

## Salakyathanthram

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.

### **I. Terms and periodical examinations**

Rearrangement of syllabus for 3 terms

## I term examination

### Part A

#### Module I

Salakyathantra, nirukthi, parichayam, ithihasam (5 hours)

#### Module 2

Nethra, rachana, kriya sareeram, nethras mandalas, patalas, sandhis, pramanam, pachabhouthikakathwam, nethra pareekshanam

Marks (10 hours)

#### Module 3

Nethra roga sankhya, vibhagam (Ayurveda & Modern), nidanam, poorvaroopam, samprapthi, roopam, samnaya chikitsa .....

Marks (06 hours)

#### Module 4

Sandhigatharoga, sanghya, lakshana, chikitsa and relevant modern diseases .....

Marks (08 hours)

#### Module 5

Nethra kriya kalpanas – Achothanam, sekham, anjanam, tarpanam, putapakam, pindi, bidalakam

Marks (06 hours)

## Part B

### Module 6

Siro rogas, siro mahathwam, uthamangam, siro roga – sanghya, lakshana, chikitsa and relevant modern diseases

Marks (20 hours)

### Module 7

Nasa rogas, sanghyka, lakshana, chikitsa and relevant modern diseases

.....

Marks (10 hours)

### Module 8

Kriyakarmas, moorthini thailam, nasyam.....

Marks (05 hours)

## II term examination

### Part A

### Module 9

Vathamagatha rogas – snaghya, lakshana, chikitsa and relevant modern diseases

Marks (10 hours)

### Module 10

Suklagatha rogas – sanghya, lakshana, chikitsa and relevant modern diseases

Marks (08 hours)

**Module 11**

Krishnagatha rogas – Sanghya, lakshana, chikitsa and relevant modern diseases

Marks (06 hours)

**Module 12**

Sarvagatha rogas – Sanghya, lakshana, chikitsa and relevant modern diseases

Marks (11 hours)

**Part B**

**Module 13**

Karna rogas – Sanghya, lakshana, chikitsa and relevant modern diseases

Marks (15 hours)

**Module 14**

Karnapooranam, dhoomapanam

Marks (02 hours)

**Module 15**

Mukhavayava jnanam, mukharoga nidana, sankhya, samprapthi, samanya chikitsa ..... marks (05 hours)

**Module 16**

Oashta, ganda, dantha, danthamoola rogas – sanghya, lakshana , chikitsa and relevant modern diseases. .... marks (13 hours)

### III term examination

#### Part A

##### Module 17

Drishtigatha rogas – sanghya, lakshana, chikitsa and relevant modern diseases

Marks (20 hours)

##### Module 18

Paravatha janya vikaras, kuposhana janya rogas, sankramika rogas, rashtriya andhadanivarana kriyakramam, nethragatha samnaya sathra chikitsa.

Marks (15 hours)

#### Part B

##### Module 19

Jihwa, talu, sarvasya, kanta rogas – sanghya, lakshna, chikitsa and relevant modern diseases

Marks (29 hours)

##### Module 20

Kriyakramas – kabalam, gandhoosham

Marks (11 hours)

#### Distribution of teaching hours

Total teaching hours – 210 hours

Total practical hours –

### **Subject for assignment**

- Muscles of the eye and its applied anatomy
- Lacrimal apparatus and its clinical importance
- Lens and accommodation
- Retinal layers
- Paranasal sinuses at its clinical examination
- Tympanic membrane
- Eustachian tube
- Tongue muscle
- Larynx
- Tonsil
- Scalp

### **Case presentation**

Each should be present minimum one case from the OP/IP. All teaching staff of the department should attend the presentation and following suggestions.

