

KULABA (2012 - COURSE) : SUMMER – 2017
SUBJECT : RASA SHASTRA : PAPER - I

Day : Monday
Date : 19/06/2017

Time : 10.00 AM TO 01.00 PM
Max. Marks : 100

N. B. ;

- 1) Figures to the right indicate **FULL** marks.
- 2) Draw neat and labelled diagrams **WHEREVER** necessary.

Long Answer Questions (Any THREE out of four) (3 × 20 = 60)

- 1) Write in detail about standard operating procedure of processing, quality control and standardization of Pottali kalpa.
- 2) Write short essay on 'History and chronological evolution of Rasashastra'.
- 3) Elaborate with examples – Importance of Samskaras in Ayurvedic Aushadhikarana.
- 4) Describe any three modern machines used in Ayurvedic pharmacies for large scale production of Guti – Vati (pills and tablets)

Short Answer Questions (Any TWO out of three) (2 × 10 = 20)

- 5) Write Bhasma Pariksha Vidhi and its significance in relation to contemporary testing procedures.
- 6) Describe Geo-chemical/mineralogical identification of Shilajatu.
- 7) Elaborate with examples concept of pratinidhi (substitute) dravyas in Rasashastra.

Write short notes (Any FOUR out of five) (4 × 5 = 20)

- 8) Sattvpatan
- 9) Importance of Bhavana
- 10) Tamrabhasma Amritikaran method
- 11) Speciality of Rasa-Ratna-Samuchchaya in ayurvedic pharmaceuticals
- 12) Chemical composition of Kapardika and Godanti Bhasma

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KULABA (2012 - COURSE) : SUMMER – 2017
SUBJECT : BHAISHAJYA KALPANA : PAPER - II

Day : Tuesday
Date : 20/06/2017

Time : 10.00 AM TO 01.00 PM
Max. Marks : 100

N. B. ;

- 1) Figures to the right indicate **FULL** marks.
- 2) Draw neat and labelled diagrams **WHEREVER** necessary.

Long Answer Questions (Any THREE out of four) (3 × 20 = 60)

- 1) Describe chronological development of Bhaishajya Kalpana with special reference to Charaka Samhita, Sharangadhar Samhita and modern pharmacy.
- 2) What are the extractions followed in Ayurveda? Describe the procedures of water soluble extraction system in Ayurveda. Write the types and steps of extraction process.
- 3) Define Churna Kalpana. Write the preparation, anupana and dose of Churna Kalpana. Describe preparation with principles and standard parameters of Powders.
- 4) Define Snehakalpana. Write different methods of preparation of Sneha Kalpana with proper justification of the completion tests. Describe the signs and uses of the different Sneha Paka with reference to biological activity.

Short Answer Questions (Any TWO out of three) (2 × 10 = 20)

- 5) Write ancient and modern preservation methods for Ayurveda formulations.
- 6) Write a note on derivatives of Kwatha kalpana with reference to their application as Pathya.
- 7) Differentiate between Rasakriya and Avaleha kalpana. Elaborate in detail about Avaleha kalpa manufacturing methods with appropriate two examples.

Write short notes (Any FOUR out of five) (4 × 5 = 20)

- 8) The suitable storage conditions for Lavan and Kshar formulations.
- 9) Disintegration time of Guggulu preparations and probable solution.
- 10) Evaluation parameters for Lepa and Malahar kalpa.
- 11) Collection of used parts of plants with scientific basis.
- 12) Dose selection according to Ayurveda and modern methods.

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RAVI (2012 COURSE : SUMMER – 2017)
SUBJECT: PAPER – II: RASA SHASTRA & BHAISHAJYA KALPANA

Day : Wednesday

Time: 10.00 AM TO 01.00 PM

Date : 21/06/2017

Max. Marks: 100

N. B. :

- 1) All questions are **COMPULSORY**.
- 2) Answers to both the sections should be written in **SEPARATE** answer books.
- 3) Draw neat and labelled diagram **WHEREVER** necessary.

SECTION – A

Long Answer Questions (LAQ) 2 × 15 = 30 marks.

- Q. 1 Elaborate importance of 'Kaal', 'Sanskar' and 'Yukti' in formulation (15)
development with special reference to dosage forms from Bhaishajya
Kalpana.
- Q. 2 Elaborate concept of Marana in Rasashastra with one example each of (15)
mineral drug and Sudha Varga drug.

Short Answer Question (SAQ) 1 × 10 = 10 marks.

- Q. 3 Write about concept of Rashashala as per Rasagrantha and its applicability (10)
in today's scenario.

Short Notes 2 × 5 = 10 marks.

- Q. 4 Write short notes on **ANY TWO** out of **THREE**: (10)
- a) Importance of Rasa Tarangini in Ayurvedic pharmaceuticals
 - b) Importance of Rasa Ratna Samuchhaya in Ayurvedic pharmaceuticals
 - c) Importance of Sharangdhara Samhita in Ayurvedic pharmaceuticals

SECTION - B

Long Answer Questions (LAQ) 2 × 15 = 30 marks.

- Q. 5 Describe Absorption, Distribution, Metabolism and Excretion as stated in (15)
modern pharmacology.
- Q. 6 Write in detail about toxicity study protocols and their relevance in (15)
evaluation of Ayurvedic formulations.

Short Answer Question (SAQ) 1 × 10 = 10 marks.

- Q. 7 Write in detail about standard analytical testing methods for Ayurvedic (10)
herbal powders.

Short Notes 2 × 5 = 10 marks.

- Q. 8 Write short notes on **ANY TWO** out of **THREE**: (10)
- a) Gas Chromatography
 - b) HPTLC
 - c) ICP Analysis

KULABA (2012 - COURSE) – SUMMER – 2017
SUBJECT : PHARMACOLOGY AND PHARMACY MANAGEMENT : PAPER – IV

Day : Friday
Date : 23/06/2017

Time : 10.00 AM TO 01.00 PM
Max. Marks : 100

N.B.:

- 1) Figures to the right indicate **FULL** marks.
- 2) Draw neat and labelled diagrams **WHEREVER** necessary.

Long Answer Questions (ANY THREE out of Four)

(3 x 20 = 60)

- 1) Define ADR and drug interactions. Describe the drug-drug and drug-food interactions with special reference to the Samyog Viruddha Dravya.
- 2) What is meant by packaging? Write different materials used for containers and different types of containers used for packaging of various formulations.
- 3) Write essay on : Schedule T and GMP.
- 4) Define pharmacovigilance. Discuss detail about present situations regarding pharmacovigilance of ayurvedic drugs.

Short Answer Questions (ANY TWO out of Three)

(2 x 10 = 20)

- 5) Explain with examples about factors modifying drug effect.
- 6) Write short essay on ayurvedic pharmacopeia and formulary.
- 7) Write an essay on role of pharmacy education and variety of job opportunities for pharmacists in the existing market.

Write short notes (ANY FOUR out of Five)

(4 x 5 = 20)

- 8) Intellectual property right and Ayurvedic medicines.
- 9) Acute toxicity study.
- 10) Present status of Ayurvedic medicines in Global market.
- 11) Enlist routes of drug administration as per modern science.
- 12) Phase – II clinical trial.

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