Date:

Test starting Time:

**St Joseph’s University, Bengaluru-27**

B.Sc. (Open Elective) 2 Semester

End Semester Examination: May 2023

**BOOE3: Entrepreneurship in Plant Based Drugs**

Time - 2 hr Max Marks - 60

This question paper contains ONE part and 60 MCQs

**Part A**

1. **Answer the following MCQs 60 x 1 mark = 60 marks**
2. The plant Rauwolfia serpentina is used to treat what condition
   1. Diabetes
   2. High blood pressure
   3. Sleeplessness
   4. Weightloss
3. What is the scientific name of “Ashwagandha”
   1. *Withania somnifera*
   2. *Terminalia cattappa*
   3. *Tridax procumbans*
   4. *Cissus quadrangularis*
4. Ashwagandha is used for what medicinal condition
   1. Diabetes
   2. Sleeplessness
   3. Boost Immune System
   4. Weightloss
5. Ashoka tree is commonly known for
   1. Diabetes
   2. Sleeplessness
   3. Boost Immune System
   4. Stress Relief
6. Scientific name of Ashoka tree is
   1. *Withania somnifera*
   2. *Saraka asca*
   3. *Tridax procumbans*
   4. *Cissus quadrangularis*
7. What is the active ingredient in Turmeric
   1. Curcumin
   2. Piperin
   3. Papain
   4. Nicotine
8. Curcumin is used as supplementary medicine to treat
   1. Dengue
   2. COVID
   3. Cancer
   4. Tuberculosis
9. Which plant part of Crocus sativus is commercially important
   1. Leaf
   2. Seeds
   3. Stigma
   4. Pepper
10. Catharanthus roseus is popularly known for which of its anticancer compound
    1. Vinblastine
    2. Curcumin
    3. Piperine
    4. Papain
11. Which part of Rauvolfia serpentine is used as medicine
    1. Fruit
    2. Flower
    3. Leaf
    4. Root
12. Which of the following medicinal plant is mentioned in the mythological script Ramayana
    1. Ashoka Tree
    2. Ashwagandha
    3. Jasmine
    4. Rose
13. Which of the following medicinal plant is known for weight loss
    1. Ginger
    2. Garlic
    3. Neem
    4. Rose
14. Which of the following medicinal plant is known for relieving stress / depression
    1. Ginger
    2. Garlic
    3. Neem
    4. Tulsi
15. Which of the following medicinal plant is known for Moisturizing nature
    1. Ginger
    2. Garlic
    3. Aloe vera
    4. Rose
16. What is the scientific name of Eucalyptus tree
    1. Tridax procumbans
    2. Saraca asoca
    3. Aloe vera
    4. Eucalyptus globulus

1. Extraction of plants using hot water is which type of method
   1. Decoction
   2. Distillation
   3. Cold press
   4. Maceration
2. Extraction of plants oil using heat is called as
   1. Decoction
   2. Distillation
   3. Cold press
   4. Maceration

1. Which of the following plant is used in extraction of essential oils
   1. Lavender
   2. Ginger
   3. Aloe vera
   4. Coconut
2. Which of the following plant is used in extraction of oil for culinary purpose
   1. Lavender
   2. Garlic
   3. Aloe vera
   4. Coconut

1. Which of the following plant drugs was popular in Tamil Nadu, during COVID pandemic
   1. Tulsi tablets
   2. Nilavembu kashaya
   3. Aduthoda
   4. Ginger
2. Which of the following company uses plants for their products
   1. Himalaya
   2. Biocon
   3. Syngene
   4. REMI
3. Which of the following plant drugs are popular in Karnataka for throat and lung infections
   1. Tulsi tablets
   2. Nilavembu kashaya
   3. Ginger
   4. Adhatoda
4. Which of the following company is NOT a plant based company
   1. Himalaya
   2. Pathanjali
   3. GeNeI
   4. Dabor
5. Extraction of plants using organic solvents (alcohols) is called
   1. Maceration
   2. Decoction
   3. Distillation
   4. Cold press
6. Introducing a new plant-based drug requires \_\_\_\_\_\_ to support the application
   1. Availability of plant in India
   2. Proof of Concept
   3. Extraction Unit
   4. Production Unit
7. Which of the following Traditional System of Medicine originated in South India
   1. Ayurveda
   2. Unani
   3. Yoga
   4. Siddha
8. What is the first official name of AYUSH in 1995 ?
   1. Department of Traditional Medicine System
   2. Department of Traditional Indian System of Medicine
   3. Department of Indian System of Medicine
   4. Department of AYUSH Medicine System
9. Which of the Traditional System of Medicine has drugs made of sugar pellet
   1. Unani
   2. Homeopathy
   3. Siddha
   4. Ayurveda
10. Conventional Medicine means
    1. Folk Medicine
    2. Traditional Medicine
    3. Allopathy Medicine
    4. Ethnobotanical Medicine

1. AYUSH was upgraded into Ministry of AYUSH in which year
   1. 2014
   2. 1990
   3. 2008
   4. 2003

1. Postures of Yoga is called as
   1. Karma
   2. Tridoshas
   3. Dhatus
   4. Asana
2. The knowledge of medicinal plants passed on by ancestors in different culture is called
   1. Ethnobotany
   2. Allopathy Medicine
   3. Traditional Medicine
   4. Orthodox Medicine
3. The oldest evidence of Medicinal Plants usage by humans was found on
   1. Sumerian clay slab
   2. Temple Inscriptions
   3. Religious Scriptures
   4. Cave Paintings

