

TISTA (2012 COURSE): SUMMER- 2016
SUBJECT: PAPER –I: FUNDAMENTAL PRINCIPLES OF ROGNIDANA

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.

Long Answer questions (**LAQ**) (Any **THREE** out of **FOUR**):
(3X20=60 Marks)

- Q.1** Explain in detail “Shat Kriya Kala” and its role in manifestation of diseases. (20)
- Q.2** How “Agni” plays role in health and disease generation at various levels. (20)
- Q.3** Explain the significance of “Nidan”, its classification and its role on disease production. (20)
- Q.4** Write about the Samanya Lakshanas of “Stroto Dusti,” its scientific explanation along with suitable examples. (20)

Short Answer questions (**SAQ**) (Any **TWO** out of **THREE**):
(2X10 = 20 Marks)

- Q.5** Write importance of Upashaya in diagnosis of disease along with suitable examples. (10)
- Q.6** Describe Sama and Niram Lakshanas of Dosha, Dhatu, and Mala. (10)
- Q.7** Explain the importance of Rogamarga in disease. (10)

Short notes (Any **FOUR** out of **FIVE**): (4X5= 20 Marks)

- Q.8** Ama Lakshana (05)
- Q.9** Vyadhisankar (05)
- Q.10** Doshapaka & Dhatupaka (05)
- Q.11** Khavaigunya (05)
- Q.12** Applied aspects of Ashraya- Ashrayi Bhava (05)

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TISTA (2012 COURSE): SUMMER- 2016
SUBJECT: PAPER -II: ROGA VIJNANA

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.

Long Answer questions (LAQ) (Any **THREE** out of **FOUR**):
(3X20= 60 Marks)

- Q.1 Discuss the Hetu, Samprapti and Lakshanas of "Rajyakshama". (20)
- Q.2 Describe about the Hetu, Samprapti and types of "Udararoga". (20)
- Q.3 Write the Hetu, Samprapti, Upadravas of 'Medoroga'. (20)
- Q.4 Describe the Nidan Panchaka of "Pandu Vyadhi". (20)

Short Answer questions (SAQ) (Any **TWO** out of **THREE**):
(2X10= 20 Marks)

- Q.5 Types of Prameha and their probable modern co- relation. (10)
- Q.6 Write the details about Ischemic Heart Disease. (10)
- Q.7 Write Hetu, Samprapti and types of Vishama Jwara. (10)

Short notes (Any **FOUR** out of **FIVE**): (4X5= 20 Marks)

- Q.8 Gridhrasi (05)
- Q.9 Gout (05)
- Q.10 Chardi (05)
- Q.11 Kamala (05)
- Q.12 Parkinson's disease (05)

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TISTA (2012 COURSE): SUMMER- 2016
SUBJECT: PAPER –III: PARIKSHA VIJNANA
(CLINICAL EXAMINATION AND LABORATORY DIAGNOSTICS)

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.

Long Answer questions (LAQ) (Any **THREE** out of **FOUR**):
(3X20= 60 Marks)

- Q.1 Describe the details 'Dashavidha Pariksha' and its significance. (20)
- Q.2 Explain the "Shadvidha Pariksha" of Sushruta. (20)
- Q.3 Explain the "Astasthan Pariksha" and the details about "Nadi Pariksha". (20)
- Q.4 Describe A standard laboratory setup and disposable of biohazardous material. (20)

Short Answer questions (SAQ) (Any **TWO** out of **THREE**):
(2X10= 20 Marks)

- Q.5 Write about clinical interpretation of ECG. (10)
- Q.6 Write the details of 'CSF' examination. (10)
- Q.7 Write the method of estimation & significance of bile salt- bile pigment examination. (10)

Short notes (Any **FOUR** out of **FIVE**): (4X5= 20 Marks)

- Q.8 Gram's staining (05)
- Q.9 Lipid profile (05)
- Q.10 Kidney function test (05)
- Q.11 Diagnosis of Anaemia (05)
- Q.12 Ayurvedic diagnostic software (05)

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TISTA (2012 COURSE): SUMMER- 2016
SUBJECT: PAPER –IV: VIKRITI VIJNANA AND JIVANU VIJNANA
(GENERAL PATHOLOGY, PARASITOLOGY AND MICROBIOLOGY)

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.

Long Answer questions (**LAQ**) (Any **THREE** out of **FOUR**):
(3X20= 60 Marks)

- Q.1 Define Immunology and types of Hypersensitivity reactions along with examples. (20)
- Q.2 Define Inflammation. (20)
- Q.3 Explain communicable diseases and describe mode of transmission of HIV. (20)
- Q.4 Describe Krimi Vigyanam with classification. (20)

Short Answer questions (**SAQ**) (Any **TWO** out of **THREE**):
(2X10= 20 Marks)

- Q.5 Describe Edema and Mechanisms of Edema (10)
- Q.6 Describe Bija Dosha (10)
- Q.7 Write Cellular Adaptations with suitable examples (10)

Short notes (Any **FOUR** out of **FIVE**): (4X5= 20 Marks)

- Q.8 Necrosis (05)
- Q.9 Tuberculosis (05)
- Q.10 Life cycle of Malarial parasite (05)
- Q.11 Blood agar (05)
- Q.12 Filariasis (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
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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: ROG NIDAN AVUM VIKRUTI VIGYANA

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

- Q.1** Describe clinical application of Shatkriyakal in diagnosis of disease. (15)
- Q.2** Explain Hetu and typewise Samprapti of Rajayakshma according to Charak Nidan sthan. (15)
- Q.3** Explain concept of Srotas. Write Srotodushti Samanya Hetu and Samanya Lakshanas with appropriate examples. (10)
- Q.4** Write short notes (ANY TWO) (10)
- 1) Indria pradoshaj vikar
 - 2) Importance of Arista
 - 3) Jivha Parikshan

SECTION- B

- Q.5** Describe importance of X-ray, CT scan and MRI in diagnosis of respiratory tract diseases. (15)
- Q.6** Explain assessment criteria for Rogi bala and Roga bala parikshan. Write its interpretation to plan chikitsa. (15)
- Q.7** Explain Role of USG in acute abdomen. (10)
- Q.8** Write short notes (ANY TWO) (10)
- 1) Agni bala parikshan
 - 2) Chetas bala parikshan
 - 3) Role of ECG in cardiac diseases

