



Sessional II (Even) Semester Examination, May 2025

Roll no.....

Name of the Course and semester: B.Pharm. VI

Name of the Paper: Herbal Drug Technology

Paper Code: BP 603 T

Time: 1.5-hour

Maximum Marks: 30

Note:

- (i) This question paper contains three sections.
- (ii) All the questions are compulsory.

Section-A

Q1. Multiple Choice Questions – Attempt all questions

(10 X 1 = 10 Mark)

- a) Which of the following is a natural sweetener commonly used as a herbal excipient?
 - i. Stevia
 - ii. Magnesium stearate
 - iii. Talc
 - iv. Sodium benzoate

(CO3)
- b) Acacia is primarily used as which type of excipient in herbal formulations?
 - i. Disintegrant
 - ii. Colorant
 - iii. Binder
 - iv. Preservative

(CO3)
- c) Which natural substance is often used as a viscosity builder in syrups?
 - i. Xanthan gum
 - ii. Menthol
 - iii. Citric acid
 - iv. Pectin

(CO3)
- d) Which of the following is a natural colorant derived from plants?
 - i. Erythrosine
 - ii. Curcumin
 - iii. Tartrazine
 - iv. Brilliant blue

(CO3)
- e) Phytosomes are best described as:
 - i. A type of syrup formulation
 - ii. A novel dosage form for enhancing herbal drug bioavailability
 - iii. A herbal disintegrant
 - iv. A traditional tablet

(CO3)

- f) ICH stands for: (CO4)
- International Council for Herbalism
 - International Council for Harmonisation
 - Indian Council for Homeopathy
 - International Community of Herbs
- g) Stability testing of herbal drugs is important for determining: (CO4)
- Marketing value
 - Shelf life and storage conditions
 - Taste and color only
 - Advertising potential
- h) According to WHO, herbal drugs should be evaluated for: (CO4)
- Only clinical efficacy
 - Only stability
 - Quality control, toxicology, and clinical trials
 - Label attractiveness
- i) ICH Q1A guideline is associated with: (CO4)
- Toxicological testing
 - Clinical trial design
 - Stability testing of new drug substances and products
 - Pharmacopoeial standards
- j) Photostability testing evaluates the effect of: (CO4)
- Temperature
 - Humidity
 - Light exposure
 - Mechanical stress

Section B

Q. 2 Short Questions: Attempt any two questions

(2X 5 = 10 Marks)

- Discuss the role of natural gums and colors in skin care products with examples. (CO3)
- Enumerate the WHO guidelines for the assessment of herbal drugs. (CO4)
- What are the basic regulatory requirements for manufacturing ASU drugs in India? (CO4)

Section C

Q. 3 Long questions: Attempt any one question

(1X10 = 10 Marks)

- Define herbal excipients and discuss their significance with appropriate examples. (CO3)
- Explain the ICH guidelines for stability testing of herbal formulations. (CO4)