

YERALA (2012 COURSE): SUMMER-2016
SUBJECT: PAPER-I
NAMARUPA VIGYANA (AYURVEDS AND MODERN PHARAMCOGNOSY)

Day: Monday
Date: 06/06/2016

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

N.B:

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

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

- Q.1 Discuss importance of Nama-Rupa-Vigyana in Dravyaguna and explain that How Nama-Rupa helps in identification of Ausadha Dravya?
- Q.2 Explain importance of macroscopic and microscopic identification of plant drug, illustrate with suitable examples.
- Q.3 Write about unorganized drug and it's evaluation methods with suitable examples.
- Q.4 Write down the importance of various classification mentioned in Brihatrayee.

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

- Q.5 Write the contents and importance of Ayurvedic pharmacopoeia.
- Q.6 Illustrate macroscopic features of: i) Sarpandha ii) Vasa
- Q.7 Write in detail about tissue culture techniques.

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

- Q.8 Magic Remedies Act.
- Q.9 Drugs and cosmetics Act, 1940.
- Q.10 Balapanchaka.
- Q.11 Genetically modified plants.
- Q.12 Morphological characteristics of Malvaceae family.

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YERALA (2012 COURSE): SUMMER-2016
SUBJECT: PAPER-II
GUNA KARMA VIGYAN (AYURVEDIC AND MODERN PHARMACOLOGY)

Day: Tuesday
Date: 07/06/2016

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

N.B:

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

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

- Q.1 Write down the applied aspect of Rasapanchak in Chikitsa with suitable examples.
- Q.2 Write importance of Panchamahabhuta and bhautika compositions of Shadarasa with their influence on three doshas.
- Q.3 Write fundamental principles of General Pharmacology.
- Q.4 Explain the toxicological and safety evaluation of Ayurvedic drugs.

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

- Q.5 Explain the difference of opinion regarding Virya and its applicability in Chikitsa.
- Q.6 Write clinical importance of following Karma Shwasha Karma and Kasaha Karma.
- Q.7 Write on basic knowledge on experimental pharmacology.

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

- Q.8 Mansa Varga.
- Q.9 Amalaki Vaysthapananam.
- Q.10 Parthiva dravya.
- Q.11 Anti-diabetic experimental model.
- Q.12 Shonitsthapan karma.

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YERALA (2012 COURSE): SUMMER-2016
SUBJECT: PAPER-IV
NIGHANTU AND YOGA VIGYANA (MATERIA MEDICA AND FORMULATIONS)

Day: Friday
Date: 10/06/2016

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

N.B:

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

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

- Q.1** Discus the Panchvidha kashay Kalpana and their importance in Chikitsa.
Q.2 Describe contents and Salient features of Rajnighantu.
Q.3 Write on Ekala Aushadha Kalpana as mentioned in Sharangadhara Samhita.
Q.4 Describe in detail about Avaleha and Raskriya Kalpana with examples.

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

- Q.5** Discuss general awareness on Aharayogi.
Q.6 Write in detail about Coloring, Flavoring agent and Preservatives.
Q.7 Write down the contribution of Acharya Priyavrat Sharma in the filed of Dravya guna vigyan.

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

- Q.8** Ekala Aushadha Kalpana of Charaka Samhita.
Q.9 Priya Nighantu.
Q.10 Indian council of Medical Research (ICMR) and publications.
Q.11 Nutraceuticals.
Q.12 Plant extract.

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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
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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
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RAVI — (2012 COURSE); SUMMER – 2016
SUBJECT: PAPER – II: DRAVYA GUNA VIGYANA

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 Explain classification of Dravyas described in Bruhatrayi. (15)
- Q.2 Explain applied aspect of Sharira guna in Chikitsa. (15)

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

- Q.3 Explain Matravichara in detail according to Ayurved and Modern View. (10)

Short notes 2 x 5 = 10 Marks:

- Q.4 Write any **TWO** short notes out of **THREE**: (10)
- a) Trividha Vipakvad
 - b) Aushadhi Sevanakala
 - c) Definition of 'Karma' and its Pradhanya

SECTION -B

Long Answer Questions (LAQ) 2 x 15 = 30

- Q.5 Explain importance of Clinical pharmacology. (15)
- Q.6 Explain general principles of various Good cultivation practices and Good collection practices. (15)

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

- Q.7 Explain evolution of Dravyagunavigyana with special emphasis on Nighantu. (10)

Short notes 2 x 5 = 10 Marks:

- Q.8 Write any **TWO** short notes out of **THREE**: (10)
- a) Pharmacovigillance
 - b) Methodology of studying unidentified drug

YERALA (2012 COURSE): WINTER - 2016
SUBJECT: PAPER-I
NAMARUPA VIGYANA (AYURVEDS AND MODERN PHARAMCOGNOSY)

Day: Monday
Date: 28/11/2016

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

N.B:

- 1) Draw neat diagrams **WHEREVER** necessary.
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Long Answer Questions (LAQ) (ANY THREE out of FOUR) 3 x 20 = 60 Marks.

