

Hemchandracharya North Gujarat University, Patan
Bachelor of Vocation

Pharmaceutical Chemistry Semester VI
Mid SEM Examination, March- 2017

Subject: Medicinal chemistry III (PC 612)

Time: 2 hrs

Date: 28/03/2017

Marks: 60

Q.1 Answer any 12 questions. Each question carries 1 mark

[12*1=12]

1. Define combinatorial chemistry
2. Merrifield is a _____
(a) Antibiotics (b) Resin (c) anti malarial (d) antifungal
3. Orthodox synthesis is better than combinatorial synthesis (True/False)
4. Full form PABA
5. How would you synthesize sulphanilamide from
(a) Acetanilide (b) Benzene (c) sulphanilic acid (d) thalazole
6. Anti Mycobacterial are _____
7. Isoniazide is _____ class Drug.
(a) anti malarial (b) Anti Mycobacterial (c) antifungal (d) Antiviral
8. Draw the structure of chloroquin.
9. Pamaquine is a analogues of 8-aminoquinoline. (True / False)
10. Sulphonamides SAR depends on _____ positions
(a) N₁ & N₄ (b) N₁ & N₂ (c) N₂ & N₄ (D) N₁ & N₃
11. Define Antitubercle agents
12. Sulphafurazole and fluconazole are same (True /False)

Q.2 Answer any 5 questions. Each question carries 04 marks

[5*4=20]

1. Explained Classification of sulpha drug
2. Synthesis of sulphacetamide
3. What is antimycobacterial drug? Synthesis of ethambutol.
4. Synthesis of metronidazole.
5. Advantage and disadvantage of solid phase chemistry.
6. Introduction of combinatorial chemistry.

Q.3 Answer any 4 questions. Each question carries 07 marks

[4*7=28]

1. What is sulpha drug? Explained mechanisms and SAR of sulpha drug.
2. What is antimalarial drug? Synthesis of any two drug?
3. What combinatorial chemistry and drug discovery is in detailed?
4. What is antifungal drug? Synthesis of fluconazole.
5. SAR of ant malarial drug? And life cycle of plasmodium.