

## Dravyaguna

### Dravyaguna Vijnan

#### SYLLABUS

#### Terms & Periodical exams

It is proposed to divide the 1-½ years of professional course into three terms as envisaged by DAME. The three terms, study leave & periodical exams can be as follows:

Term 1 : Classes for 6 months, including examination & result

Term 2 : Classes for 6 months, including examination & result

Term 3 : Classes for 4 months including model examination & result.

Study leave + University Exam for 2 months

University Examination process 2 months

Total : 18 months

- Terminal exams should include viva.
- Examinations should be completed within the period of 18 months as stipulated by CCIM
- Third terminal exam may be conducted as model exam.

1. First Periodical Examination.

#### (A) THEORY

Paper I - Part A Hours

- i. Characteristics of Dravyaguna Shastra:
  - General information about Sapta padartha (Rasa, Guna etc) -2
- ii. Characteristics of Dravya i.e. Panchabouthikatwa, Oushadhtwa - 2

- iii. Classification of Dravya i.e. Chethana, Achethana etc - 3

Part B

- i. Mutual relationship between Rasadi Guna -4  
 ii. Botanical Classification etc - 4  
 iii. Good Medicine etc -6

Paper II - Part A

- i. Drugs for detailed study- 40 drugs -20  
 i. Drugs for Non-detailed study - 80  
 drugs -15

Part B

- i. Drugs of animal origin (12nos) i.e. Kasthoori, gorochana etc - 4  
 Total - 60

(B) PRACTICAL

- a. Kanda and Patra (4nos)  
 b. Kanda (stem) Guduchi, Manjishta  
 c. Patra (Markandika, Ghrutha kumara) - 20  
 d. Garden / Museum Visit - 10  
 Total - 30

2. Second Periodical Examination

(A) THEORY

Paper I - Part A

- i. Etymology of Guna ie: Charecteristics  
 Types and knowledge of all gunas - 3

ii.	The Etymology, meaning, characteristics, and number of rasa	- 5
Paper I - Part B		
i	Basis of Nomenclature	- 5
i	Impurities	- 2
Paper II - Part A		
i	Detailed Drugs (40 nos)	- 20
Part B		
i	Nondetailed Drugs (80)	- 15
ii	Jalavarga etc	- 10
Total		- 60
(B) PRACTICAL		
i	Pushpa, Phala, Beeja (2 each)	- 18
i	Garden / Museum Visit	- 12
Total		- 30

### 3) Third periodical examination

#### (A) THEORY

Paper I - Part A		
i.	Etymology and characteristics of Vipaka	- 2
ii.	Etymology, characteristics and nature of virya	- 2
iii.	Etymology of Prabhava	- 2
Part B		
i	Brief History	- 2
i	Nighantus etc	- 3
Paper II – Part A		
i	Drugs for Detailed drugs (42 nos)	- 21

## Part B

i	Non Detailed (90)	- 20
ii	General Pharmacology	- 8
	Total	- 60

## (B) PRACTICAL

i	Twak- Arjuna, Kudaja.	- 6
i	Niryasa - Hingu, Guggulu	- 6
ii	Jangama – Madhu	- 2
iv	Garden / Museum visit	- 10
v	Clinical Trial	- 6
	Total	- 30

Sample question paper

**II Professional B.A.M.S****Dravyaguna Vijnan**

Time - 3 Hours

Total Marks – 100

## Scheme of Questions

Type	Part A	Part B	Total
I Essay Questions - (10 marks)	10	10	20
II Short answer Questions – (5 marks)	20	20	40
III Very short answer Questions – (2 marks)	10	10	20
IV Objective type Questions – (one word Answer, MCQ, Matching etc) - (1 mark)	10	10	20
Total	50	50	100

Sample question paper

## II Professional B.A.M.S

### Dravyaguna Vijnan

Time – 3 Hours

Total Marks – 100

#### PART A

1. Define 'Dravya' quoting classic references.
  - a) Write any 10 points establishing the significance of Dravya.
  - b) Explain the genesis of Dravya (Dravya nishpatti)  
( 2 + 5 + 3 = 10)
2.
  - a) Explain any eight of the 'Gurvadi Gunas' with examples
  - b) Explain Lakshana and Karma of Madhura Rasa
  - c) Differentiate between ' Nishtaa paaka' and 'Avasthaa paaka'
  - d) Enumerate karma (actions) of 'Ushna' and 'Seeta' veeryas according to Vagbhata.
  - e) Differentiate between 'Prabhaava' and 'Vicitraprtyayaarabdha'with examples  
(4 \* 5 = 20)
3.
  - a) Write the drugs of 'Amla Skandha'
  - b) Write on 'Veerut' with examples
  - c) Write the 'Atyupayoga lakshana' of Lavana Rasa
  - d) What is 'Aniyata Vipaaka Vaada' ? Explain
  - e) Write the 'Bhoutika Ghatana' of Rasas (4 \* 5 = 20)
4.
  - a) ..... is a 'Patrarohana Dravya' (Leaf climber)  
(Satavari, Langali, Karavella, Guduci)
  - b) Timira is caused by over usage of \_\_\_\_\_  
( Amla, Lavana, Kashaya, Hareetaki )

