

QP CODE: 212330

Reg. No:.....

**Second Semester M. Pharm Degree Regular/Supplementary Examinations  
May 2022**

**M.Pharm (Pharmacognosy)**

**Paper II: Advanced Pharmacognosy II (MPG 202T)**

**Time: 3 Hours**

**Total Marks: 75**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essays**

**(3x10=30)**

1. Describe in detail about *in vivo* screening methods of natural products for their anti-diabetic activity.
2. Describe the analytical profiles of *Emblica officinalis* and *Andrographis paniculata*.
3. Discuss about the pharmacodynamic and pharmacokinetic issues of herbal drugs

**Short Notes**

**(9x5=45)**

4. *In vitro* evaluation of herbs for antimicrobial activity.
5. Toxicity study as per OECD guidelines.
6. Phytotoxins.
7. Sampling procedures.
8. DNA finger printing techniques.
9. Role of ethno pharmacology in drug evaluation.
10. Determination of foreign matter
11. Validation of herbal therapies.
12. Types of adulteration and substitution in natural products

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