### **Topics for practical examination**

- Lid examination
- Margin of the lid
- Conjunctival examination
- Corneal examination
- Digital tonometry
- Field of vision (Confrontation)
- Visual acuity
- Lacrimal apparatus

- Puppillary reaction and iris shadow
- Examination of Ear
- Patency of TM and Eustachian tube
- Rinnie's test, weber's test, ABC test
- Anterior rhinoscopy
- Examination for paranasal sinuses
- Examination of tonsils
- Dental examination
- Vestibular function
- Pindi
- Anjana karmam
- Achothana karmam

### **Instruments**

- Ophthalmoscope
- Otoscope
- Head mirror
- Tuning forks
- Chalzion clamb
- Lid retractor
- Corneal foreign body spud
- Placido's disc
- Laryngeal mirror
- Epilation forceps
- Binocular corneal loupe

- Wax hook
- Ear syringe
- Nasal speculum
- Tongue depressor
- Tonometer
- Ishihara chart
- Universal eye speculum
- Snellen's chart
- Trial lenses

**Drug - Identification**

Triphala

Darvi

Lodram

Madhukam

Karpooram

Gyrikam

Pippali

Maricham

Draksha

Durva

Laksha

Japakusumam

Jathee

Manasila



Thutham  
Agasthipatram  
Sighrupallvam  
Madhu  
Ghritham  
Chandanam  
Rakthachandanam  
Nisa  
Gopi  
Useeram  
Sundi  
Thaleesapathram  
Chavikam  
Thinthrinikam  
Chithrakam  
Thulasi  
Satahwam  
Saindhavam  
Devatharam  
Kunguma poovu  
Gunju  
Sarshapam  
Tanakanam  
Sahadevi

Bringam  
Arimedham  
Gandhakam  
Krimighnam  
Gulgulu  
Makshikam  
Sanghu  
Samudra phenam  
Mudgam  
Vacha  
Kottam

#### **Bifurcation of practical marks**

Record	10
Class schedule card	10
Practical examination (Identification)	20
Long case taking	40
Short case taking	10
Oral	10

#### **Restructuring of question papers (For one part)**

- a. Essay type question (One each from each part) 10 marks 10 x 1
- b. Short Answer Questions  
10 marks 2 x 5  
15 marks 3 x 5  
10 marks 5 x 2
- c. Multiple choice questions 5 marks 1 x 5

**Model question paper**

**Clinical Case record – I**

Name	OP.No.
Age	IP No.
Sex	DOA
Occupation	DOD
Income	Ward No.
Religion	Bed No.
Address	Name of nearest relative
	Marital status

Presenting complaints

Duration

History of presenting complaints

History of past illness

Personal history

Food Bladder

Appetite

Allergy

Sleep

Addiction

Bowel

Habits

Aakruthi

Prakruthi

Family history

Menstrual history

Pregnancy

## General examination

Temperature

body weight

P[ulse      blood pressure

Respiration

## Ashtasthana pareeksha

Nadi

Moothra

Malam

Jihwa

Sabdam

Sprasam

Drik

Aakrithi

## Indriya pareekshanam

Chashurindiryam Right Left

1. Eye brow
2. Orbit
3. Lacrimal apparatus
  1. Lacrimal gland

2. Lacrimal puncta
  3. Lacrimal sac
  4. Naso lacrimal duct
4. Eye lid
1. Position
  2. Palpebral aperture
  3. Movement
  4. Margin of Eyelid
  5. Eye lashes
5. Eye ball
1. Position
  2. Movement
  3. Size
6. Conjunctiva
1. Peripheral conjunctiva
  2. Bulbar conjunctiva
7. Sclera
1. Curvature
  2. colour

3. vessels
- 4.
8. Cornea
  1. Size
  2. Curvature
  3. Surface
  4. Transparency
9. Iris
  1. Colour
  2. Position
10. Pupils
  1. Size
  2. Reaction to light
11. Lens
  1. Size
  2. Transparency
  3. Colour
12. Intra ocular tension

