

Total No. of Questions : 4]

SEAT No. :

P3993

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[5246]-221

M.Pharmacy (Semester - I & II)
QUALITY ASSURANCE TECHNIQUES IN HERBAL
PRODUCTS
(2013 Pattern)

Time : 3 Hours]

[Max. Marks : 50

Instructions to the candidates:

- 1) *All questions are compulsory.*
- 2) *Neat diagrams must be drawn wherever necessary.*
- 3) *Figures to the right indicate full marks.*

Q1) State the term stability Testing and provide stability issue guidelines for studies related to herbal formulations along with their significance. **[10]**

Q2) Attempt any three questions of following: **[15]**

- a) Explain elements of QA with reference to quality management.
- b) Explain in brief equipment URS and qualification.
- c) Provide information on Analytical method development guidelines for modern Herbal formulations.
- d) Provide information on storage of Herbal raw materials and Herbal products.

Q3) Write short note on (any three): **[15]**

- a) Primary and Tertiary packages.
- b) Compendial methods for evaluation of Herbal Formulations.
- c) Standardization of Herbal products with reference to WHO guidelines.
- d) Australian guidelines for Herbal products.

Q4) Explain in detail Quality control and standardization of medicinal plant and plant based products. **[10]**

OR

Explain in detail infrastructural development and Facility required for processing of Herbal products along with cleaning. Pulverization and processing of Herbal products.

