

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 7857

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Unique Paper Code : 2173540016

Name of the Paper : DSE: CHEMICAL PATENT ANALYTICS & IP STRATEGY

Name of the Course : **B.Sc. (Prog.) Analytical Chemistry**

Semester : VIII

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. at an appropriate place on receipt of this question paper.
2. Attempt any FOUR questions in all.
3. All questions carry equal marks.

Q1. (i) Discuss the role of industrial applicability in chemical patents.

(ii) A known drug is given in a new dosage form. Is it patentable or not? Mention reasons in support of your answer.

(iii) Explain the key components of a chemical patent in detail.

(5, 5, 5)

Q 2. (i) How would you conduct a patent search for a newly developed pharmaceutical compound?

(ii) Why are Markush structures used in chemical patents?

(iii) Explain the importance of IPC/CPC classification in patent search.

(5, 5, 5)

P.T.O.

Q 3. (i) Explain the complete layout of a chemical patent document with a labelled diagram.

(ii) Draft one independent and one dependent claim for a compound.

(iii) What is the difference between claims and description?

(5, 5, 5)

Q 4. (i).List the main sections of a patent document.

(ii) Describe how experimental data strengthens a patent?

(iii) What is the difference between patent number and application number? Explain with an example.

(5, 5, 5)

Q 5. (i) What do you understand by University-Industry collaborations?

(ii) List any three challenges in UIC.

(iii) Evaluate the role of UIC in Make in India/innovation ecosystem.

(5, 5, 5)

Q 6. (i) Why do industries collaborate with universities?

(ii) Explain Markush claim language with examples.

(iii) Write a short note on Novartis Glivec case.

(5, 5, 5)