

HINDOLA : (2012 COURSE) : SUMMER – 2016
SUBJECT : PAPER – I : AGADTANTRA – AYURVEDIC AND CONTEMPORARY
TOXICOLOGY

Day : Monday
Date : 06/06/2016

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.
- 3) Draw neat and labeled diagrams wherever necessary.

Long Answer Questions : Answer any **THREE** out of **FOUR**:

- Q.1** Define Rabies and state the etiopathogenesis and symptoms enlisted by ancient and contemporary sciences. (20)
- Q.2** Explain the concept of 'Dooshi visha' with its contemporary relevance. (20)
- Q.3** Explain in detail the differential diagnosis of 'Pin point pupils' from the toxicological point of view. Which upavisha shows pin point pupils as a cardinal sign of intoxication? State the other symptoms seen in such poisoning. (20)
- Q.4** What are insecticides? Define Organo Phosphorous compounds, state their route of toxicity, mode of action and explain in detail the symptoms arising in each type. (20)

Short Answer Questions: Answer any **TWO** out of **THREE**:

- Q.5** State characteristic features of Plumbism and its medicolegal aspect. (10)
- Q.6** State the signs of Sulphuric Acid Poisoning. (10)
- Q.7** Explain the term Visha Sankat and enlist the Visha Vegas as state by Charakacharya. (10)
- Q.8** Short notes : Answer any **FOUR** out of **FIVE**: (20)
- a) Jaangam Visha Adhishthaan
 - b) Shankavisha and its management
 - c) Features of industrial toxicity
 - d) Visha Samprapti
 - e) Botulism

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HINDOLA : (2012 COURSE) : SUMMER – 2016
SUBJECT : PAPER – II : VISHA CHIKITSA VIGYAN – MANAGEMENT OF
POISONING

Day : Tuesday
Date : 07/06/2016

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.
- 3) Draw neat and labeled diagrams wherever necessary.

Long Answer Questions : Answer any **THREE** out of **FOUR**:

- Q.1** Quote the 24 treatment modalities state by Charakacharya. Which of these (20)
can be employed in case of Sthavara Visha Badha?
- Q.2** Write in detail the line of treatment to be followed in a case of Rajimant (20)
Sarpadansha with respect to ancient and contemporary aspects.
- Q.3** What is the Scandinavian method of management in case of poisoning? (20)
Explain in brief the general principles of management currently employed
in treatment of poisoning.
- Q.4** Management of acute and chronic alcoholism. (20)

Short Answer Questions: Answer any **TWO** out of **THREE**:

- Q.5** State the Ayurvedic Management of Alarka visha. (10)
- Q.6** State the management of Barbiturate poisoning. (10)
- Q.7** Garavisha Chikitsa. (10)
- Q.8** Short notes : Answer any **FOUR** out of **FIVE**: (20)

- a) E.D.T.A.
- b) Dooshit Vastra Visha Badha Lakshan
- c) Luta Visha Chikitsa
- d) Emesis
- e) Medicolegal aspects of Laangali Visha Badha

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HINDOLA : (2012 COURSE) : SUMMER – 2016
SUBJECT : PAPER – III : VYAVAHAR AYURVED AVUM VIDHI VAIDYAKA

Day : Thursday
Date : 09/06/2016

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.
- 3) Draw neat and labeled diagrams wherever necessary.

Long Answer Questions : Answer any **THREE** out of **FOUR**:

- Q.1** Define death, state its sign and explain Algor Mortis and Saponification in detail. (20)
- Q.2** Define Asphyxia and explain its vicious cycle. Describe types of strangulation in detail. (20)
- Q.3** What are sexual offences? Define rape in detail and examination of accused. (20)
- Q.4** Classify injuries and explain Lacerations in detail. (20)

Short Answer Questions: Answer any **TWO** out of **THREE**:

- Q.5** Drug and cosmetic act of 1940. (10)
- Q.6** Forensic science laboratory. (10)
- Q.7** Explain age determination on the basis of teeth. (10)
- Q.8** Short notes : Answer any **FOUR** out of **FIVE**: (20)
- a) Corpus Delictii
 - b) Medicolegal aspects of insanity
 - c) Consumer Protection Act
 - d) Surrogate Motherhood and its Medicolegal Aspects
 - e) Dying deposition

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HINDOLA : (2012 COURSE) : SUMMER – 2016
SUBJECT : PAPER – IV : AUSHADHA YOGA VIGYAM

Day : Friday
Date : 10/06/2016

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.
- 3) Draw neat and labeled diagrams wherever necessary.

Long Answer Questions : Answer any **THREE** out of **FOUR**:

- Q.1** Define antidotes, classify them and explain each type in brief. (20)
- Q.2** Define Agad and write about Bilwadi Gulika, its ingredients and uses as per ancient and contemporary conditions. (20)
- Q.3** Enlist the process of Shodhan and or Maaran for : (20)
i) Tamra ii) Vatsanabh
iii) Kuchala iv) Hartaal
Also state two formulations for each drug.
- Q.4** Explain the term clinical toxicology. State its relevance in context of chronic toxicity with respect to heavy metal toxicity. (20)

Short Answer Questions: Answer any **TWO** out of **THREE**:

- Q.5** What is toxicogenomics? State its technique and applications. (10)
- Q.6** Methods of chemical and analytical examination in detection of Poison. (10)
- Q.7** Write in detail about any two Agadas employed in Mandali Sarpa Chikits. (10)
- Q.8** Short notes : Answer any **FOUR** out of **FIVE**: (20)

- a) Sanjeevani and Vati
- b) P.A.M.
- c) Electrophoresis
- d) Vishaghna dashamani
- e) Siddhartaka Agad

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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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WINTER - 2016

RAVI - I (2012 COURSE) (COMMON FOR ALL BRANCHES) :
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 (tg = 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: AGAD TANTRA EVAM VIDHI VAIDYAKA

Day: Wednesday
Date: 08/06/2016

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

N.B.:

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

SECTION-A

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

- Q.1** Define Dooshivisha. Write its signs and symptoms along with management. (15)
- Q.2** What is Janpadodhvamsajanya Roga? Explain air pollution and its management. (15)

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

- Q.3** Define poison according to Ayurved and contemporary science. Explain the Visha Guna mentioned by various Acharyas. (10)

Short notes 2 x 5 = 10 marks

- Q.4** Write any **TWO** short notes out of **THREE**: (10)
- 1) Arishtabandhan Upakrama
 - 2) Sthavar visha samnya lakshana and chikitsa
 - 3) summons

SECTION- B

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

- Q.5** Write medico-legal definition of 'Death'. Describe the muscular changes seen after death. (15)
- Q.6** Explain in detail the 'Mada Avastha'. (15)

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

- Q.7** What is medical ethics? Explain the duties of physician in suspected case of poisoning. (10)

Short notes 2 x 5 = 10 marks

- Q.8** Write any **TWO** short notes out of **THREE**: (10)
- 1) Pharmacological antidote
 - 2) Botulism
 - 3) Differentiate between Civil and Criminal Negligence

