



HS-02011245

Seat No. _____

M. Pharm. (Sem. III) (CBCS) Examination

June / July - 2017

Herbal Drug Technology

[Core - VII]

Time : 3 Hours]

[Total Marks : 80

- Instructions :**
- (i) Answer and tie both the sections separately.
 - (ii) Figures to the right indicate marks.
 - (iii) Answer any three from each section except 1 and 5 are compulsory.
 - (iv) Draw neat and clean diagram when required.

SECTION - I

- 1 Answer any seven out of given 10 questions : 2×7=14
- (1) Why stability study is important in herbal drug ?
 - (2) Explain PUFA and its importance.
 - (3) Why preservatives are included in herbal formulations.
 - (4) Merits of polyherbal formulations.
 - (5) Enlist numerical factor for identification of leaf drugs.
 - (6) What is DHA ? Explain its importance.
 - (7) Differentiate - nutraceutical and functional food.
 - (8) Define Standardization of herbal drugs.
 - (9) Define herb, herbal drug, Ayurvedic drug and crude drugs.
 - (10) Differentiate - decoction and infusion.
- 2 Answer the following :
- (1) Explain in detail extraction methods for essential / volatile oils. 7
 - (2) Detail note on : Super critical fluid extraction method. 6

- 3 Answer the following :
- (1) Write note on Phytoequivalence and Pharmaceutical equivalence. 7
- (2) Define antioxidants. Write note on antioxidant as a nutraceuticals. 6
- 4 Answer the following :
- (1) Determination of Ash value and Extractive value with its significance. 7
- (2) Note on source and description of raw materials as a perfumes and preservative. 6

SECTION - II

- 5 Answer any two out of three : 7×2=14
- (1) Selection criteria for solvent in extraction of herbals.
- (2) Explain Soxhlet extraction with proper diagram and merits, demerits.
- (3) Note on pharmacovigilance and explain herbal drug interaction with example.
- 6 Answer the followings :
- (1) Discuss standardization parameter for Asava and Arista. 7
- (2) Write note on monoherbal and polyherbal formulations with merits and demerits. 6
- 7 Answer the followings :
- (1) Write a note on herbal Hair products. 7
- (2) Role of natural product in herbal medicine. 6
- 8 Answer the followings :
- (1) Note on Herb as a nutraceuticals. 7
- (2) Write note on Probiotics, Prebiotics and dietary fibres. 6