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Paper Id:

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Sub Code: MPG: 202

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M.Pharm (Pharmacognosy)
(SEM-II) THEORY EXAMINATION 2017-18
ADVANCED PHARMACOGNOSY-II

Time: 3 Hours

Total Marks: 70

- Note:** 1. Attempt all Sections. If require any missing data; then choose suitably.
2. Any special paper specific instruction.

SECTION A

1. **Attempt all questions in brief.** **2 x 7 = 14**
- a. Define the term Ethnobotany.
 - b. Mention the chemical nature of Diosgenin.
 - c. Write down the chemical test for Withanolides.
 - d. Define the term OECD.
 - e. Mention any two *in-vitro* models of antidiabetics
 - f. What is the difference between α - carotene and β - carotene
 - g. Define the term bioprospecting.

SECTION B

2. **Attempt any three of the following:** **7 x 3 = 21**
- a. What are the various effects caused by herbal medicines: How will you correlated them with clinical aspects?
 - b. Explain the isolation of Hesperidin with its chemistry?
 - c. Mention the screening methods employed for antifertility evaluation of crude drugs.
 - d. Mention the impact of ethnobotany in traditional medicine.
 - e. What are the steps initiated by AYUSH for safety monitoring of natural drugs?

SECTION C

3. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) Mention the health benefits of Cholecalciferol, Quercetin and Limonene in detail
 - (b) Explain in detail about WHO guidelines with respect to pharmacovigilance of natural drugs.
4. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) Mention the reporting schemes for bio-drug adverse reactions in detail.
 - (b) What is the role of Investigator and sponsor in pharmacovigilance?
5. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) What are the various tools required for determining drug discovery?
 - (b) What are the various regulations involved in dispensing of herbal drugs?
6. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) What are the steps involved in the standardization of a market formulation.
 - (b) What are the safety monitoring procedures with respect to herbal drugs?
7. **Attempt any one part of the following:** **7 x 1 = 7**
- (a) Write in detail about the various models for screening antihepatotoxic drug.
 - (b) Mention the screening methods employed for antifertility evaluation of crude drugs.