Printed Pages: 01 **Sub Code: MPA204T**

Paper Id: 256208 **Roll No.** | | | | | | | | | | |

M PHARM
(SEM-II) THEORY EXAMINATION 2018-19
HERBAL AND COSMETIC ANALYSIS

Time: 3 Hours ***Total Marks: 75***

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. **10 x 2 = 20**

a. Describe the misbranded drugs as per Section-33E.
b. What are the different guidelines used to standardize herbal products.
c. What is EMEA?
d. What are different conditions of adulteration?
e. How will you collect the samples for determination of foreign matter in crude drugs?
f. What is SSR technique and what is the drawback of this technique?
g. What is ADR monitoring system?
h. Define precipitant.
i. What happens when Aloe Vera interacts with antidiabetic drugs?
j. Define saponification value.

www.aktuonline.com

SECTION B

2. Attempt any *two* parts of the following: **2 x 10 = 20**

a. Discuss in detail about efficacy of herbal products.

b. Discuss in detail about the regulatory requirements for setting herbal drug industry.

c. Give a detail account on role of modern analytical techniques in detection and quantitation of adulterants.

SECTION C

3. Attempt any *five* parts of the following: **7 x 5 = 35**

a. Give a detail account on WHO guidelines for standardization of herbal medicinal products.

b. Discuss in detail about Indian and international patent law as applicable to herbal drugs.

c. Discuss in detail about DNA finger printing and its application in herbal drug standardization.

d. Give the protocol for stability testing of natural products and outline the regulation and dispensing of herbal drugs.
e. Discuss briefly WHO and AYUSH guidelines for safety monitoring of natural medicine.
f. What do you mean by personal hygiene preparations? Give the general methods of analysis of raw material used in cosmetic manufacture as per BIS.
g. Discuss in detail about bio drug-drug and bio drug-food interactions with suitable examples.