1. The oldest evidence of Medicinal Plants use in China is found in \_\_\_\_\_\_\_\_\_\_
   1. The Tang Herbal
   2. The ‘Pen T’Sao’
   3. The Shennong Herbal
   4. The Ebers Papyrus
2. Which of the following statements about Secondary Metabolites is true ?
   1. They are not needed for growth and development
   2. They are main molecules for growth and development
   3. They provide energy and hydration
   4. They help in photosynthesis and respiration
3. The Sumerians and Ancient Greeks used \_\_\_\_\_\_\_\_ extracts for medicinal purpose
   1. Lemon grass
   2. Dry Ginger
   3. Opium Poppy
   4. Olive Oil

1. Which of this Traditional System of Medicine has its origin from Europe
   1. Homeopathy
   2. Siddha
   3. Yoga
   4. Unani
2. “The Knowledge of Life” refers to which Traditional System of Medicine
   1. Unani
   2. Siddha
   3. Ayurveda
   4. Homeopathy
3. Which System of Traditional Medicine primarily focuses on physical exercises
   1. Yoga
   2. Unani
   3. Siddha
   4. Homeopathy

1. The use of plants in food, medicine, clothing and religious rituals is known as
   1. Folk Medicine
   2. Traditional Medicine
   3. Ethnobotany
   4. Tribal Medicine
2. AYUSH was first created in the name of Department of Indian System of Medicine in which year
   1. 1995
   2. 1985
   3. 1975
   4. 2005
3. Department of Indian System of Medicine was renamed in 2003 as what
   1. Ministry of AYUSH
   2. Department of AYUSH
   3. AYUSH Centre
   4. Centre for AYUSH
4. What is the abbreviation for NRHM
   1. National Raw & Herbal Medicine
   2. National Rural & Hill Medicine
   3. National Rural Health Mission
   4. National Rural Health Medicine
5. The oldest medicinal plants record in the Egyptian history was found in \_\_\_\_\_\_\_\_
   1. Sumerian clay slab
   2. The Ebers Papyrus
   3. Pyramid Sculpture
   4. Stone Carvings
6. Which of this statement is true about Primary Metabolites
   1. They play important role in plant defence
   2. They help is reproduction of the organism
   3. They are not needed for growth of the organism
   4. They are needed for growth and life of organism
7. Which of the following are method to extract Phytochemicals
   1. Soxhlet
   2. Maceration
   3. Decoction
   4. All these options
8. The plant secondary metabolites that are medicinally important are called as
   1. Phytochemicals
   2. Plant chemicals
   3. Unique chemicals
   4. None of the options
9. Phytochemicals of plants are unique to \_\_\_\_\_\_\_\_
   1. Specific group of plants (family)
   2. Individual plants
   3. Geographical location
   4. None of the options
10. Traditional Medicines are made of combinations what ingredients
    1. Herbs, Minerals, Fruits
    2. Leaves, Stem and Roots
    3. Herbs, Minerals, Animal Sources
    4. Animal Ingredients, Herbs, Soil
11. ‘Tridoshas’ are found in which Traditional System of Medicine
    1. Ayurveda
    2. Siddha
    3. Yoga
    4. Unani
12. ‘Pranayama’ are found in which Traditional System of Medicine
    1. Ayurveda
    2. Siddha
    3. Yoga
    4. Unani
13. What is one of the unique medicine administrations in Siddha
    1. Mezhugu
    2. Asana
    3. Dhatus
    4. Tridoshas
14. Which system of medicine uses combination of pulse, urine, tongue, speech, vision, touch and appearance of patients to diagnose diseases
    1. Ayurveda
    2. Siddha
    3. Yoga
    4. Unani
15. Which Traditional System of Medicine, believes that body can heal itself
    1. Ayurveda
    2. Siddha
    3. Yoga
    4. Homeopathy
16. Which of this scheme was introduced by NRHM
    1. Mainstreaming of Ayurveda and Rural medicines to local population
    2. Mainstreaming of AYUSH and revitalization of local health traditions
    3. Mainstreaming of Traditional Medicine to the local population
    4. Mainstreaming of Rural Medicines and revitalization of local health traditions
17. Western Medicine refers to
    1. Allopathy medicine
    2. Conventional medicine
    3. Orthodox medicine
    4. All the options
18. What is the most important goal of AYUSH
    1. Organizing workshops and conferences
    2. Commercializing Traditional Medicine
    3. Promoting the 5 Indian Traditional System of Medicines
    4. Survey of medicinal plants in India

1. The popular FDA approved malaria medicine Quinine is present in which plant
   1. Cinchona succirub
   2. Aloe vera
   3. Saraca asoca
   4. None of these options
2. During overseas trade, which country inherited some of Indian Medicinal plants
   1. Africa
   2. Australia
   3. Europe
   4. Arab

1. Which system of medicine uses different temperaments such as cold, hot, wet and dry, for treatment of disease conditions
   1. Yoga
   2. Siddha
   3. Unani
   4. Ayurveda