13. Retina

1. Optic disc
2. Retinal vessels
3. Periphery
4. Macula

14. Vision

1. Distant vision
2. Near vision
3. Colour vision
4. Visual field
5. Refractive error if any

II. Srothrahindriyam

III. Sparsanedriyam

IV. Rasanesriyam

V. Ghraneriyam

**Karmendriya Pareekshanam**

1. Vaak
2. Hastham
3. Padam
4. Paayu
5. Uapstham



### **Mala pareekshanam**

1. Pureesham
2. Moothram
3. Swedam
4. Shteevanam
5. Chardimalam
6. Anyamalam

### **Sepecific investigation**

1. Blood
2. Stool
3. Urine
4. Sputam
5. X – ray

### **Dosha pareekshanam**

1. Pramukha dosha
2. Vikruthi lakshanam

### **Dooshya pareekshanam**

1. Pramukha dooshya
2. Vikruthi lakshanam

### **Srotho pareekshanam**

1. Pramukha srotho
2. Dushti lakshanam

### **Vayadhi adhishtanam**

Vyadhi margam

Vyadhi vridhi hrasa kalam

Diagnosis

Prognosis

Differential diagnosis

### **Treatment**

Specific treatment

General treatment

### **Daily observations**

Date	Daily report	Medicine	Dose	time	Diet
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### **Pathyam and Apathyam**

II Aaharam

1. Hitham
2. Ahitham

III. Viharam

1. Hitham
2. Ahitham

### **Result**

Advice

Signature of Candidate      Signature of Reader

Name

Lecturer/ Tutor

Date

## Clinical Case record - II

Name	OP.No.
Age	IP No.
Sex	DOA
Occupation	DOD
Income	Ward No.
Religion	Bed No.
Address	Name of nearest relative
	Marital status
Presenting complaints	Duration
History of presenting complaints	
History of past illness	
Personal history	
Diet	Bladder
Appetite	Allergy
Sleep	Addiction
Bowel	Habits
Aakruthi	Prakruthi
Family history	
Menstrual history	

Pregnancy

General examination

Temperature

body weight

Pulse

blood pressure

Respiration

### **Ashtasthana pareeksha**

Nadi

Moothra

Malam

Jihwa

Sabdham

Sprasmam

Drik

Aakrithi

### **Indriya pareekshanam**

The Ear

Right

Left

1. Pinna

a. Colour of skin

b. Surface of changes

c. Congential deformities

2. Externa Auditory Meatus

a. Shape

b. Obstruction

c. Discharge

Ear Drum	Right	Left
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Colour

Postion

Perfgoratin

Hearing

Air conduction

Bone conduction

Vestibular functions

**Nose**

1. General appearance

2. Vestibule

3. Luman of nasal fossa

4. Medial wall

Shape

Colour

Surface

5. Internal wall

Interior meatus

Interior turbinate

Middle meatus

Middle turbinate

Superior meatus

Superior turbinate

6. Olfactory function

7. Paranasal sinuses

Normal / inflamed

Lips

General appearance

Colouration

Surface

Cheeks

Colour

Surface

Gums

Colour

Surface

Bleeding

**Teeth**

8 7 6 5 4 3 2 1

1 2 3 4 5 6 7 8

8 7 6 5 4 3 2 1

1 2 3 4 5 6 7 8

Number

Direction

Size

Colour

Appearance

Decay

Malformation

Tongue

Colour

Surface

Genral appearance

Movements

Perception of taste

Sppech

Palate

Soft

Hard

Throat

Colour

Surface

Head

Position

Hair

Scalp

### **Dosha pareekshanam**

1. Pramukha dosha
2. Vikruthi lakshanam

### **Dooshya (Dhathu) pareekshanam**

1. Pramukha dooshya
2. Vikruthi lakshanam



## **Srotho pareekshanam**

1. Pramukha srotho
2. Dushti lakshanam
3. Vayadhi adhishtanam
4. Vyadhi margam
5. Vyadhi vridhi hrasa kalam

Diagnosis

Prognosis

Differential diagnosis

## **Treatment**

Specific treatment

General treatment

## **Daily observations**

Date	Daily report	Medicine	Dose	time	Diet
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## **Pathyam and Apathyam**

II Aaharam

1. Hitham

2. Ahitham

III. Viharam

1. Hitham

2. Ahitham

Result

Advice

Signature of Candidate

Signature of Reader

Name

Lecturer/ Tutor

Date

## **II. Terms and periodical examinations**

It is proposed to divide the 18 months of third Professional B.A.M.S. course into 3 terms as directed by DAME. The three terms with terminal examinations as follows,

At the end of each terms theory examination only conducted. Practical and oral examinations have to be conducted with the modal examination. Maximum marks for each terminal examination will be 100 marks in Part A & B and duration of examination will be 3 hours.

