

20113

21222

3 Hours / 80 Marks

Seat No.

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15 minutes extra for each hour

- 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) Use of Non-programmable Electronic Pocket Calculator is permissible.
 - (7) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

- 1. Attempt any SIX of the following. **30****
- a) Write biological source and chemical constituents and uses of Belladonna and Ephedra.
 - b) Explain pharmacological classification of crude drug with merits and demerits.
 - c) Which parameters are consider for the evaluation of crude drug. Write any four methods or adulterations and substitutions.
 - d) Define alkaloids and volatile oil. Explain the tests which performed for the identification of anthraquinone glycosides and tropane alkaloids.
 - e) Define Oxytocics. Explain Ergot cycle with diagram.
 - f) Explain the basic principles involved in Ayurvedic and homeopathic system of medicines.
 - g) Define laxatives. Write chemical tests of
 - i) Turmeric.
 - ii) Asafoetida.

P.T.O.

2. Attempt any TEN of the following.**30**

- a) Define pharmacognosy. Write the name of scientist who described the method of extraction. Also explain galenical pharmacy.
- b) Define Herbal Formulations. Write two examples of herbal solid dosage form. Give therapeutic applications of Garlic.
- c) Explain and write the significance of Ash value and extractive value.
- d) Define surgical dressings. State the Ideal requirements of surgical dressing.
- e) State the therapeutic applications of Ipecac, Artemisia and Ephedra.
- f) Write uses of Spirulina and Prebiotics.
- g) Differentiate between -
 - i) Antiseptics and Disinfectants with examples.
 - ii) Organised and unorganised crude drugs with examples.
- h) Define nutraceuticals and antioxidants. Also give their therapeutic applications.
- i) Define medicinal and aromatic plants. State the role of medicinal and aromatic plants in the national economy.
- j) Write the method of preparation of Arishta and Gutika.
- k) Write biological source and uses of lavender oil and sandal wood oil.

3. Attempt all of the following.**20**

- a) Name the fibre which contain Keratin.
- b) Name the drug called as 'banda soap'.
- c) Write the name or drug having synonym bishop's weed.
- d) Name the drug which contain shogaol.

- e) Which drug use in treatment of Rheumatism.
 - f) Name the drug which contain Reserpine.
 - g) Write the name of drug having synonym puncture vine.
 - h) Give one example of Probiotics.
 - i) In case of vasaka and clove which part of plant is used as drug.
 - j) Write two main constituents of guggul.
 - k) Write two cosmetic uses of olive oil.
 - l) Name the drug which contain alillin.
 - m) Name the drug belonging to combretaceae family.
 - n) Name the drug for which thalloquin test is performed.
 - o) Write one commercial preparation of aloevera gel.
 - p) Name the drug for which killer-killani test is performed.
 - q) Write two main constituents of rosemary oil.
 - r) Name the phytoconstituents for which Libbermann burchard test is performed.
 - s) Give one example of modern herbal for formulation.
 - t) Effleurage method is use for the isolation of which phytochemicals.
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