

MACHINDRAGAD-(2012 COURSE): SUMMER-2016
SUBJECT: PAPER-I: PURVAKARMA- SNEHAN AND SVEDANA

Day: Monday
Date: 06/06/2016

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

N.B:

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

Long Answer Questions (LAQ) 3 x 20 = 60 marks (ANY THREE out of FOUR)

- Q.1** Explain in detail the different types of Sneha mentioned in classics. (20)
- Q.2** Write in detail about four types of Sweda of Acharya Sustruta. (20)
- Q.3** Write Shadvidha Upkrama in detail. (20)
- Q.4** What do you understand by Murdhni Tailam? What are its subtypes? Explain Shirodhara and Shiropichu in detail. (20)

Short Answer Questions (SAQ) 2 x10 = 20 (ANY TWO out of THREE)

- Q.5** Describe importance of Matravinishchaya in Abhyantara Snehapana. (10)
- Q.6** Write importance of Purvakarma in Shodhana Chikitsa. (10)
- Q.7** What are the different types of contemporary massage techniques? (10)

Short notes 4 x 5 = 20 marks (ANY FOUR out of FIVE)

- Q.8** Dhanyamla Dhara. (05)
- Q.9** Different types of Lepa. (05)
- Q.10** Akshi Tarpana. (05)
- Q.11** Kati Basti. (05)
- Q.12** Role of Snehana and Swedana in promotion of skin health. (05)

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MACHINDRAGAD-(2012 COURSE): SUMMER-2016
SUBJECT: PAPER-II: VAMANA AND VIRECHANA KARMA

Day: Tuesday
Date: 07/06/2016

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

N.B:

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

Long Answer Questions (LAQ) 3 x 20 = 60 marks (ANY THREE out of FOUR)

- Q.1** Describe the complete procedure of Vamana Karma, complications and management with Ayurveda and modern drugs. (20)
- Q.2** Describe the indications of Virechana Karma, the contra-indications with reasons. (20)
- Q.3** Explain the Shloka in detail. (20)
पेया विलेपी कृतं अकृतं च युष रसं त्रिभुवं तथैकम् ।
क्रमेण सेवेत नरोन्नकालं प्रधान मध्यावरशुद्धीशुद्धः ॥
- Q.4** Explain the Virechana Karmas Vidhi in detail. (20)

Short Answer Questions (SAQ) 2 x 10 = 20 (ANY TWO out of THREE)

- Q.5** Virechana Matra in context to Kalka, Kwath, Churna, Vati and Avaleha (10)
- Q.6** What is the role of Vamana in the promotion of health, prevention and treatment of diseases? (10)
- Q.7** Write the classification of Virechana drugs according to modern aspect. (10)

Short notes 4 x 5 = 20 marks (ANY FOUR out of FIVE)

- Q.8** Diet Regimen prior to Virechana. (05)
- Q.9** Jivadana and its management. (05)
- Q.10** Vaman Atiyoga Chikitsa. (05)
- Q.11** Parikartika Vyapad in context to Vamana. (05)
- Q.12** Justification of the concept of Vishrama Kala prior to Vamana and Virechana (05)

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MACHINDRAGAD-(2012 COURSE): SUMMER-2016
SUBJECT: PAPER-III: BASTI KARMA AND NASYA KARYA

Day: Thursday
Date: 09/06/2016

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

N.B:

- 1) Figures to the right indicate **FULL** marks.
 - 2) Draw neat diagrams **WHEREVER** necessary.
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Long Answer Questions (LAQ) 3 x 20 = 60 marks (ANY THREE out of FOUR)

- Q.1** Write applied Anatomy and Physiology of colon with Pharmacodynamics of Basti. (20)
- Q.2** Explain the Applied Anatomy and physiology of urethra along with the pharmacodynamics of Uttarbasti. (20)
- Q.3** Write the indications and contra-indications of Nasya, its complications and their management. (20)
- Q.4** Explain ENS and its relevance to Gut Brain. (20)

Short Answer Questions (SAQ) 2 x10 = 20 (ANY TWO out of THREE)

