

B. Pharm. (CBCS Pattern) Semester-VI
BP603T - Herbal Drug Technology

P. Pages : 3

Time : Three Hours



GUG/S/25/14139

Max. Marks : 75

- Notes :
1. All questions carry equal marks.
 2. Diagrams and Chemical equation should be given wherever necessary.
 3. Illustrate your answers wherever necessary with the help of neat sketches.
 4. All question are compulsory.

1. Multiple choice question.

**1x20
=20**

- 1) A pitta is predominant from
 - a) 6.00 am to 10. am
 - b) 10.00 am to 2.00 pm
 - c) 2.00 pm to 6. pm
 - d) 6.00 pm to 10.00 pm
- 2) Asava and Arista is a
 - a) Powder preparation
 - b) Alcoholic preparation
 - c) Decoction preparation
 - d) Creamy preparation
- 3) Tannins are present in
 - a) Grapes
 - b) Blackberries
 - c) Blueberries
 - d) All of the above
- 4) The drug used for Irritable bowel syndrome is
 - a) Ispaghula
 - b) Myrobalan
 - c) Nux-vomica
 - d) Strophanthus
- 5) Which drug is highly cultivated in India?
 - a) Sugarcane
 - b) Tomato
 - c) Turmeric
 - d) Potato
- 6) Drug Interactions of Korean Ginseng
 - a) Albendazole
 - b) Sulfonamide
 - c) Barbiturate
 - d) Lamivudine
- 7) Pepper belong to the family
 - a) Rubiaceae
 - b) Leguminosae
 - c) Liliaceae
 - d) Piperaceae
- 8) Chemically fixed oils and fats are esters of
 - a) Ketone
 - b) Glycerol
 - c) Sugar
 - d) None of above
- 9) Which is not one of the parameter of quantitative chemical tests of fixed oils and fats.
 - a) Viscosity
 - b) Reichert – Meissl value
 - c) Peroxide value
 - d) hydroxyl value
- 10) The Haemolytic index is used for identification of -----
 - a) Tannin
 - b) Saponin
 - c) Volatile oil
 - d) Alkaloids

- 11) Colour of Saffron is due to
 - a) Crocin
 - b) Crocetin
 - c) Both a, b
 - d) None of the above
- 12) Which chemical class compounds are used as perfumes -----
 - a) Alkaloid
 - b) Tannin
 - c) Fixed oil
 - d) Neem oil
- 13) Melting point of spermaceti is -----
 - a) 44°C
 - b) 37°C
 - c) 56°C
 - d) 21°C
- 14) Bioflavonoids are known as ----
 - a) Vit. C
 - b) Vit. P
 - c) Vit. K
 - d) Vit. D
- 15) The sixth international conference of Drug regulatory authorities in -----
 - a) Geneva
 - b) Octawa
 - c) Paris
 - d) Germany
- 16) At the time of submission long term testing and accelerated testing should cover a minimum of
 - a) 9
 - b) 6
 - c) 12
 - d) 16
- 17) Neem used by Indian farmer as a
 - a) Natural Insecticide
 - b) Natural pesticide
 - c) Natural weeds
 - d) Natural antimicrobial
- 18) The stability parameters includes except
 - a) Room temp
 - b) Humidity
 - c) Light
 - d) Dose
- 19) More than five thousand years, India is a supplier of medicinal and fragrant materials to ----
 - a) Greece
 - b) Rome
 - c) Egypt
 - d) All above
- 20) The art of perfume making was first comprehended in -----
 - a) India
 - b) Egypt
 - c) Persia and China
 - d) All of the above

2. Long answer question (Solve **any two)**

**10x2
=20**

- 1) Enumerate the basic concepts, procedure, diagnosis and treatment behind Ayurveda.
- 2) Write down the classification of nutraceuticals and make a note on nutraceuticals for diabetes, GIT disorders.
- 3) What are the good manufacturing practices to be followed production of Indian system of medicine.

3. Short answer question (solve any seven)

**5x7
=35**

- 1) What are the problems being faced in herbal drug industries?
- 2) Define the term
 - i) Patent
 - ii) IPR
 - iii) Biopiracy
- 3) Write short note on patenting aspect of neem.
- 4) What is herbal cosmetics and write down their advantages.
- 5) Define the term Nutraceutical and write about Kavakava.
- 6) Differentiate Asava and Arista.
- 7) Write short note on Churna and avaleha.
- 8) Write about pest and pest management.
- 9) Write short note on Good Agricultural practices for medicinal plants.
