

QP Code:

Reg. No.:.....

## Final Year B.Pharm(Ay) Examinations

(Model Question Paper)

### Rasashastra II

**Time: 3 hrs**

**Max. marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays:**

**(2x10=20)**

1. Explain Parada doshas. Classify them and mention its nivaranopaya.
2. What is meant by Rasabandha. Explain various Rasabandha.

**Answer briefly:**

**(10x5=50)**

3. Explain Parpatipaka with Tamraparpati.
4. Difference between moorchana and moorchana samskara.
5. Classify Rasayoga. Explain Rasapushpa.
6. Explain standardisation of quality of minerals.
7. Difference between Makaradhwaja & Siddhamakaradhwaja and mention its indications.
8. Classify and explain Patana samskara
9. Explain about Hingulotthaparada.
10. Importance and varieties of kajjali.
11. Samanya shodana of Rasa.
12. Ores of parada.

**Short notes:**

**(10x3=30)**

13. Rasakarpura
14. Mahataleswara rasa
15. Amritarnava rasa
16. Lokanatha rasa
17. Lekshmilasa rasa
18. Hinguleswara rasa
19. Mugdha rasa
20. Rasaparpati
21. Vijayaparpati
22. Chintamani rasa.

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## Final Year B.Pharm(Ay) Examinations

(Model Question Paper)

### Bhaishajya Kalpana II

**Time: 3 hrs**

**Max. marks: 100**

- Answer all questions
- Draw diagrams wherever necessary

**Essays:**

**(2x10=20)**

1. Explain Snehapakavidhi, Snehapaka lakshana and write about Brahmi Ghrita.
2. Explain the importance of Sandhana Kalpana and preparation method of Dashamoolarishta.

**Answer briefly:**

**(10x5=50)**

3. Define Lepa and explain its various Bhedas with example.
4. Explain about Pathya Kalpana.
5. Nasya Kalpana.
6. Standardisation of Sandhana Kalpana.
7. How you will prepare Kanjika Kalpana.
8. Tilataila Moorchna.
9. Gandhaka Taila.
10. Gulgulumarichadi taila.
11. Narayana Taila.
12. Explain about Dhoomapana Kalpana.

**Short notes:**

**(10x3=30)**

13. Distinguish between Madhya and Sura.
14. Vatyodana.
15. Pradhamana Nasya
16. Ksheerashatpala ghrita
17. Yavagoo
18. Distinguish between Kavala and Gandoosha.
19. Siktha taila
20. Jatyadi ghrita
21. Sahasradhauta Ghrita.
22. Ashokarishta

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## Final Year B.Pharm(Ay) Examinations

(Model Question Paper)

### Pharmaceutical Analysis II

**Time: 3 hrs**

**Max. marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:**

**(2x10=20)**

1. Explain the principle, instrumentation and applications of HPLC
2. Discuss the principle of Mass spectroscopy. Explain about different types of ionization.

**Answer briefly:**

**(10x5=50)**

3. Explain Fluorescence in brief. Explain the concentration of Fluorescence intensity.
4. Add a note on polarography. Explain about DME.
5. Explain the methods used for detection in paper chromatography.
6. Components of AAS.
7. Standardization procedure for sindhura.
8. Explain about phototubes.
9. List out the difference between nephelometry and turbidometry.
10. Explain the different types of electronic transitions.
11. Good manufacturing practice.
12. Electrophoresis

**Short notes:**

**(10x3=30)**

13. Chemical shift.
14. Beer-Lambert's law.
15. Applications of fluorimetry.
16. Factors influencing Quenching.
17. Polarimetry.
18. Thermogravimetry .
19. Gel filtration.
20. Vibrations of IR spectroscopy.
21. Principle of flame photometry
22. Problems faced in standardizing Ayurvedic drugs and formulations.

