**Syllabus discussion for Final Year B.Pharm.**

**PHARMACEUTICAL CHEMISTRY SEM VII (CBGS)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SR.NO** | **TITLE** | **LECTURES** | **MARKS** | **Marks distribution** |
| **1.** | **Anticancer agents** | **7+1 (8)** | **12** | **4M x 3** |
| **2.** | **Antiviral** | **3+2(5)** | **8** | **1M, 3M, 4M** |
| **3.** | **CVS** | **(21)** | **33(Total)** |  |
| **3.1** | **Cardiac glycosides** | **1** | **2** | **1M x 2** |
| **3.2** | **Antianginal** | **2** | **3** | **3M** |
| **3.3** | **Antiarrythmic** | **2** | **3** | **3M** |
| **3.4** | **Diuretic + osmotic diuretic** | **4+1[5]** | **8** | **1M, 3M, 4M** |
| **3.5** | **Renin angiotensin pathway, Renin inhibitors,**  **Aldosterone analogs** | **2**  **1**  **1** | **3**  **1**  **1** | **3M**  **1M**  **1M** |
| **3.6** | **Vasodilator** | **2** | **4** | **4M x 1** |
| **3.7** | Antihyperlipoproteinemics | **2** | **4** | **4M x1** |
| **3.8** | **Thrombolytics+ self study** | **2+1[3]** | **4** | **1M x 4** |
| **4** | **Antihistaminic** | **3+1[4]** | **6** | **1M x 2, 4M** |
| **5** | **Hypoglycemics** | **3+1[4]** | **6** | **1M x 2, 4M** |
| **6** | **Anaesthetics (G and L)** | **3(3)** | **5** | **1M, 4M** |
|  |  |  |  |  |
|  |  | **45** |  |  |

**The above table classifies the syllabus in terms of topics, the lectures hours allotted, the lecture hours converted to the expected marks they carry in the exam and the marks break up for setting the question paper .**

**Since, a] Q.1 of Q paper is of 15M and Q.2 to 6 are of 11 Marks**

**b] In Q.1 each question is for one mark, and**

**c] Q.2 to Q.6 would follow 4, 4, 3 pattern for marks**

**For setting the question paper one would need 15 x 1 mark questions, 5 x 3M questions and 10 x 4M questions. (This requirement is fulfilled in rightmost column of the above table). Kindly make sure that a given major question number does not carry two 4M questions of the same topic, i.e, spread same topic questions across the paper.**

**Note:**

1. **In Q. 1 no option would be there and pattern of questions like Give structure/ IUPAC name/ Give example. No therapeutic use to be asked. NO pharmacological questions should be asked**
2. **2. All syntheses to be discussed from Lednicer, Florey and Kleeman only**
3. **No SAR for anticancer, antiviral and thrombolytics. For rest all agents SAR to be discussed**
4. **For vasodilators SAR for selective β-1 and α-2 blockers should not be discussed as it will be discussed in sem 8**
5. **HMG CoA reductase SAR to be discussed in detail**
6. **In hypoglycemic, insulin not to be discussed. Detailed SAR of sulfonyl urea -1st generation, SU receptor binding pattern, etc to be discussed. Newer agents metaglinide and repaglinide from Wilson. PPAR-ϒ agonist structure not expected. Mechanism of action for all to be discussed. GLP-1 and DPP-IV linked agents to be discussed from newer editions.**
7. **In antihistamincs, Cimetidine and related analogues are there for detailed discussion in class not for self study.**