

[KZ 805]

OCTOBER 2011

Sub. Code: 3805

DOCTOR OF PHARMACY (PHARM. D) DEGREE EXAMINATION**FIRST YEAR****PAPER V – PHARMACEUTICAL INORGANIC CHEMISTRY***Q.P. Code: 383805***Time: Three Hours****Maximum: 100 marks****Answer ALL questions in the same order.****I. Elaborate on :****Pages Time Marks
(Max.) (Max.) (Max.)**

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| 1. a) What is gravimetric analysis?
Discuss the steps involved in gravimetric analysis. (12) | 17 | 40 min. | 20 |
| b) Discuss about organic precipitants. (8) | | | |
| 2. a) What are antacids? Give the classification of antacids. (3) | | | |
| b) What are the qualities of an ideal antacid? (3) | 17 | 40 min. | 20 |
| c) Give the preparation, identification test, assay and medicinal uses of aluminium hydroxide gel and magnesium carbonate. (12) | | | |

II. Write notes on :

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| 1. Define acidifier. Discuss the preparation, assay and medicinal uses of ammonium chloride. | 4 | 10 min. | 6 |
| 2. Write notes on non-aqueous solvents. | 4 | 10 min. | 6 |
| 3. Explain the role of fluorides as anticaries agents. | 4 | 10 min. | 6 |
| 4. Write a note on respiratory stimulants with an example. | 4 | 10 min. | 6 |
| 5. Explain the physiological role of Iron and copper. | 4 | 10 min. | 6 |
| 6. What are cathartics? Give an example. | 4 | 10 min. | 6 |
| 7. How do you minimize errors in pharmaceutical analysis? | 4 | 10 min. | 6 |
| 8. Discuss oral rehydration therapy. | 4 | 10 min. | 6 |
| 9. Describe the principle involved in Modified Volhard's method with an example. | 4 | 10 min. | 6 |
| 10. What are the fundamentals of volumetric analysis? | 4 | 10 min. | 6 |
