question No. 1 is compulsory. 3. Illustrate your answers wherever necessary with the help of neat sketches. 4. Solve anv four from remaining. Solve any four from following. 1. 16 Define disinfection. Give the ideal properties of disinfectant. Differentiate between sterilization and disinfection. b) Define hypersensitivity. Explain in brief type I hypersensitivity. c) d) Describe D-value and z-value. Explain chemical indicators for s. method. e) 2. Explain normal defence mechanism of host. 8 a) Evaluate disinfectant by Rideal walker test. 8 b) What is antigen-antibody reaction? Explain Precipitation and agglutination reaction in 16 3. detail. Discuss principle, working and application of moist heat sterilization. 8 4. a) Classify different disinfectant. Explain factors affecting disinfectant action. 8 b) 5. Differentiate between vaccines and sera. Give the general method of preparation of 8 a) vaccines. Explain the techniques of controlling microbial population in air. 8 b) 6. a) Explain principle and working of radiation sterilization. 8 b) Explain method of sterilization of pharmaceutical product. 8 7. Write a short note on any four. 16 Complement Protein. a) Gaseous Sterilization. b) Radioimmunoassay. c) Tuberculin & Schick test. d) Differentiate between endotoxin & Exotoxin. e)
