ADICHUNCHANAGIRI UNIVERSITY

B.Pharmacy I Semester Examination – October 2020

TIME: 2 Hours **MAX.MARKS: 40**

SUB: Pharmaceutics I

QP CODE: 11123

Specific Instructions

1. Answer One Question from **Long Essay** (Each question carries 10 Marks).
2. Answer Four Questions from **Short Essay** (Each question carries 5 Marks).
3. Answer all **Short answers** (Each question carriers 2 Marks)
4. Write the Question followed by Answer.
5. Write the same question numbers as they appear in this question paper.
6. Your answer should be specific to the questions asked.
7. Draw neat labelled diagrams wherever necessary.

Long Essay: Answer **any One** **1X10=10**

1. Define and classify Powders. Discuss bulk powders which are meant for internal and external use.
2. Define emulsions and classify different types of emulsifying agents.

Short Essay: Answer **any Four** **4X5=20**

3. Explain in brief about Young's and Clark's method for converting adult dose into child dose.
4. Write about displacement value and mention its significance.
5. Write in brief about creams and gels.
6. Define incompatibility. Write about therapeutic incompatibility
7. What are liquid dosage forms and explain the advantages and disadvantages of liquid dosage forms.
8. Explain the factors affecting drug permeation through skin.

Short Answers: Answer **All** the questions **5X2=10**

9. Define suppositories.
10. Define lotion. Give example.
11. Define adjusted incompatibilities.
12. Define Gargle. Give examples.
13. What is proof strength of 35 ^{0}/ov/v alcohol?

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B.Pharmacy I Semester Examination – October 2020

TIME: 2 Hours **MAX.MARKS: 40**

SUB: Pharmaceutical Inorganic Chemistry

QP CODE: 11124

Specific Instructions

1. Answer One Question from **Long Essay** (Each question carries 10 Marks).
2. Answer Four Questions from **Short Essay** (Each question carries 5 Marks).
3. Answer all **Short answers** (Each question carriers 2 Marks)
4. Write the Question followed by Answer.
5. Write the same question numbers as they appear in this question paper.
6. Your answer should be specific to the questions asked.
7. Draw neat labelled diagrams wherever necessary.

Long Essay: Answer **any One** **1X10=10**

1. What are impurities? Explain different types and sources of impurities with examples.
2. Discuss briefly about major physiological ions and physiological acid base balance. Write the method of preparation and principle involved in the assay of calcium gluconate.

Short Essay: Answer **any Four** **4X5=20**

3. Write the principle, reactions and procedure involved in the limit test for iron.
4. Write the importance of limit test effects of impurities in drug substances.
5. What are dentifrices? Classify them with example.
6. What are heamatinics? Give the method of preparation ,assay and medicinal uses of ferrous sulphate
7. Explain the method of preparation and assay of ammonium chloride.
8. What are radiopharmaceuticals? Write the precaution to be taken while handling radiopharmaceuticals.

Short Answers: Answer **All** the questions **5X2=10**

9. What is the Role of lead acetate cotton wool in arsenic limit test?
10. State the meaning of the term opalescence and turbidity.
11. What is the basis for fixing the limits for impurities?
12. Write the formula and uses of ORS.
13. What is zinc eugenol cement

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ADICHUNCHANAGIRI UNIVERSITY

B. Pharmacy I Semester Examination – October 2020

TIME: 2 Hours **MAX.MARKS: 40**

SUB: Pharmaceutical Analysis

QP CODE: 11122

Specific Instructions

1. Answer One Question from **Long Essay** (Each question carries 10 Marks).
2. Answer Four Questions from **Short Essay** (Each question carries 5 Marks).
3. Answer all **Short answers** (Each question carriers 2 Marks)
4. Write the Question followed by Answer.
5. Write the same question numbers as they appear in this question paper.
6. Your answer should be specific to the questions asked.
7. Draw neat labelled diagrams wherever necessary.

Long Essay: Answer **any One** **1X10=10**

1. Explain types and sources of errors and methods to minimize them
2. Explain the theories of acid-base indicators with suitable examples

Short Essay: Answer **any Four** **4X5=20**

3. Explain the preparation and standardization of 0.1 N potassium permanganate
4. Write a note on non-aqueous solvent
5. Describe the concept of oxidation and reduction titration
6. Elaborate upon the Volhard's method for estimation of halides
7. Explain the working principle of dropping mercury electrode
8. Write the construction and working of glass electrode

Short Answers: Answer **All** the questions **5X2=10**

9. What are primary and secondary standards
10. Differentiate between acidimetry and alkalimetry titration
11. What is gravimetry
12. Define cerimetry
13. What is electrochemical cell

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