[Total No. of Questions - 18] [Total No. of nted Pages - 2] (2066)

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B. Pharmacy 8th Semester Examination Industrial Phamacognosy (NS)

BP-484

Time: 3 Hours

Max. Marks: 70

The candidates shall limit their answers precisely within the answerbook (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note: Attempt any two questions from Section-A, any eight questions from Section-B and Section-C is compulsory.

SECTION - A

- Discuss the laboratory requirements and media used for the plant tissue culture technique and explain the secondary product formation by cell suspension culture.
- 2. Give the industrial method of isolation and estimation of
 - (a) Sennosides.
 - (b) Diosgenin
- 3. Describe the Principles, Rationales and technology involved in the production of Herbal cosmetics. (10×2=20)

SECTION - B

- 4. Give a brief account of neutraceuticals with examples.
- 5. Write a short note on Hairy Root Culture.
- 6. Describe the advantages and disadvantages of chemotaxonomy.

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- 7. Write a brief note on production and importance of solanaceous alkaloids.
- 8. Give the composition and uses of mentha oil.
- 9. Describe various raw materials used in formulation of herbal shampoos.
- 10. Write down the importance of Cinchona in relation to its trade.
- 11. Describe various herbal photosensitising agents.
- 12. Write a note on fungal toxins.
- Write a brief note on plant breeders rights with reference to phytoconstituents. (5×8=40)

SECTION - C

- 14. Mention the important chemical constituents of sandalwood oil.
- 15. Mention the uses of taxol.
- 16. Name various plants used as hair darkeners.
- 17. Name two semisynthetic derivatives of podophyllotoxin and their uses.
- 18. Write down the principle underlying the technique of immobilization of cells. (5×2=10)