

Enrollment No. _____



**NAVRACHANA
UNIVERSITY**
a UGC recognized University

School: School of Science
Program/s: MSc. Life Sciences
Year: 2nd **Semester:** 3rd
Examination: End Semester Examination
Examination year: December - 2021

Course Code: LS201, **Course Name:** Pharmacognosy.
Date: 02/12/2021
Time: 8.30am to 10.30 am

Total Marks: 40
Total Pages: 02

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- All the Questions are Compulsory
 - Please read the questions carefully and answer accordingly
 - Draw a neat and labeled diagram wherever necessary
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Q. No.	Details	Marks	CO	BTL
Q.1	Do as directed 1. Define palisade ratio 2. The active principle _____ is present in <i>Picrorhiza</i> rhizome. 3. Ergot is the.....of the fungus <i>Claviceps purpurea</i> . a) vegetative form b) dried sclerotium c) ascospore d) filamentous hyphae 4. Hashish is the of <i>Cannabis sativa</i> . a) gum of the male flowers b) resin of the female flowers c) gum of the male and female flowers d) pressed juice of the leaves 5. The biological source of nux vomica is a) Leaves b) Roots c) Dried ripe seeds d) Bark 6. What part/s of Saffron are used in the market? 7. What causes carrots and apricots to be orange? 8. What is the precursor for C ₁₀ terpenoids (<i>monoterpenes</i>)? 9. Define genin. 10. What are the Tridoshas found in Ayurveda?	1x10=10	CO1 CO2 CO3 CO4 CO5	BTL1,2,3

Q.2	Answer in brief (Any 7) 1. Give the pharmacological action of cardiac glycosides. 2. Why has the focus shifted on Alternative Medicinal System from Allelopathy? 3. Why are isoflavones important for human health? 4. What are the importance of asexual propagation? 5. Why is the need for conservation of medicinal plants? 6. Give atleast two examples of deliberate adulteration. 7. Give information of any two plant hormones used in cultivation of medicinal plants. 8. What are the allergens and hallucinogenic plants found in India? 9. Which are the natural coloring and flavouring agents used in food?	7x2=14	CO1 CO2 CO3 CO4 CO5	BTL1,2,3
Q.3	Write short notes on (Any 2): 1. Deterioration of stored drugs. 2. Factors affecting cultivation of medicinal plants 3. Techniques used in Microscopy	2x3=6	CO1 CO2 CO3 CO5	BTL1,2,3
Q.4	Answer in detail (any 2) 1. Which are the various systems of classification of crude drugs? Give the merit and demerit of atleast two classification system. 2. Describe the Asian Medicine systems which are currently been used by people. 3. What are the harvesting procedures according to the WHO guidelines?	2x5=10	CO1 CO2 CO3	BTL1,2,3