Post Graduate Diploma in Chemoinformatics
Annual Examinations – 2006

Paper: PGDC – 105
Chemical Information Sources

Time allowed: Three hours | Maximum Marks: 80

SECTION –I

Q1. Attempt all the objective type questions given below: 1X20= 20

i) HTML stands for _____.
ii) What is secondary literature?
iii) Name different types of publications.
iv) What is WIPO?
v) _____ is used to protect creative arts.
vi) Name different types of structure searches.
vii) Name two specialized abstracting services.
viii) What is CAS REACT?
ix) What is the role of news administrator?
x) Usenet was originally developed in _____ computers.
xi) Secondary tools are also referred to as GUIDES. True or False.
xii) What is trn?
xiii) _____ is a catalogue for commercially available chemicals, enzymes and proteins.
xiv) Technical reports are published through the _____.
xv) Patents can often be accessed via a commercial vendor such as _____ and _____.
xvi) CA File contains _____ of original literature.
xvii) Chemical Abstract Service is a division of _____.
xviii) What is PDB File?
xix) Define Chemo metrics?
xx) State "The chemists code of conduct" given by American Chemical Society.

SECTION – II

Q2. Attempt any six questions. All questions carry equal marks. 5X6= 30

i) Write short note on:
   a. Peer Review
   b. Impact Factor
ii) Describe various advantages and disadvantages of electronic journals.
iii) Describe different types of electronic publications.
iv) Explain shape-based searches (3-D) taking Catalyst/SHAPE as an example.
v) What is STN? Describe its uses?

vi) Briefly explain different sources of accessing physical property information.

vii) Write short notes on:

a. Trade Secrets

b. Trademark

viii) Explain how synthesis or reactions of specific compounds can be searched.

SECTION – III

Q3. Attempt any three questions. 10X3= 30

i) What is patenting and what are its essential criteria? Describe the procedure for getting a patent.

ii) Describe how substructure searching is done in chemical abstracts.

iii) What is analytical chemistry? Explain goals and uses of analytical chemistry.

iv) Write short notes on:

a. Molecular Visualization Tools

b. Visual-Molecular Dynamics