## **Rearrangement of syllabus for 3 terms**

### **I term examination**

#### **Part A**

#### **Module 1**

Salakyathantra, nirukthi, parichayam, ithihasam (5 hours)

#### **Module 2**

Nethra, rachana, kriya sareeram, nethras mandalas, patalas, sandhis, pramanam, pachabhouthikakathwam, nethra pareekshanam ..... marks (10 hours)

#### **Module 3**

Nethra roga sankhya, vibhagam (Ayurveda & Modern), nidanam, poorvaroopam, samprapthi, roopam, samnaya chikitsa ..... marks (06 hours)

#### **Module 4**

Sandhigatharoga, sanghya, lakshana, chikitsa and relevant modern diseases ..... marks (08 hours)

#### **Module 5**

Nethra kriya kalpanas – Achothanam, sekham, anjanam, tarpanam, putapakam, pindi, bidalakam

..... marks (06 hours)

#### **Part B**

#### **Module 6**

Siro rogas, siro mahathwam, uthamangam, siro roga – sanghya, lakshana, chikitsa and relevant modern diseases ..... marks (20 hours)

**Module 7**

Nasa rogas, sanghya, lakshana, chikitsa and relevant modern diseases  
..... marks (10 hours)

**Module 8**

Kriyakarmas, moorthini thailam, nasyam..... marks (05 hours)

**II term examination**

**Part A**

**Module 9**

Vathamagatha rogas – sanghya, lakshana, chikitsa and relevant modern  
diseases ..... marks (10 hours)

**Module 10**

Suklagatha rogas – sanghya, lakshana, chikitsa and relevant modern  
diseases ..... marks (08 hours)

**Module 11**

Krishnagatha rogas – Sanghya, lakshana, chikitsa and relevant modern  
diseases ..... marks (06 hours)

**Module 12**

Sarvagatha rogas – Sanghya, lakshana, chikitsa and relevant modern  
diseases ..... marks (11 hours)

**Part B**

**Module 13**

Karna rogas – Sanghya, lakshana, chikitsa and relevant modern diseases  
..... marks (15 hours)

**Module 14**

Karnapooranam, dhoomapanam ..... marks (02 hours)

**Module 15**

Mukhavayava jnanam, mukharoga nidana, sankhya, samprapthi, samanya chikitsa ..... marks (05 hours)

**Module 16**

Oashta, ganda, dantha, danthamoola rogas – sanghya, lakshana , chikitsa and relevant modern diseases. .... marks (13 hours)

**III term examination**

**Part A**

**Module 17**

Drishtigatha rogas – sanghya, lakshana, chikitsa and relevant modern diseases ..... marks (20 hours)

**Module 18**

Paravartha janya vikaras, kuposhana janya rogas, sankramika rogas, rashtriya andhadanivarana kriyakramam, nethragatha samnaya sathra chikitsa. .... marks (15 hours)

**Part B**

**Module 19**

Jihwa, talu, sarvasya, kanta rogas – sanghya, lakshna, chikitsa and relevant modern diseases ..... marks (29 hours)

**Module 20**

Kriyakramas – kabalam, gandhoosham ..... marks (11 hours)

## **Distribution of teaching hours**

Total teaching hours – 210 hours

Total practical hours –

Subject for assignment

- Muscles of the eye and its applied anatomy
- Lacrimal apparatus and its clinical importance
- Lens and accommodation
- Retinal layers
- Paranasal sinuses at its clinical examination
- Tympanic membrane
- Eustachian tube
- Tongue muscle
- Larynx
- Tonsil
- Scalp

## **Case presentation**

Each should be present minimum one case from the OP/IP. All teaching staff of the department should attend the presentation and following suggestions.

