

VARULGAD (2012 COURSE): SUMMER-2016
SUBJECT: PAPER-I: NETRA ROG VANGMAYA

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.
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Long Answer Question (any THREE out of Four): 3 x 20 = 60

- Q.1** Write in detail about the development of Netraroga from Vedic period.
- Q.2** Write about the Netrarachana according to Auyurveda.
- Q.3** Write in detail about Timir-Kacha-Linganash.
- Q.4** Describe Samanya Hetu, Lakshan and Samanya Chikitsa of Netraroga according to Sushruta.

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

- Q.5** Explain Netrasya Panchabhoutikatwa.
- Q.6** Write about the superiority of eye among all sense organs.
- Q.7** Write about the marmas related to Netra.

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

- Q.8** Chakradutta.
- Q.9** Haritasamhita.
- Q.10** Nimi.
- Q.11** Modern literature in Ophthalmology.
- Q.12** Dalhan.

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VARULGAD (2012 COURSE): SUMMER-2016
SUBJECT: PAPER-II: AYURVEDIYA NETRA ROG VIGYAN

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 Question (any THREE out of Four): 3 x 20 = 60

- Q.1** Write in detail about the classification of Netraroga according to Sushruta.
- Q.2** Write about National programme for control of Blindness and role of Ayurveda in it.
- Q.3** Write about Nayanabhighat ad its management.
- Q.4** Write about the Savma Shukla in detail.

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

- Q.5** Describe the surgical management of Arma.
- Q.6** Write about the Ayurvedic concept of congenital diseases of Netra.
- Q.7** Write about Upanaha and its treatment.

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

- Q.8** Drushti.
- Q.9** Seka.
- Q.10** Utsangini.
- Q.11** Hatadhimanth.
- Q.12** Sashofakshipaka.

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VARULGAD (2012 COURSE): SUMMER-2016
SUBJECT: PAPER-III: ADHUNIK NETRA ROG VIGYAN

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 Question (any THREE out of Four): 3 x 20 = 60

- Q.1** Describe the clinical methods of eye examination.
- Q.2** What is accommodation? Write about the defects of accommodation and its management.
- Q.3** Write the types of Retinopathy and describe Diabetic Retinopathy in detail.
- Q.4** Write about the various neurological disorder affecting the eye.

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

- Q.5** Describe complications of cataract surgery.
- Q.6** Write in short about Keratoplasty.
- Q.7** Write the types and uses of contact lenses.

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

- Q.8** Diplopiya.
- Q.9** Non-surgical treatment of Glaucoma.
- Q.10** Ectropion.
- Q.11** Paralytic squint.
- Q.12** Nystagmus.

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VARULGAD (2012 COURSE): SUMMER-2016
SUBJECT: PAPER-IV: RECENT ADVANCES IN NETRA CHIKITSA
AND OPHTHALMOLOGY

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 Question (any THREE out of Four): 3 x 20 = 60

- Q.1** Write about different sterilization methods and fumigation techniques in ophthalmic operation theatre.
- Q.2** Write the types and uses of LASER in Ophthalmology.
- Q.3** Write the types of cataract and update advances in cataract surgery.
- Q.4** Write about the Eye bank and Eye donation in detail.

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

- Q.5** Write in short about Retinoscope and Retinoscopy.
- Q.6** Write in short about the management of Glaucoma.
- Q.7** Write in short about computer vision syndrome.

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

- Q.8** Enucleation
- Q.9** Mydriatic drugs
- Q.10** Papilloedema
- Q.11** Low vision aids
- Q.12** Retinitis pigmentosa

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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
- * * * * *

RAVI (2012 COURSE): SUMMER – 2016
SUBJECT: PAPER –II: SHALAKYA - NETRAROGA

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

SECTION-A

- Q.1** Explain Agropaharaniya in Netrachiktisa. (15)
- Q.2** Describe role of various Kriyakalpas in Netrachikitsa. (15)
- Q.3** Write about Swasthavritta related to Netra. (10)
- Q.4** Write short notes on any **TWO**: (10)
- a) Netramandal
 - b) Saptamruta loha
 - c) Chaturvidha Chikitsa Siddhant

SECTION-B

- Q.5** Write in detail about fundamentals of optic and refraction. (15)
- Q.6** Describe clinical methods of eye examination. (15)
- Q.7** Explain Eye donation and Eye banking. (10)
- Q.8** Write short notes on any **TWO**: (10)
- a) Anterior chamber
 - b) Extraocular muscles and their nerve supply
 - c) Biomedical waste

