

Enrollment No. _____



**NAVVRACHANA
UNIVERSITY**
a UGC recognized University

School: School of Science
Program/s: MSc. LS
Year: 2nd **Semester:** 3rd
Examination: End Semester Examination
Examination year: December - 2022

Course Code: LS201, **Course Name:** Pharmacognosy

Date: 06/12/2021

Time: 11.30 am to 1.30 pm

Total Marks: 40

Total Pages: 02

→ Write each answer on a new page.

→ * COs=Course Outcome mapping. # BTL=Bloom's Taxonomy Level mapping

| Q. No. | Details | Marks | CO | BTL |
|--------|--|---------|---------------------------------|----------|
| Q.1 | <p>Do as directed</p> <ol style="list-style-type: none"> Define stomatal index. The active principle _____ is present in <i>Picrorhiza</i> rhizome. Ergot is the.....of the fungus <i>Claviceps purpurea</i>. <ol style="list-style-type: none"> vegetative form dried sclerotium ascospore filamentous hyphae Hashish is the of <i>Cannabis sativa</i>. <ol style="list-style-type: none"> gum of the male flowers resin of the female flowers gum of the male and female flowers pressed juice of the leaves The biological source of nux vomica is <ol style="list-style-type: none"> Leaves Roots Dried ripe seeds Bark What part/s of Saffron are used in the market? What causes carrots and apricots to be orange? What is the precursor for C₁₀ terpenoids (<i>monoterpenes</i>)? Define genin. What are the Tridoshas found in Ayurveda? | 1x10=10 | CO1 CO2 CO3 CO4 CO5 | BTL1,2,3 |
| Q.2 | <p>Answer in brief (Any 7)</p> <ol style="list-style-type: none"> Give the pharmacological action of cardiac glycosides. Why has the focus shifted on Alternative Medicinal System from Allopathy? Why are isoflavones important for human health? What are the importance of asexual propagation? | 7x2=14 | CO1 CO2 CO3 CO4 CO5 | BTL1,2,3 |

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|------------|---|---------------|---|-----------------|
| | <p>5. Why is the need for conservation of medicinal plants?</p> <p>6. Give atleast two examples of deliberate adulteration.</p> <p>7. Give information of any two plant hormones used in cultivation of medicinal plants.</p> <p>8. What are the allergens and hallucinogenic plants found in India?</p> <p>9. Which are the natural coloring and flavouring agents used in food?</p> | | | |
| Q.3 | <p>Write short notes on (Any 2):</p> <p>1. Deterioration of stored drugs.</p> <p>2. Factors affecting cultivation of medicinal plants</p> <p>3. Techniques used in Microscopy</p> | 2x3=6 | <p>CO1</p> <p>CO2</p> <p>CO3</p> <p>CO5</p> | BTL1,2,3 |
| Q.4 | <p>Answer in detail (any 2)</p> <p>1. Which are the various systems of classification of crude drugs? Give the merit and demerit of atleast two classification system.</p> <p>2. Describe the Asian Medicine systems which are currently been used by people.</p> <p>3. What are the harvesting procedures according to the WHO guidelines?</p> | 2x5=10 | <p>CO1</p> <p>CO2</p> <p>CO3</p> | BTL1,2,3 |