**M. Pharm 1st Semester Examination**

**Subject- Advanced Pharmacognosy-I (MPGI02T)**

 **Full Marks- 75 Time – 3 hours**

 **Answer any five questions:**

**1. Enumerate the general guidelines of current Good Agricultural Practices. Write a note on Indian council of Agricultural Research. (15)**

**2. Discuss the recent advances in research on marine drugs. Explain the problems faced in research on marine drugs. (15)**

**3. Discuss the current trends and future scope of Nutraceuticals. Enumerate FSSAI guidelines with respect to Nutraceuticals. (15)**

**4. Enumerate WHO guidelines for safety monitoring of natural medicine. Explain the bio drug-drug interactions with suitable examples. (15)**

**5. Write down the occurrence, isolation, chemical nature and medicinal uses of following phytopharmaceuticals. (5x3=15)**

 **(a) Rutin**

 **(b) Ellagic acid**

 **(c) Andrographolide**

**6. Write short-note on following Nutraceuticals. (5x3=15)**

 **(a) Vitamin Supplements**

 **(b) Dietary fibres**

 **(c) Polyunsaturated fatty acids**

 **7. Write a short note on Followings. (5x3=15)**

 **(a) Marine toxins**

 **(b) Spirulina**

 **(c) Carotenoids**