

श्री अश्विनराज १९२१

MD

KULABA - APRIL/MAY-2012 (2009 Course)
SUBJECT: ADHARBHUT SIDDHANT AND PHARMACY MANAGEMENT
PAPER - I

Day: Friday
Date: 01-06-2012

Time: 10:00AM TO 1:00 P.M.
Max Marks: 100

N. B.

1. All questions are **COMPULSORY**
2. Draw neat diagrams wherever necessary.

Raj

Long Essay :

(1×25=25)

- 1) Describe the fundamental principles of bhaishjaya kalpana and rasa shastra with reference to samslesha and vishlesha with suitable examples.

Short Essay :

(1×12.5=25)

- 2) Describe the concept of Aushadha nirmanshala and Ayurvedic pharmacy in accordance with GMP.
- 3) Write the methods of collection, storage and preservation of different fresh and dry drugs.

Short notes:

(5×10=50)

- 4) Marketing services for pharmaceuticals.
- 5) Prevention of food adulteration (PFA) Act
- 6) Ayurvedic Formulary of India
- 7) TKDL
- 8) Laws pertaining to Narcotics
- 9) Route of drug administration
- 10) Importance of terminologies
- 11) Contribution of shrangadhara in B K
- 12) Weight and Measures
- 13) Community Pharmacy

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KULABA - APRIL/MAY-2012 (2009 Course)
SUBJECT: AUSHADHA PRASMSAKARANA
PAPER - II

Day : Saturday
Date : 02-06-2012

Time : 10:00AM-1:00 P.M
Max Marks : 100

N. B.

1. All questions are **COMPULSORY**
2. Draw neat diagrams wherever necessary.

Ras

- Long Essay :** (1×25=25)
- 1) Write the unit processes and enlist the 'yantras' used to carry out those.
- Short Essay :** (1×12.5=25)
- 2) Describe the concept of Samskara with suitable examples especially for Aushadhikarana.
 - 3) Define the concept of Jarana and their importance in present day.
- Short notes:** (5×10=50)
- 4) Principles of classification of Rasa drugs.
 - 5) Concept of minerals and metals identification.
 - 6) Importance of SOP
 - 7) Application of technological development in processing of Vati.
 - 8) Pathya Kalpana.
 - 9) Criteria of assessment of 'Sneh' formulations.
 - 10) Methods of preparation of netra kalpa.
 - 11) Comparison of ancient and modern methods to prepare asavarishta.
 - 12) Quality control measures of Kshara.
 - 13) Preparation technique for lavana Kalpana.

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KULABA - APRIL/MAY- 2012 (2009 Course)
SUBJECT: AUSHADHA YOGA VIGYAN
PAPER - III

Day : Monday
Date : 04-06-2012

Time : 10:00 AM TO 1:00 PM.
Max Marks : 100

N. B.

1. All questions are **COMPULSORY**
2. Draw neat diagrams wherever necessary.

Ans

- Long Essay :** (1×25=25)
- 1) Describe the aushadhi path samyojana (principle of formulation), mechanism of action and therapeutic use of Savarnamalinivasant.
- Short Essay :** (1×12.5=25)
- 2) Describe the dose, anupana and method of administration of Anu taila.
 - 3) Write Bheshajaprayogvidhi of Chyavanaprasha avleha.
- Short notes:** (5×10=50)
- 4) Method of preparation of Varuni and its therapeutic uses.
 - 5) Mechanism of action of Tulasi swarasa.
 - 6) Method of preparation of Takra and its therapeutic uses.
 - 7) Method of preparation of Navayasa luaha and its therapeutic uses.
 - 8) Therapeutic uses of Triphala ghrita.
 - 9) Method of preparation of Apamarga kshara taila and its therapeutic uses.
 - 10) Method of preparation of Shata dhuata ghrita and its therapeutic uses.
 - 11) Method of preparation of Hemagarbha pottali Rasa.
 - 12) Mechanisim of action of Shankha vati.
 - 13) Method of preparation of Gandhaka rasyana and its therapeutic uses.