- Q.5** Describe Basti Yantra in detail along with its Doshas. (10)
- Q.6** What are the Samyak, Ayoga and Atiyoga symptoms of Anuvasana Basti? (10)
- Q.7** Describe Dhuma Nasya in detail. (10)

Short notes 4 x 5 = 20 marks (ANY FOUR out of FIVE)

- Q.8** Nasya Matra according to Acharya Sharangdhara. (05)
- Q.9** Mustadi Yapana Basti. (05)
- Q.10** Nasya Chikitsa in Unmada Vyadhi. (05)
- Q.11** Difference between Marsha and Pratimarsha Nasya. (05)
- Q.12** Avapeedaka Nasya. (05)

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MACHINDRAGAD-(2012 COURSE): SUMMER-2016
SUBJECT: PAPER-IV: RAKTAMOKSHAN, PHYSIOTHERAPY AND DISEASE WISE
PANCHAKARMA

Day: Friday
Date: 10/06/2016

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

N.B:

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

Long Answer Questions (LAQ) 3 x 20 = 60 marks (ANY THREE out of FOUR)

- Q.1** What are the different methods of Raktamokshana on the basis of Doshas. (20)
- Q.2** Explain in detail Jalaukavcharana (20)
- Q.3** What is Physiotherapy? Describe physiology of exercise and biomechanics of human movements? (20)
- Q.4** What are the basic principles of Raktamokshana and its importance in the promotion of health, prevention and treatment of diseases? (20)

Short Answer Questions (SAQ) 2 x10 = 20 (ANY TWO out of THREE)

- Q.5** Write in detail about physiological effects of heat. (10)
- Q.6** What are the Samyak, Ayoga and Atiyoga symptoms of Raktamokshana and their management? (10)
- Q.7** What are self help devices? (10)

Short notes 4 x 5 = 20 marks (ANY FOUR out of FIVE)

- Q.8** Avedhya Sira. (05)
- Q.9** Uses of Ultrasound Therapy. (05)
- Q.10** TENS. (05)
- Q.11** Paraffin wax Therapy. (05)
- Q.12** Vigharshan Chikitsa. (05)

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RAVI – (2012 COURSE) (COMMON FOR ALL BRANCHES) : SUMMER-2016
SUBJECT : PAPER – I : RESEARCH METHODOLOGY AND BIO / MEDICAL
STATISTICS

Day : Monday
Date : 06/06/2016

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

N.B. :

- 1) Use **SEPARATE** answer sheets for each section.
- 2) Draw neat diagrams **WHEREVER** necessary.

SECTION - A

Long answer questions (LAQ) 2 x 15 = 30 Marks :

Write **Any TWO** long questions out of **THREE** :

- Q.1** Write in details about ancient and advance methodology for Drug Research. (15)
- Q.2** Describe different methods of literature review with advantages and limitations. (15)
- Q.3** Explain importance and methods of fundamental research with examples. (15)

Short notes 6 x 5 = 30 Marks :

- Q.4** Write **Any SIX** short notes out of **SEVEN** : (30)
- a) Phase IV clinical trail
 - b) Importance of pharmacovigilance
 - c) Bibliography writing methods
 - d) Retrospective studies
 - e) Importance of Survey study
 - f) Network physiology
 - g) Tantrayukti and Research

SECTION -B

Long answer questions (LAQ) 2 x 15 = 30 Marks :

Write **Any TWO** long questions out of **THREE** :

- Q.1** The following data gives the values of acidic reactions of solution (pH test). Test whether there is a significant difference between 2 groups. (15)
- | | | | | | | |
|---------|-----|-----|-----|-----|-----|-----|
| Group A | 7 | 7.8 | 7.9 | 8 | 7.6 | 7.4 |
| Group B | 6.8 | 7.4 | 7 | 7.2 | 7.4 | 6.7 |
- (Where $t_g = 2.262$)
- Q.2** What is sampling, explain random and non random sampling in details. (15)
- Q.3** Explain nonparametric tests and write down any one test with illustration. (15)

Short notes 2 x 5 = 10 Marks :

- Q.4** Write **Any TWO** short notes out of **THREE** : (10)
- a) Prevalence
 - b) Standard error
 - c) Types of variables
- * * * * *

RAVI - I (2012 COURSE) (COMMON FOR ALL BRANCHES) : WINTER - 2016
SUBJECT : PAPER – I : RESEARCH METHODOLOGY AND BIO / MEDICAL STATISTICS

Day : Monday
Date : 28/11/2016

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

N.B. :

- 1) Use **SEPARATE** answer sheets for each section.
- 2) Draw neat diagrams **WHEREVER** necessary.

