

DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO. QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MALPRACTICE
ANSWER THE QUESTION SERIALLY AND CONTINUOUSLY

Subject: PHARMACEUTICS-I (Theory)

Full Mark -80

Time -3 hrs

(Answer any five questions including question No. 1)

1. A) Define the followings: (1 x 8)
i) Mottling ii) Marc iii) Gargle iv) Menstrum v) Implants vi) Enemas
vii) Prodrug viii) Filter Aids
- (B) Differentiate between the following (1 x 10)
i) Dusting power and insufflations ii) Conduction & Convection
iii) Bacteriostatic & Bactericidal iv) Spray drying & Freeze drying
v) Syrup & Elixir vi) Toxoid & Vaccine
vii) Maceration & infusion viii) Aristas & Asavas
ix) Lotion & Liniment x) Distillation & Evaporation
- (C) Find the volume of 80% alcohol required to prepare 600ml of 50% alcohol? (2)
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2. Define distillation. What are the types of distillation. Give a detail on fractional distillation (3+3+9)
3. Define Homogenization. Discuss the principle, construction, function of two equipments you have studied which are used in Homogenization. (1+6+8)
4. Write notes on: (5 x 3)
(a) Human normal immunoglobulin (b) Rabies vaccine (c) Tuberculin Test
5. Explain in detail: (7¹/₂ x 2)
(a) Factors affecting size reduction (b) Factors affecting rate of filtration
6. a) Define aerosols with its advantages and disadvantages. (5+6+4)
b) Explain various parts of aerosol container with diagram
c) Write down the process of filling of aerosol products.
7. Define Extraction? What are different processes of extraction? Describe in detail about continuous hot percolation method (2+3+10)
