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| Name: |  UPES <small>UNIVERSITY WITH A PURPOSE</small> |
| Enrolment No: | |

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Theory Examination, May 2022

Course: Herbal Drug Technology

Semester: VI

Program: B. Pharma

Time : 03 hrs.

Course Code: BP603T

Max. Marks: 75

Instructions: Read the Question Paper Carefully.

SECTION A

| S. No. | CO | Multiple Choice Questions (20X1) or Objective type Questions (10X2) | Marks |
|-----------|-----|--|-----------|
| Q1 | | | 20 |
| 1 | CO3 | Vati is another name of A. Resin B. Oil C. Powder D. Tablet | 1 |
| 2 | CO1 | What are Plant incorporated protectants? | 1 |
| 3 | CO1 | Which of the following Dosha is associated movement in body? A) Vatta B) Kapha C) Pitta D) None | 1 |
| 4 | CO3 | What is Ayurvedic preparation "Churan"? | 1 |
| 5 | CO1 | Pheromones are an example of A. Biochemical pesticides B. Microbial pesticides C. PIP D. None | 1 |
| 6 | CO2 | Diluents must be A. Physiologically inert B. Commercially available C. All of above D. None of above | 1 |
| 7 | CO3 | Unani system was originated from A. Greece B. Iran C. India D. China | 1 |

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| 8 | CO4 | St. John's Wort interacts with A. Sedative B. Sleeping pills C. Antidepressant D. Aspirin | 1 |
| 9 | CO3 | Shodhna is another name of A. Decoction B. Infusion C. Filtration D. Purification | 1 |
| 10 | CO2 | Arista is a A. Fermented decoction B. Fermented infusion C. Distillate D. Herbal mineral medicine | 1 |
| 11 | CO5 | What are Plant breeders' rights? | 1 |
| 12 | CO5 | What is Traditional Knowledge? | 1 |
| 13 | CO1 | Write two natural dyes obtained from plants? | 1 |
| 14 | CO2 | Write two advantages of biodynamic agriculture | 1 |
| 15 | CO1 | Write the biological source of Bees wax | 1 |
| 16 | CO4 | What are herb-drug interactions? | 1 |
| 17 | CO5 | What is 'Quarantine Area' in a GMP certified factory premises? | 1 |
| 18 | CO3 | Name 'Tridosha' as per Ayurveda | 1 |
| 19 | CO2 | How are gums and latex collected? | 1 |
| 20 | CO1 | What are sources of herbs or medicinal plants? | 1 |

SECTION B

Long Answers (Answer two out of 3) 2X10

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| Q2 | | | 20 |
| 1 | CO5 | What is Schedule T and its basic principles? | (2+8) |
| 2 | CO4 | Discuss potential of novel dosage forms for herbal drugs and discuss Phytosomes in detail | (5+5) |
| 3 | CO1 | Write a note on herbal excipients, their significance, source, advantages and disadvantages | (2 x 5) |

SECTION C

Short Answers (Answer 7 out of 9) 7X5

| Q3 | | | 35 |
|-----------|-----|--|-----------|
| 1 | CO1 | Write a note on characterization of Bhasma | 5 |
| 2 | CO3 | Elaborate basic principles of Ayurveda | 5 |
| 3 | CO4 | Discuss various types of herb-drug interactions as per Ayurveda with examples | 5 |
| 4 | CO4 | Classify nutraceuticals with examples | 5 |
| 5 | CO2 | Discuss bio-pesticides and their advantages | 5 |
| 6 | CO4 | Write a note on Fenugreek as health food | 5 |
| 7 | CO2 | Discuss standardization of Asavas and Arishtas. | 5 |
| 8 | CO5 | Write a note on Biopiracy | 5 |
| 9 | CO5 | Discuss manufacturing area requirements for Ayurveda, Siddha, and Unani sterile products | 5 |
| | | Total | 75 |