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## Final Year B.Pharm(Ay) Examinations

(Model Question Paper)

### Pharmacology II

**Time: 3 hrs**

**Max. marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:**

**(2x10=20)**

1. Classify Penicillins with examples. Describe the mechanism of action. List the uses and adverse effect of Penicillins.
2. Define epilepsy. Classify the anti epileptics with examples. Discuss the pharmacology of Phenytoin.

**Answer briefly:**

**(10x5=50)**

3. Pharmacology of vitamin k
4. Pharmacology of Thiazide diuretics.
5. Drug therapy in leprosy
6. Classification and mechanism of action of local anaesthetics
7. Drug therapy in AIDS
8. Hallucinogens
9. Pharmacology of ACE Inhibitors.
10. Drugs effective in iron deficiency anemia.
11. Neuro humoral transmitters in CNS
12. Pharmacology of Tricyclic antidepressants.

**Short notes:**

**(10x3=30)**

13. Drug therapy in Kala azar
14. Co-carel dopa
15. Use of adrenalin along with local anesthetics.
16. Mechanism of action and adverse effect of statins.
17. Classify anticancer drugs
18. Aversion therapy
19. Pharmacology of Barbiturates
20. Classification of anti arrhythmic
21. Treatment of methanol poisoning.
22. How the Disulfiram helps in chronic alcoholism

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## Final Year B.Pharm(Ay) Examinations

(Model Question Paper)

### Industrial Pharmacy II

**Time: 3 hrs**

**Max. marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:**

**(2x10=20)**

1. Explain the bases used in the preparation of suppositories.
2. What are surgical products. Explain sutures and ligatures in detail.

**Answer briefly:**

**(10x5=50)**

3. Explain the formulation of lipsticks.
4. Evaluation of suppositories.
5. Quality control of ophthalmic preparations.
6. Describe water for injection as a vehicle for parenterals.
7. Describe surgical cotton.
8. Advantages and disadvantages of sustained release formulations.
9. Explain microspheres as novel drug delivery systems.
10. Pilot plant scale up studies.
11. Explain glass as a packaging component.
12. Explain principal areas of preformulation studies.

**Short notes:**

**(10x3=30)**

13. Sterility testing for parenteral products.
14. Stability studies for pharmaceutical formulations
15. Goals of preformulation studies.
16. Organ replacement materials.
17. Routes of administration for various parenteral products.
18. Factors influencing the degradation of pharmaceutical products.
19. Preservatives used in parenteral preparations.
20. Formulation of dentifrices.
21. Requirements for a good ophthalmic preparation.
22. Factors influencing choice of containers.

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## Final Year B.Pharm(Ay) Examinations

(Model Question Paper)

### Pharmaceutical Industrial Management

**Time: 3 hrs**

**Max. marks: 100**

- *Answer all questions*
- *Draw diagrams wherever necessary*

**Essays:**

**(2x10=20)**

1. Explain Communication process in detail. Add a note on channels of Communication.
2. Define the term Economics. Explain the law of demand and supply. Explain in detail demand schedule.

**Answer briefly:**

**(10x5=50)**

3. Differentiate between Leader and a Manager.
4. Discuss the functions of Wholesaler and Retailer.
5. Enlist various Accounting concepts. Discuss any two in detail.
6. Explain various channels of distribution of a Pharmaceutical product.
7. Differentiate between Journal and Ledger.
8. What is Balance sheet. What are its characteristics.
9. Define Insurance. Discuss the different types of insurance.
10. Discuss the classification of Trade.
11. Differentiate between Order cheque and Bearer cheque.
12. Explain the advantages of bill of exchange.

**Short notes:**

**(10x3=30)**

13. Patent and Trademark
14. Types of Entrepreneurs.
15. Factors affecting Material handling system.
16. Compensation to the Pharmacist.
17. Classification of goods with reference to Demand.
18. Labour demand.
19. Levels of Management
20. Types of Accounts
21. Enlist various techniques of Sales Promotion.
22. Types of Cashbook and give the specimen for Three columnar cash book.

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