

23124

3 Hours / 80 Marks



20113

Seat No. 

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- Instructions* –
- (1) All Questions are Compulsory.
  - (2) Answer each next main Question on a new page.
  - (3) Illustrate your answers with neat sketches wherever necessary.
  - (4) Figures to the right indicate full marks.
  - (5) Assume suitable data, if necessary.
  - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.
  - (7) In case student has attempted sub-questions of question no. 3 more than once, only first attempt should be considered for assessment.

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**Marks**  
**30**

1. **Answer any SIX of the following :** [Visit: https://pharmacyindia.co.in](https://pharmacyindia.co.in)
- a) What are Nutraceuticals and Antioxidants. Give therapeutic applications of both.
  - b) Write biological source, chemical constituents, commercial preparations, therapeutic uses and cosmetic uses of Almond oil.
  - c) Give principle in detail about Homeopathic system of medicine.
  - d) Define Laxatives. Give examples of it. Give synonym Biological source and chemical constituent of any one drug.
  - e) Give Biological source, chemical constituents of Vasaka and Rauwolfia.
  - f) What is crude drug evaluation? Enlist various types of evaluation of crude drug and explain in detail about physical evaluation of crude drug.
  - g) Describe in detail about chemical method of classification of crude drugs with suitable examples and give merits and demerits of it.

2. **Answer any TEN of the following :**
- a) Explain qualitative test for Alkaloids in detail. (Any three)
  - b) Describe novel drug delivery of herbal formulation with its advantages and disadvantages.
  - c) Five role of medicinal and aromatic plant in national economy.
  - d) Write synonym, Biological source and chemical constituent of coriander.
  - e) What are cardiotonics? Enlist 2 examples of crude drug of it and name the drug which gives killer killani test positive.
  - f) Write Biological source, chemical constituent and therapeutic uses of cardamom.
  - g) Give difference between antiseptic and disinfectants.
  - h) Define structure and ligatures. Write ideal requirements of sutures.
  - i) Define glycosides. Classify glycosides on the basis of linkage.
  - j) Define 'Adulteration'. Describe any two methods of adulteration.
  - k) Define 'Pharmacognosy'. Who coined the term pharmacognosy and when.

3. **Answer all questions:**
- a) Write two chemical constituents of Aloe Vera gel.
  - b) Spirulina belongs to which family.
  - c) Define Gutika.
  - d) Silk contains a protein known as .....
  - e) Define carminative.



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Marks

- f) Synonym for black pepper is .....
- g) Family of Asafoetida is .....
- h) Hog Wood is used as synonym for .....
- i) Write two examples of antiseptic crude drug.
- j) Synonym for Ginger is .....
- k) Give one difference between volatile oil and fixed oil.
- l) Palisade ratio is –
- Average number of palisade cells below each upper epidermal cell.
  - Total number of parenchyma cells
  - None
  - Total number of stomata cells.
- m) Give significance of Ash value.
- n) Oleoresins are mixtures of following two
- resin and volatile oil
  - resin and gum
  - resin and benzoic acid
  - resin and cinnamic acid
- o) Name two antimalarial drug.
- p) Following part of vinca is used as medicine source.
- Flower
  - Stem
  - Root
  - Entire plant.
- q) Family of Hyoscyamus is .....
- Solanaceae
  - Umbelliferae
  - Combretaceae
  - Rubiaceae.
- r) Lavender oil belongs to which family.
- Oleaceae
  - Rosaceae
  - Liliaceae
  - Labiatae.
- s) Give two examples of probiotics.
- t) Unani system of medicine based on which theories.