- c) — is not an ingredient of Gulucyadi Gana  
( Padmaka, Nimba, Parpata, Dhaanyaka )
  - d) — is not one of 'Paraadi' Gunas  
(Yukti, Vyavayi, Sankhya, Vibhaga )
  - e) Amalaki is of — Rasa  
( Madhura, Lavana, Kashaya, Amla )
  - f) Name the 'Gana' indicated for ' Sthanya janana'
  - g) Name the 'Agryoushadha' for Raktapitta according to Vagbhata
  - h) Name the 'Abhava Dravyas' (substitutes) for Kasturi
  - i) Adhogaami ca bhooyishtam .....
  - j) Tasmaat ..... Bhuta Sanghaata Sambhavaat
- ( 1 \* 10 = 10)

PART B

1. Name any five Nighantus and their authors of the medieval period
  - a) Give an account about the contents of 'Bhavaprakasa Nighantu'
  - b) Write the basis of naming of drugs according to 'Rajanighantu'

(2 + 5 +3 =10)
2. Write short notes on
  - a) Sthambhana – Graahi
  - b) Bhedana – Anulomana
  - c) Dasamula
  - d) Sirovirecana Gana of Vagbhata
  - e) Dravya Samgrahana Vidhi according to Ashtanga Hrudaya

(4 \* 5 = 20)

3. Write briefly on

- a) Prasastha Bhesaja
- b) Oushadha vyavastha patra ( prescription writing)
- c) Young's formula
- d) Anupana guna
- e) Panca vatkala

(3 \* 5 = 15 )

4. a) \_\_\_\_\_ is not an ingredient of 'Trimada'

( Pippali, Musta, Vidanga, Pooga )

c) Poutava mana is the measurement of \_\_\_\_\_

( volume, length, mass)

d) Anupana for 'Sthoulya is \_\_\_\_\_

(Madhoodakam, Ushna jalam, Madyam, Takram )

e) Ideal time to collect Heartwood ( Saara) of a tree is \_\_\_\_\_

—

( Varsha, Vasantha, Hemanta, Sarat )

f) Consumption of Fish and Milk together is an example of \_\_\_\_\_

—

( Rasavirodha, Veerya virodha, Vipakavirodha, Desavirodha)

( 1 \* 5 = 5 )

Paper II

Part a

1. Write the morphology & therapeutic properties of

- a) Asoka
- b) Sigru

(10)

2. Interpret 2 synonyms each of
  - a) Kanjanara
  - b) Aragwadha
  - c) Vilwa (3)
3. Name 3 chemical constituents of
  - a) Nimba
  - b) Kutaja (3)
4. Name the varieties of Hareetaki (3)
5. Name the 'Prayojyanga' (parts used) of
  - a) Karkatasrngi
  - b) Turushka
  - c) Ahiphena
  - d) Bakuci
  - e) Dhataki
  - f) Vacaa (3)
6. Write Rasa, Guna, Veerya and Vipaka of
  - a) Bala
  - b) Pippali
  - c) Vibheetaki
  - d) Lasuna
  - e) Dadima
  - f) Guduci (12)
7. Write 2 Amayika prayogas of
  - a) Vasa



- b) Kaanjanaara (6)
8. Write the botanical sources of
- a) Raasna
- b) Daruharidra (5+5=10)

PART B

1. Write in detail about 'Ksheerashtaka' according to Vagbhata (10)
2. Write short notes on
- b) Kasturi
- c) Madhu (5\*2 = 10)
3. Write on 'Mutravarga' (5)
4. Write about the following
- a) Antagonist
- b) Enemata (5)
5. Defferentiate between Manda, Peya and Vilepee (6)
6. Write the properties of Tila Taila and Eranda Taila (4)
7. Write the properties of
- a) Ghrta
- b) Takra (5)
8. Write briefly on the 'Routes of administration of drugs' (5)

