

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

P. Pages : 2

Time : Three Hours



**GUG/S/23/14139**

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. **20**
- 1) As per ICH guideline, Accelerated method in refrigerated condition is
    - a)  $25 \pm 2^\circ\text{C} / 70 \pm 5\%\text{RH}$
    - b)  $20 \pm 2^\circ\text{C} / 60 \pm 5\%\text{RH}$
    - c)  $25 \pm 2^\circ\text{C} / 60 \pm 5\%\text{RH}$
    - d)  $20 \pm 2^\circ\text{C} / 80 \pm 5\%\text{RH}$
  - 2) In "cGMP", C stand for.
    - a) Clean
    - b) Common
    - c) Cumulative
    - d) Current
  - 3) AYUSH was renamed in the year.
    - a) 2003
    - b) 2000
    - c) 1995
    - d) 1996
  - 4) Quality control section should be in area of
    - a) 150 sq. feet
    - b) 160 sq. feet
    - c) 200 sq. feet
    - d) 100 sq. feet
  - 5) Biodiversity conservation Act in the year.
    - a) 1998
    - b) 1999
    - c) 1992
    - d) 2000
  - 6) The melting point of Bees was is.
    - a)  $62^\circ\text{C}-65^\circ\text{C}$
    - b)  $50^\circ\text{C}-57^\circ\text{C}$
    - c)  $40^\circ\text{C}-45^\circ\text{C}$
    - d)  $80^\circ\text{C}-85^\circ\text{C}$
  - 7) Vajradanti is used in.
    - a) Hair care
    - b) Skin care
    - c) Dental care
    - d) Eye care
  - 8) The pharmacopoeial laboratory for Indian medicines are established in.
    - a) New Delhi
    - b) Haryana
    - c) Faridabad
    - d) Ghaziabad
  - 9) The term nutraceuticals first given in the year.
    - a) 1998
    - b) 1992
    - c) 1989
    - d) 1987
  - 10) Orisett is belongs to.
    - a) Immune booster
    - b) Glucose management
    - c) Nutrition supplement
    - d) Protein supplement
  - 11) Alfalfa belongs to family.
    - a) Apocynaceae
    - b) Leguminosae
    - c) Liliaceae
    - d) Rubiaceae
  - 12) Green tea interact with warfarin and causes.
    - a) Complex
    - b) Coagulation of blood
    - c) Increases risk of bleeding
    - d) Decrease bleeding
  - 13) Rigveda is related to
    - a) Unani
    - b) Ayurveda
    - c) Siddha
    - d) Homeopathy
  - 14) Example of Rodenticide is.
    - a) Nux vomica
    - b) Red squill
    - c) Tobacco
    - d) a and b both

- 15) Leaching is known as
  - a) Cutting herbs
  - b) Removal of impurities by running water
  - c) Prevent microbial growth
  - d) Harvesting of herbs
- 16) Ghutika is
  - a) Pill
  - b) Paste
  - c) Ointment
  - d) Capsule
- 17) Ischeneer is known as in Siddha system.
  - a) Muscle
  - b) Blood
  - c) Plasma
  - d) Semen
- 18) Bhasma is
  - a) Solid form
  - b) Liquid form
  - c) Semi solid
  - d) Powder form
- 19) Main ingredient of Rajat Bhasma is.
  - a) Silver
  - b) Gold
  - c) Iron
  - d) Copper
- 20) Optimum particle size of Churna is
  - a) 80-100 mesh
  - b) 80-120 mesh
  - c) 80-90 mesh
  - d) 50-60 mesh

**2. Long answer questions solve any two. 20**

- 1) Explain herbal drug preparation with respect to sources, identification and processing of herbals.
- 2) Explain general and legal aspects of Nutraceuticals.
- 3) Define and classify herbal excipients with examples. Describe the role of herbal excipients in cosmetics.

**3. Short answer question solve any seven. 35**

- 1) Explain basic principle of Ayurveda and Siddha.
- 2) Explain preparation and standardization of Ghutika and Churna.
- 3) Write in detail on garlic as a nutraceutical.
- 4) Describe the honey as health food.
- 5) Give the general herbal ingredients of herbal shampoo.
- 6) Give the quality control test for hair care products.
- 7) Briefly explain the patenting aspects of traditional knowledge and natural products.
- 8) Discuss on present scope of herbal drug industries.
- 9) Explain farmer's right.

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