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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharmacy (Sem.–3)

PHARMACEUTICAL ANALYSIS-II

Subject Code : PHM-234

Paper ID : [D0115]

Time : 3 Hrs. Max. Marks : 80

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

SECTION-A

Q1) Answer briefly :

a) Masking agents

b) Specific conductance

c) Significance of salt bridge

d) S.H.E

e) Protophilic solvents

f) Rf factor

g) Indicator electrodes

h) Retention volume

i) Role of guard column

j) Standard potential

k) Partition coefficient

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l) pH meter

m) Metal ion indicators

n) Derivatisation of sample in gas chromatography

o) Structure and name of any two sequestering agents

SECTION-B

Q2) Explain briefly oxygen flask combustion.

Q3) Discuss various types of titration curves in complexometric titrations.

Q4) Write a note on detectors used in gas chromatography.

Q5) Write a short note on column chromatography.

Q6) Discuss amperometric titrations. Also, give applications of the same.

SECTION-C

Q7) What is Ilkovic equation? Explain various factors affecting Ilkovic equation.

Q8) Give principle and pharmaceutical applications of HPLC.

Q9) Write notes on:

a) Kjeldahl nitrogen estimation

b) Gasometry

Q10) Explain principle and instrumentation involved in HPTLC giving a well labeled diagram.

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