

AV – 2467

First Year Pharm. D. Examination

PHARMACEUTICAL INORGANIC CHEMISTRY

Paper - 1.5

(USC – 35112)

P. Pages : 2

Time : Three Hours]

[Max. Marks : 70

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- Note :** (1) Answer any **Five** question from Q. No. **Two** to **Nine**.
(2) Question No. **One** is compulsory.
(3) Due credit will be given to neatness and adequate dimensions.
(4) Illustrate your answer wherever necessary with the help of neat sketches.
(5) Use pen of Blue/Black ink/refill only for writing the answer book.

1. Solve any **Three** questions :

- (a) Define 'Errors' and classify them.
- (b) What are saline cathartics ? Explain their mechanism of action.
- (c) Write a note on-Pharmaceutical Buffers.
- (d) Explain 'Radiation Dosimetry'. 15

2. Explain neutralisation curves giving suitable example. 11

3. Classify precipitation titrations. 11

4. What are metalochrome indicators. Describe the types of complexometric titrations. 11

5. Explain the physiological role of following :

- (i) Iron.
- (ii) Copper. 11

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6. Describe the methods of end point detection in Redox Reactions. 11
7. Highlight the features of Dental Products. 11
8. (a) Explain the theory of indicators.
(b) Write a note on-Limit Test for Iron. 11
9. Define 'Antimicrobial agent' Explain the mechanism of action of antimicrobials. 11

