

C.U.SHAH UNIVERSITY

Summer Examination-2018

Subject Name: Pharmacognosy I

Subject Code: 4PS02COG1

Branch: B.Pharm

Semester: 2

Date: 04/05/2018

Time: 10:30 To 01:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1 Attempt the following questions:

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Define the following:

- a) Crystal sheath b) Crude Drug c) Vein termination number d) Corolla e) Androceium
 f) Plant Tissue Culture g) Stomatal index h) Inflorescence i) Senescence j) Hybridization
 k) Stomatal number l) Plant hormones m) Allopathic formulation n) Homeopathic medicine

Attempt any four questions from Q-2 to Q-8

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|-----|---|--|---|
| Q-2 | a | What are Trichomes? Write different types of trichomes and their function in plants | 7 |
| | b | Explain floral formula and draw floral diagram of Apocynaceae family with examples | 7 |
| | a | Explain floral formula and draw floral diagram of Papaveraceae family with examples | 7 |
| Q-3 | b | Explain factors affecting cultivation of crude drugs? Give significance of factors on cultivation of crude drugs? | 7 |
| Q-4 | a | Define Polyploidy and Mutation with suitable examples? | 7 |
| | b | Enumerate the sources of crude drugs and explain any one giving examples. | 7 |
| | a | Explain floral formula and draw floral diagram of Graminae family with examples | 7 |
| Q-5 | b | Define quantitative microscopy with examples? Give importance of quantitative microscopy in standardization of leaf drug by taking examples? | 7 |
| Q-6 | a | Explain terms Organized and Unorganized crude drugs stating examples. | 7 |
| | b | Explain importance of herbal drugs in national economy | 7 |
| Q-7 | a | What are plant hormones? Add note on growth regulators and their applications. | 7 |
| | b | Define Pharmacognosy. Discuss its scope in detail elaborating its relation to allied fields. | 7 |
| Q-8 | a | Explain Siddha and Allopathic system of medicine. | 7 |
| | b | Explain in detail Physical parameters of quality control parameters for crude drug | 7 |