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KULABA - APRIL/MAY-2012 (2009 Course)
SUBJECT: PHARMCEUTICAL SCIENCE
PAPER - IV

Day : *Tuesday*
Date : *05-06-2012*

Time : 10:00AM TO 1:00PM.
Max Marks : 100

N. B.

1. All questions are **COMPULSORY**
2. Draw neat diagrams wherever necessary.

Ras

Long Essay :

(1×25=25)

- 1) Write the Principles of distillation, methods of extraction, infusion, decoction, maceration, percolation and fusion.

Short Essay :

(1×12.5=25)

- 2) Write the general theory of Pharmacodynamics.
- 3) Describe the Scope and evolution of pharmacy in present context.

Short notes:

(5×10=50)

- 4) Importance of Topical drugs and cosmetics.
- 5) Describe the oral solid dosage forms.
- 6) The importance of freeze drying.
- 7) Adverse Drug Reactions.
- 8) Factors that modify effects of drug.
- 9) Concept and methods of pharmco-vigilance.
- 10) Absorption phenomena.
- 11) Preclinical evaluation of ayurvedic drugs.
- 12) Toxicology of minerals and metals.
- 13) Labeling norms with one example

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KULABA: (2012 COURSE): SUMMER – 2015
SUBJECT: PAPER – II: BHAISHJYA KALPANA

Day: Tuesday
Date: 09-06-2015

Time: 10.00 A.M. To 1.00 P.M
Max. Marks: 100

N.B.:

- 1) Draw neat labeled diagrams **WHEREVER** necessary.

(Rasashastra)
& BK

Long Answer Questions (LAQ) 3 × 20 = 60 marks (Any THREE out of FOUR)

- Q.1** Write a brief account of Sandhan Kalpana in classical treatise of Ayurveda from Charaka Samhita to Ayurvedic formulary of India.
- Q.2** Discuss the Ayurvedic concept of dose and time of drug administration (aushadh matra and aushadh sevan kala) with its implications and evidence on parameters of contemporary science.
- Q.3** Elaborate about Good Collection Practices (GCP) and Good Storage Practices (GSP) as per WHO and NMPB guidelines.
- Q.4** Describe various methods of expression and extraction.

Short Answer Questions (SAQ) 2 × 10 = 20 marks (Any TWO out of THREE)

- Q.5** Write all provisions to prepare Sneha Kalpa with its current day significance.
- Q.6** Write on contribution of Sharangadhara Samhita in Bhaishajya Kalpana.
- Q.7** Write on Emulsions and Suspensions with its pharmaceutics and therapeutic advances.

Short Notes 4 × 5 = 20 marks (Any FOUR out of FIVE)

- Q.8** Regulations in relation to alcoholic drug preparation.
- Q.9** Kshirapaka Kalpana.
- Q.10** Characteristics of Takra Kalpa
- Q.11** Anupana
- Q.12** Particle size determination

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RAVI (2012 COURSE): SUMMER – 2015
SUBJECT: PAPER – II: RASA SHASTRA & BHAISHAJYA KALPANA

Day: Wednesday
Date: 10-06-2015

Time: 10:00 A.M. TO 1:00 P.M.
Max. Marks: 100

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Use **SAME** answer sheets for each section.
- 3) Draw diagrams **WHEREVER** necessary.

SECTION- A

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

- Q.1 Write the basic principle (Adharbhoota Siddhanta) regarding manufacture of mineral medicine using advanced techniques in pharmaceutical practices with one appropriate example. (15)
- Q.2 Explain in detail about Swaras, Kwath and Kshirpaka kalpana with one example each. (15)

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

- Q.3 Elaborate the importance of GMP related to Ayurvedic pharmacy. (10)

Short notes 2 × 5 = 10 marks.

