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Total No. of Questions : 10] [Total No. of Pages : 02

B.PHARMACY (Sem. - 1st)
PHARMACEUTICAL CHEMISTRY - I
INORGANIC PHARMACEUTICAL CHEMISTRY

SUBJECT CODE :PHM - 1.1.4

Paper ID : [D0105]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours **Maximum Marks : 80**

Instruction to Candidates:

1) Section - A is **Compulsory.**
2) Attempt any **Four** questions from Section - B.
3) Attempt any **Three** questions from Section - C.

Section - A

Q1) *(15 × 2 = 30)*

a) What is the source and biological importance of iron.

b) What are the degradation products of boric acid on heating.

c) Name any four compounds used as antacid.

d) What is the difference between general and local anaesthetics.

e) What are anticaries agents.

f) Define limit tests and give its pharmaceutical importance.

g) What are buffers and give its pharmaceutical importance.

h) Why dil. nitric acid is added in the limit test for chloride.

i) What is the composition of silicon polymers.

j) Why KI is added in the preparation of iodine solutions.

k) Why glycerol is added in the assay of boric acid.

l) How you can prepare 0.1 N NaOH solution.

m) What are topical agents, give examples.

n) What is the difference between antiseptic and disinfectants.

o) Give method of preparation of Ammonium Hydroxide.

Section - B

(4 × 5 = 20)

Q2) What are antidotes and how you can manage cyanide poisoning.

Q3) What are antacids give examples and why combination therapy is adopted.

Q4) Write down the principle involved in the limit test for iron.

Q5) Give the method of preparation and uses of the following :

(i) $CacL_2$

(ii) $Na_2S_2O_3$

Q6) What are antimicrobials, classify them with examples.

Section - C

(3 × 10 = 30)

Q7) (a) What are Astringents, give examples, give the method of preparation of any two compounds.

(b) Write a note on expectorants.

Q8) Write a note on :

(a) Radio Pharmaceuticals.

(b) Suspending agents.

Q9) (a) What are major intra and extracellular electrolytes.

(b) What do you mean by O.R.S.

Q10) Write on the preparation, properties and uses of the following :

(a) Iodine solution.

(b) Bleaching powder.

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