- Q.1** Explain importance of Sandigdha dravya (controversial drugs) in Ayurveda and its solution.
- Q.2** Discuss basis of Basonym and Synonyms of Audbhida origin dravya.
- Q.3** Describe method of drug standardization and importance of Quality control of single and compound formulations.
- Q.4** Describe the classification of Ahardravya in Samhita and Nighantu.

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

- Q.5** Write down the importance of GAP. (Good Agricultural Practices)
- Q.6** Illustrate macroscopic and microscopic character of following:
i) Bala ii) Katuka
- Q.7** Discuss briefly on TKDL.

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

- Q.8** Biodiversity Act.
- Q.9** Intellectual Property Right.
- Q.10** Qualitative and Quantitative analysis.
- Q.11** Ash value and acid insoluble ash.
- Q.12** Endangered medicinal species.

YERALA (2012 COURSE): WINTER - 2016
SUBJECT: PAPER-II
GUNA KARMA VIGYAN (AYURVEDIC AND MODERN PHARMACOLOGY)

Day: Tuesday
Date: 29/11/2016

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

N.B:

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

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

- Q.1** Write in detail about Karmatmak classification described in Brihatrayee.
- Q.2** Discuss importance of Aharadravya and Ahara-varga as found in Sushruta Samhita.
- Q.3** Explain fundamental principles of drug action in Ayurveda.
- Q.4** Explain the applied aspect of Karmanya guna with suitable examples.

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

- Q.5** Explain-Sanshodhan-Sanshaman Karma.
- Q.6** Discuss purification of poisonous plant drugs.
- Q.7** Write experimental pharmacological model on hepatoprotective activity.

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

- Q.8** Anukta-dravya and its Guna-Karma.
- Q.9** Kritanna varga and its relevance in disease.
- Q.10** Heavy metal analysis.
- Q.11** Khadir-Kushthghna
- Q.12** Garbhsthapan karma.

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YERALA (2012 COURSE): WINTER - 2016
SUBJECT: PAPER-III
PRAYOGAVIGYANA (PHARMACOTHERAPEUTICS/ CLINICAL
PHARMACOLOGY)

Day: Thursday
Date: 01/12/2016

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

N.B:

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

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

- Q.1** Explain the Bhaishajya Prayoga Siddhant (Principles of drug administration).
- Q.2** Discuss Amayika prayoga (therapeutic uses) of followings- Triphala, Trikatu and Dashamula.
- Q.3** Explain Aushadha Sevenakal (Time of drug administration) and its importance in Chikasa.
- Q.4** Discuss Pharmacovigilance in Ayurveda and its importance in present time.

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

- Q.5** Write briefly on principles of Yoga vijnana (compounding).
- Q.6** Importance of clinical pharmacology in Ayurveda.
- Q.7** Discuss complete Prescription writing and its relevance in Ayurveda.

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

- Q.8** Haritaki-Pathyanam.
- Q.9** Anupan.
- Q.10** Pharmacogenomics.
- Q.11** Vividha kalpana (dosage forms).
- Q.12** Adverse drug reactions.

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YERALA (2012 COURSE): WINTER - 2016
SUBJECT: PAPER-IV
NIGHANTU AND YOGA VIGYANA (MATERIA MEDICA AND FORMULATIONS)

Day: Friday
Date: 02/12/2016

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

N.B:

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

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

- Q.1** Discus Sneha kalpana and principles behind it with suitable examples,
- Q.2** Explain etymology of Nighantu, their relevance and importance in Ayurveda.
- Q.3** Discuss Svarasa, Kalka, Shrita, Shita and Phanta Kalpana with suitable five examples of each one.
- Q.4** Describe the importance of pathyapathya Vibodnaka (Kaiyadev Nighantu) and important contents in it.

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

- Q.5** Discuss briefly about excipients and food additives.
- Q.6** Explain Asava and Arista kalpana.
- Q.7** Write your views on the Ayurvedic Formulary of India.

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

- Q.8** Shodhal Nighantu.
- Q.9** Cosmoceuticals.
- Q.10** Kwathkaplana
- Q.11** Madhav dravyagana.
- Q.12** Pharmacopocia.

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