## Topics for practical examination

- Lid examination
- Margin of the lid
- Conjunctival examination
- Corneal examination
- Digital tonometry
- Field of vision (Confrontation)
- Visual acuity
- Larimal apparatus
- Puppillary reaction and iris shadow
- Examination of Ear
- Patency of TM and Eustachian tube
- Rinnie's test, weber's test, ABC test
- Anterior rhinoscopy
- Examination for paranasal sinuses
- Examination of tonsils
- Dental examination
- Vestibular function
- Pindi

- Anjana karmam
- Achothana karmam

### **Instruments**

- Ophthalmoscope
- Otoscope
- Head mirror
- Tuning forks
- Chalzion clamb
- Lid retractor
- Corneal foreign body spud
- Placido's disc
- Laryngeal mirror
- Epilation forceps
- Binocular corneal loupe
- Wax hook
- Ear syringe
- Nasal speculum
- Tongue depressor



- Tonometer
- Ishihara chart
- Universal eye speculum
- Snellen's chart
- Trial lenses

### **Drug - Identification**

Triphala

Darvi

Lodram

Madhukam

Karpooram

Gyrikam

Pippali

Maricham

Draksha

Durva

Laksha

Japakusumam

Jathee

Manasila

Thutham

Agasthipatram

Sighrupallvam

Madhu

Ghritham

Chandanam

Rakthachandanam

Nisa

Gopi

Useeram

Sundi

Thaleesapathram

Chavikam

Thinthrinikam

Chithrakam

Thulasi

Satahwam

Saindhavam

Devatharam

Kunguma poovu

Gunju

Sarshapam

Tanakanam

Sahadevi

Bringam

Arimedham

Gandhakam

Krimighnam

Gulgulu

Makshikam

Sanghu

Samudra phenam

Mudgam

Vacha

Kottam

### **Bifurcation of practical marks**

Record	10
Class schedule card	10
Practical examination (Identification)	20
Long case taking	40
Short case taking	10
Oral	10

### **Restructuring of question papers (For one part)**

Essay type question (One each from each part)

	10 marks	10 x 1
Short Answer Questions	10 marks	2 x 5
	15 marks	3 x 5
	10 marks	5 x 2
Multiple choice questions	5 marks	1 x 5

## Model question paper

### Clinical Case record – I

Name	OP.No.
Age	IP No.
Sex	DOA
Occupation	DOD
Income	Ward No.
Religion	Bed No.
Address	Name of nearest relative
	Marital status
Presenting complaints	Duration
History of presenting complaints	
History of past illness	
Personal history	
Food	Bladder
Appetite	Allergy
Sleep	Addiction
Bowel	Habits
Aakruthi	Prakruthi

Family history

Menstrual history

Pregnancy

General examination

Temperature

body weight

P[ulse

blood pressure

Respiration

### **Ashtasthana pareeksha**

Nadi

Moothra

Malam

Jihwa

Sabdam

Sprasam

Drik

Aakrithi

## Indriya pareekshanam

Chashurindiriyam

Right

Left

1 Eye brow

2 Orbit

Lacrimal apparatus

1 Lacrimal gland

2 Lacrimal puncta

3 Lacrimal sac

4 Naso lacrimal duct

Eye lid

1 Position

2 Palpebral aperture

3 Movement

4 Margin of Eyelid

5 Eye lashes

Eye ball

1 Position

2 Movement

3 Size

### Conjunctiva

- 1 Peripheral conjunctiva
- 2 Bulbar conjunctiva

### Sclera

- 1 Curvature
- 2 Colour
- 3 Vessels

### Cornea

- 1 Size
- 2 Curvature
- 3 Surface
- 4 Transparency

### Iris

- 1 Colour
- 2 Position

### Pupils

- 1 Size
- 2 Reaction to light



Lens

- 1 Size
- 2 Transparency
- 3 Colour

Intra ocular tension

Retina

- 1 Optic disc
- 2 Retinal vessels
- 3 Periphery
- 4 Macula

Vision

- 1 Distant vision
- 2 Near vision
- 3 Colour vision
- 4 Visual field
- 5 Refractive error if any