SECTION - A

Long answer questions (LAQ) 2 x 15 = 30 Marks :

Write **Any TWO** long questions out of **THREE** :

- Q.1** Write definition of research and describe in detail the principles and methods of toxicity study. (15)
- Q.2** Write in detail about cohort study and randomized controlled trials and their types with examples. (15)
- Q.3** Write about different types of referencing and bibliography. (15)

Short notes 6 x 5 = 30 Marks :

- Q.4** Write **Any SIX** short notes out of **SEVEN** : (30)
- a) Hypothesis formation
 - b) Importance of Animal study
 - c) Concepts of system biology
 - d) Application of yukti praman in research
 - e) Process of Drug discovery
 - f) Types of survey study
 - g) Importance of good manufacturing practices

SECTION - B

Long answer questions (LAQ) 2 x 15 = 30 Marks :

Write **Any TWO** long questions out of **THREE** :

- Q.1** Write concepts, relevance and general applications of biostatistics in Ayurved. (15)
- Q.2** Write definition, types and laws of probability. (15)
- Q.3** Following data shown effect of Ajamoda (*Carum roxburghianum*) churna on weight of children in intestinal nematodes. (15)
Check this significantly effective or not ($t_g = 2.306$)
- | | | | | | | | | | |
|-----------|----|----|----|----|----|----|----|----|----|
| Weight BT | 20 | 18 | 19 | 18 | 23 | 30 | 25 | 26 | 25 |
| Weight AT | 23 | 21 | 19 | 19 | 25 | 30 | 26 | 27 | 24 |

Short notes 2 x 5 = 10 Marks :

- Q.4** Write **Any TWO** short notes out of **THREE** : (10)
- a) Statistical software
 - b) Inclusive and exclusive classification
 - c) P value
- * * * * *

RAVI – (2012 COURSE): SUMMER – 2016
SUBJECT: PAPER – II: PANCHKARMA

Day: Wednesday
Date: 08/06/2016

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

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 2) Answers to both the sections should be written in **SEPARATE** answer books
- 3) Draw diagrams **WHEREVER** necessary.

SECTION-A

Long Answer Questions (LAQ) 2 x 15 = 30

- Q.1** Describe applied anatomy, physiology and methods of examination of (15)
Cardiovascular System in detail.
- Q.2** What are the principles of Chikitsa? Describe Shadavidha Upakrama and its (15)
role in Panchakarma Chikitsa.

Short Answer Questions (SAQ) 1 x 10 = 10 Marks.

- Q.3** Describe Applied Anatomy of Small and Large intestine. (10)

Short notes 2 x 5 = 10 Marks:

- Q.4** Write any **TWO** short notes out of **THREE**: (10)
- a) Examination of lumbar and cervical disorders
 - b) Knowledge and method of examination of skin lesions in Urticaria.
 - c) Applied anatomy and physiology of cranial and peripheral nerves

SECTION -B

Long Answer Questions (LAQ) 2 x 15 = 30

- Q.5** Describe importance of Panchakarma in Swastha Vyakti and applied aspect of (15)
Koshtha and Agni in Shodhana.
- Q.6** Describe importance of Purva and Paschat karma in Panchakarma. (15)

Short Answer Questions (SAQ) 1 x 10 = 10 Marks.

- Q.7** Describe the following instruments used in panchakarma in ancient times and (10)
the possible modification therein now:
- | | |
|-------------------|-----------------------|
| i) Nadi Yantra | ii) Siravedha |
| iii) Nasya Yantra | iv) Shirodhara Yantra |

Short notes 2 x 5 = 10 Marks:

- Q.8** Write any **TWO** short notes out of **THREE**: (10)

i) Properties of Manda, Pava, Vileni and Yavagu

