

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

Time : Three Hours



**GUG/S/25/14139(S)**

Max. Marks : 75

Notes :

1. Illustrate your answers wherever necessary with the help of neat sketches.
2. All question are compulsory.

1. Multiple choice question.

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- 1) Herbs are having.  
a) Woods                                      b) Branches  
c) Hard stem                                d) Soft stem.
- 2) Volatile oil containing drug is grinded by.  
a) Cold grinder                              b) Knife Mill  
c) Hammer mill                             d) Sieving
- 3) Arbutin is used as  
a) Bleaching agent                          b) Antioxidant  
c) Preservative                              d) Antimicrobial
- 4) The government of India has published standards on single drug of  
a) 640    b) 540  
c) 500    d) 700
- 5) PLIM stands for.  
a) Pharmacopoeial Laboratory for indigenous medicine.  
b) Pharmacopoeial laboratory for Indian medicine  
c) Pharmacopoeial Laboratory for Individual medicine  
d) None
- 6) The term of registered trademark is  
a) 10 years                                    b) 12 years  
c) 15 years                                    d) 8 years.
- 7) Good clinical practices for ASU drugs is under.  
a) Schedule – T                              b) Schedule – H  
c) Schedule – M                              d) Schedule – Z
- 8) Stress testing is carried out  
a) To determine stability                      b) To determine shelf life  
c) To establish degradation pathway        d) None
- 9) Drugs and cosmetic rules is in the year  
a) 1940    b) 1935  
c) 1945    d) 1950
- 10) NBRI is located in  
a) Jaipur                                        b) Kolkata  
c) New Delhi                                  d) Lucknow

- 11) N-3 – PUFA present in
  - a) Fish
  - b) Fruits
  - c) Vegetables
  - d) Flowers
- 12) Triphala powder contains.
  - a) Amla
  - b) Garlic
  - c) Chicory
  - d) St. John's wort
- 13) Rotenone is used as.
  - a) Inhibition of insect metabolism.
  - b) Enhance of insect metabolism.
  - c) Inhibits nerve impulse
  - d) Enhance acetylcholine action.
- 14) Example of herb is
  - a) Rose
  - b) Mango
  - c) Ginger
  - d) Tulsi
- 15) Extract of tennua is known as.
  - a) Tincture
  - b) Thin extract
  - c) Thick extract
  - d) Oily drug extract.
- 16) Glidants are used in
  - a) Solid dosage form
  - b) Semi – solid dosage form
  - c) Liquid dosage form
  - d) None
- 17) Cochineal is a
  - a) Blue colour
  - b) Red colour
  - c) Green colour
  - d) Violet colour
- 18) Neroli oil is obtained form.
  - a) Champa
  - b) Geranium
  - c) Lavender
  - d) Bitter orange tree.
- 19) In hot and very humid condition, the mean annual temperature is
  - a)  $>22^{\circ}\text{C}|>27\text{ hpa}$
  - b)  $>22^{\circ}\text{C}|<27\text{ hpa}$
  - c)  $>22^{\circ}\text{C}|>37\text{ hpa}$
  - d)  $>22^{\circ}\text{C}|<37\text{ hpa}$ .
- 20) Essentially derived varieties are under
  - a) Form – I
  - b) Form – II
  - c) Form – III
  - d) Form – IV

**2. Long answer questions. (solve any two)**

**20**

- 1) Explain WHO and ICH guidelines for the assessment of herbal drugs.
- 2) Explain preparation and standardization of Aristas and Asavas.
- 3) Write different herbal liquid formulations. Give a detailed account on preparation, standardization and preservation of herbal syrups.

- 1) Explain basic principle of Unani and Homeopathy.
- 2) Explain preparation and Standardization of Lehya and Bhasma.
- 3) What are nutraceuticals? Discuss on the present market scenario and scope of nutraceuticals.
- 4) Explain the health benefits and role of Nutraceutical in cancer.
- 5) Write a short note on binders and diluents used as herbal excipients.
- 6) Write note on SOP.
- 7) Write note on patent and IPR?
- 8) Write note on present scope of herbal drug Industries.
- 9) Add a brief note on storage areas under GMP in herbal drug Industry.

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