II. Srothrahindriyam

III. Sparsanedriyam

IV. Rasanetriyam

V. Ghranetriyam

Karmendriya Pareekshanam

1 Vaak

2 Hastham

3 Padam

4 Paayu

5 Uapstham

Mala pareekshanam

1 Pureesham

2 Moothram

3 Swedam

4 Shteevanam

5 Chardimalam

6 Anyamalam

Specific investigation

- 1 Blood
- 2 Stool
- 3 Urine
- 4 Sputum
- 5 X – ray

Dosha pareekshanam

- 1 Pramukha dosha
- 2 Vikruthi lakshanam

Dooshya pareekshanam

- 1 Pramukha dooshya
- 2 Vikruthi lakshanam

Srotho pareekshanam

- 1 Pramukha srotho
- 2 Dushti lakshanam

Vyadhi adhishtanam

Vyadhi margam

Vyadhi vridhi hrasa kalam

Diagnosis

Prognosis

Differential diagnosis

### **Treatment**

Specific treatment

General treatment

### **Daily observations**

Date	Daily report	Medicine	Dose	time	Diet
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### **Pathyam and Apathyam**

II Aaharam

Hitham

Ahitham

III. Viharam

Hitham

Ahitham

Result

Advice

Signature of Candidate

Signature of Reader

Name

Lecturer/ Tutor

Date

## Clinical Case record - II

Name	OP.No.
Age	IP No.
Sex	DOA
Occupation	DOD
Income	Ward No.
Religion	Bed No.
Address	Name of nearest relative
	Marital status
Presenting complaints	Duration
History of presenting complaints	
History of past illness	
Personal history	
Diet	Bladder
Appetite	Allergy
Sleep	Addiction
Bowel	Habits
Aakruthi	Prakruthi
Family history	

Menstrual history

Pregnancy

General examination

Temperature

body weight

Pulse

blood pressure

Respiration

### **Ashtasthana pareeksha**

Nadi

Moothra

Malam

Jihwa

Sabdam

Sprasam

Drik

Aakrithi

### **Indriya pareekshanam**

The Ear    Right

Left

1.    Pinna

a.    Colour of skin

- b. Surface of changes
- c. Congenital deformities

2. External Auditory Meatus

- a. Shape
- b. Obstruction
- c. Discharge

Ear Drum	Right	Left
Colour		
Position		
Perforation		
Hearing		
Air conduction		
Bone conduction		
Vestibular functions		

Nose

- 1 General appearance
- 2 Vestibule
- 3 Lumen of nasal fossa



4 Medial wall

Shape

Colour

Surface

5 Internal wall

Interior meatus

Interior turbinate

Middle meatus

Middle turbinate

Superior meatus

Superior turbinate

6 Olfactory function

7 Paranasal sinuses

Normal / inflamed

Lips

General appearance

Colouration

Surface

Cheeks

Colour

Surface

Gums

Colour

Surface

Bleeding

Teeth

8 7 6 5 4 3 2 1

1 2 3 4 5 6 7 8

8 7 6 5 4 3 2 1

1 2 3 4 5 6 7 8

Number

Direction

Size

Colour

Appearance

Decay

Malformation

Tongue

Colour

Surface

Genral appearance

Movements

Perception of taste

Speech

Palate

Soft

Hard

Throat

Colour

Surface

Head

Position

Hair

Scalp

Dosha pareekshanam

Pramukha dosha

Vikruthi lakshanam

Dooshya (Dhathu) pareekshanam

Pramukha dooshya

Vikruthi lakshanam

Srotho pareekshanam

Pramukha srotho

Dushti lakshanam

Vayadhi adhishtanam

Vyadhi margam

Vyadhi vridhi hrassa kalam

Diagnosis

Prognosis

Differential diagnosis

## Treatment

Specific treatment

General treatment

## Daily observations

Date	Daily report	Medicine	Dose	time	Diet
------	--------------	----------	------	------	------

## Pathyam and Apathyam

Aaharam

Hitham

Ahitham

Viharam

Hitham

Ahitham

Result

Advice

Signature of Candidate

Signature of Reader

Name

Lecturer/ Tutor

Date