- Q.4 Write any **TWO** short notes out of **THREE**: (10)
- a) Routes of Drug administration according of Ayurveda
 - b) Importance of Sharangdhara Samhita in Ayurvedic pharmaceuticals
 - c) Bhasma Pariksha

SECTION-B

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

- Q.5 What is chromatography? Explain different chromatography techniques and their importance in Ayurvedic pharmaceuticals. (15)
- Q.6 Write the methodology for phase IV clinical trial of a new herbal formulation. (15)

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

- Q.7 Write laboratory analytical testing methods used for standardize Ayurvedic herbal powders. (10)
- Q.8 **Short notes 2 × 5 = 10 marks.**
Write any **TWO** short notes out of **THREE**: (10)
- a) Concept of Nanotechnology

KULABA: (2012 COURSE): SUMMER – 2015
SUBJECT: PAPER – I: RASA SHASTRA

Day: Monday
Date: 08-06-2015

Time: 10:00 A.M. To 1:00 P.M.
Max. Marks: 100

N.B.:

- 1) Draw neat labeled diagrams **WHEREVER** necessary.

Long Answer Questions (LAQ) 3 × 20 = 60 marks (Any THREE out of FOUR)

- Q.1** Discuss concept of Bhavana and Mardana and its implications with evidence on parameters of contemporary science.
- Q.2** How one can understand pharmacopieal standards? Write table recommendation of ASUDTAB on shelf life period of Ayurvedic dosage forms with justification of any two.
- Q.3** Enlist minerals from Maharasa-Varga. Write geo-chemical identification, occurrence, shodhana, properties, types and uses of Shilajit.
- Q.4** Elaborate with examples – Principles of Rasaushadhi Nirmana.

Short Answer Questions (SAQ) 2 × 10 = 20 marks (Any TWO out of THREE)

- Q.5** “Pharmaceutical procedures of Parada shodhan are not relevant if triple distilled mercury is available for preparation of Rasaoushadhies”. Comment in brief on this hypothetical statement.
- Q.6** Write short essay on - Importance of standard operating procedures in the preparation of Bhasma.
- Q.7** Describe any three modern machines used for grinding in Ayurvedic pharmacies.

Short Notes 4 × 5 = 20 marks (Any FOUR out of FIVE)

- Q.8** Jarana of Yashada
- Q.9** Shodhan of Hartal
- Q.10** Characteristics of Druti
- Q.11** Anand-Kanda
- Q.12** Visk Varga

KULABA: (2012 COURSE): SUMMER – 2015
SUBJECT: PAPER – III: RASA CHIKITSA & AUSHADH YOGA VIGYANA

Day: Thursday
Date: 11-06-2015

Time: 10.00 A.M. To 1.00 P.M.
Max. Marks: 100

N.B.:

- 1) Draw neat labeled diagrams **WHEREVER** necessary.

Long Answer Questions (LAQ) 3 × 20 = 60 marks (Any THREE out of FOUR)

- Q.1** Write formulation design and composition uses and probable mode of action of following drugs:
- i) Dashamularishta
 - ii) Sutashekhar Rasa
 - iii) Triphala guggulu
 - iv) Anu Taila
- Q.2** Elaborate on effects of administration of unprocessed, improperly processed and incomplete organo-metallic along with antidotes. (ashuddha, apakva and avidhi Rasadravya sevanajanya viukara evam vikara shanti upaya).
- Q.3** Enumerate route of administration of products of Panchvidhakashaya Kalpana along with suggestions to enhance its therapeutic efficacy.
- Q.4** Describe parpati kalpana in short. Write ingredients, uses, dose and anupana of:
- i) Panchammita parpati
 - ii) Vijaya parpati

Short Answer Questions (SAQ) 2 × 10 = 20 marks (Any TWO out of THREE)

- Q.5** Write composition of :
- i) Tribhuvana Kirti Rasa
 - ii) Dhanvantari Ghrita
- Q.6** Describe significance of beshaja siddha ahara kalpana. Write the examples of sapta- mushtika yusha and ashtaguna manda.
- Q.7** Discuss common and uncommon among Higvashtaka churna Avipattikar churna and Bhaskarlavan churna on parameters of ingredients and therapeutic indications.

Short Notes 4 × 5 = 20 marks (Any FOUR out of FIVE)

- Q.8** Constituents of Chandra Prabha Vati
- Q.9** Dose and Anupan of Haridra khandapak
- Q.10** Indications and contraindication of Abhayarishta

