

**QP CODE: 305008**

**Reg. No.....**

**Third B.Pharm (Ayurveda) Degree Supplementary Examinations March  
(November), 2020**

**Pharmacology I**

**Time: 3 Hours**

**Total Marks: 100**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*

**Essays:** (2x10=20)

1. Describe G-protein coupled receptors in detail.
2. Classify anti-asthmatic drugs with examples. Write mechanism of action and therapeutic uses of aminophylline. (6+2+2)

**Short notes:** (10x5=50)

3. Intravenous route of drug administration.
4. Oxidation and reduction reactions of drug metabolism.
5. Classification of anti-cholinergic drugs with examples.
6. Drug accumulation.
7. Mechanism of action and therapeutic uses of tacrolimus.
8. Synthesis of thyroid hormones.
9. Digestive enzymes.
10. Pharmacological actions of prostaglandins.
11. Tocolytics
12. Vitamin E

**Answer briefly:** (10x3=30)

13. Define - pharmacology, toxicology and chemotherapy.
14. Sources and daily requirement of vitamin A.
15. Chemical assay.
16. Intra dermal route of drug administration.
17. Define anti-tussive and classify them with example.
18. Importance of drug antagonism.
19. Therapeutic gas – nitric oxide.
20. Treatment of salicylate poisoning.
21. Define hormone and enlist hypothalamic regulatory hormones.
22. Define - side effects and untoward effects of drugs

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