## II Professional B.A.M.S

### Dravyaguna Vijnan

Time - 3 Hours

Total Marks – 100

#### PAPER I

#### PART A

1. Caraka Samhita / Su/ 1 – 50  
(yatrasritaa ..... Dravyam)
  - a) Susrutha Samhita / su/ 40, Rasa Vaisheshika Sutra – 1/ 102 -
  - b) Ashtanga Hrudaya / su / 9/2
2.
  - a) Bhavaprakasa / Poorva Khanda/ Misravarga/ 201 – 204
  - b) Ashtanga Hrudaya/Su/10/2,6,7,8,9
  - c) Dravyaguna Vijnan of P.V.Sarma, Vol –I /Chapter 6
  - d) Ashtanga Hrudaya / Su/9/18, 19
  - e) Ashtanga Hrudaya /Su/ 9/ 25- 28
3.
  - a) Ashtanga Hrudaya /Su/10/25,26
  - b) Caraka Samhita / Su /1/72, Dravyaguna Vijnan of P.V.Sarma, Vol – I /6
  - c) Ashtanga Hrudaya ?Su/10/ 13
  - d) Susrutha Samhita /Su/ 40/10
  - e) Ashtanga Hrudaya /Su/10/1
4.
  - a) Langali
  - b) Amla
  - c) Parpata
  - d) Vyavayi
  - e) Amla

- f) Padmakadi
- g) Vasa
- h) Kankola
- i) Bhoomitoyagunadhikam
- j) Naikarasam dravyam

Part B

1. Paryayaratnamala ( Madhavan), Dhanwantari Nighantu ( unknown), Sidhasara Nighantu (Ravigupan), Dravyaguna Samgraha ( Cakrapanidatta), Shodala Nighantu (Shodala), Madanapala Nighantu ( Madanapala), Ashtanga Nighantu ( Vagbhata) etc
  - c) Bhavaprakasa Nighantu, ref Dravyaguna Vijnan by PVSarma vol ...???
  - d) Raja Nighantu – 1/13
2.
  - a) Sarngadhara Samhita /Poorva/ 4/11,12
  - b) Sarngadhara Samhita /Poorva/ 4 /5,6
  - c) Susrutha Samhita /Su/ 38/ 66 –69
  - f) Ashtanga Hrudaya/Su/15/8,9
  - g) Ashtanga Hrudaya/Kalpa/6/1-6
3.
  - a) Caraka Samhita /Su/1/34, Susrutha Samhita /Su/34/22,23
  - b) Model prescription with essentials as Name of patient, age, sex, address, Diagnosis of the condition, treatment, medicines, dose, time, mode of Administration, advises on diet & regimen, and signature of the Physician etc
  - c) Pharmacology & Pharmacotherapeutics by Satoskar/ Vol I/ Ch I
  - d) Ashtanga Hrudaya/ Su/8/52

- e) Raja Nighantu /Misra/25
- 4.
- a) Pooga
  - b) Mass
  - c) Hemanta
  - d) Madhoodaka
  - e) Vipakavirodha

PAPER II

PART A

1. Morphology with essential points as botanical name, family, local name, Habit, Habitat, general taxonomy of all parts as roots, stem, leaves, inflorescence, flowers, fruit, seed etc.
- Therapeutic properties include Rasa, veerya, vipaka, prabhava, Doshprabhava, General karma and Vyadhikarma
- 2 Nighantu Adarsa, Dravyaguna Vijnan by PVS vol -II
- 3 Dravyaguna Vijnan by PVS vol -II
- 4 Dravyaguna Vijnan by PVS vol –II, Bhavaprakasa Nighantu / hareetakyadi varga/ 2-10
- 5
- a) Gall
  - b) Resin
  - c) Exudate from fruit
  - d) Seeds
  - e) Flower
  - f) Rhizome
- 6 Dravyaguna Vijnan by PVS vol -II
- 7 Dravyaguna Vijnan by PVS vol -II

- 8 a) Alpinia galanga, Pluchea lanceolata  
b) Coscinium fenestratum, Berberis aristata

PART B

- 1 Ashtanga Hrudaya /Su/ 5/25-33  
2 a) Dravyaguna Vijnan by PVS vol –II  
b) Ashtanga Hrudaya/su/5, Dravyaguna Vijnan by PVS vol –III  
3 Ashtanga Hrudaya/Su/5/85,86  
4 Pharmacology & pharmacotherapeutics by Satoskar/ Vol I/ Ch I  
5 Ashtanga Hrudaya/Su/ 5/ 25-28  
6 Ashtanga Hrudaya / Su/5/60-63  
7 a) Ashtanga Hrudaya/Su/5/42-45  
b) Ashtanga Hrudaya /Su/5/ 38,39  
8 Pharmacology & pharmacotherapeutics by Satoskar/ Vol I/ Ch I