

PATALGANGA – (2012 COURSE) : SUMMER 2016
SUBJECT: PAPER – I (GARBHA SHARIR)

Day: Monday
Date: 06/06/2016

Time: 10.00 AM TO 01.00 PM
Max Marks. 100

N.B.

Draw neat and labeled diagram **WHEREVER** necessary.

LONG ANSWER QUESTIONS (Solve any 3 X each LAQ 20 marks = Total LAQ 60 marks)

- Q.1 Define *garbha*. Explain *masanumasika garbhariddhi* and monthly development according to modern.
- Q.2 Describe in detail formation, structure and functions of placenta.. Add a note on anomalies of placenta.
- Q.3 Describe in detail development of kidneys, ascent of kidney and developmental anomalies of kidneys.
- Q.4 Explain structure of ovum and oogenesis.

SHORT ANSWER QUESTIONS (Solve any 2 X Each SAQ 10 marks = Total SAQ 20 marks.)

- Q.5 Foetal circulation.
- Q.6 Somites.
- Q.7 *Garbhotpadaka bhavas*

SHORT NOTES (Solve any 4 X Each SN 5 marks = Total SN 20 marks.)

- Q.8 *Rutumati Lakshanas*
- Q.9 *Punsanvan vidhi*
- Q.10 Fertilization with clinical co- relation .

PATALGANGA - (2012 COURSE) : SUMMER 2016
SUBJECT: PAPER – II (KOSHTHANGA, SIRA, DHAMANI, SROTAS SHARIR)

Day: Tuesday
Date: 07/06/2016

Time: 10.00 AM TO 01.00 PM
Max Marks. 100

N.B.

Draw neat and labeled diagram **WHEREVER** necessary.

LONG ANSWER QUESTIONS (Solve any 3 X each LAQ 20 marks = Total LAQ 60 marks)

- Q.1 Explain uterus with Ayurved and modern aspects.
- Q.2 Define *srotas* and explain in detail *srotasas* according to *Sushruta* and *Charaka*.
- Q.3 Describe in detail liver with lobes, anatomical relations, blood supply and clinical anatomy.
- Q.4 Define *ashaya* and explain stomach with Ayurved and modern aspects.

SHORT ANSWER QUESTIONS (Solve any 2 X Each SAQ 10 marks = Total SAQ 20 marks.)

- Q.5 Anatomy of pancreas with clinical aspects.
- Q.6 Cartilages of larynx with clinical aspects.
- Q.7 Interior of anal canal with clinical aspects.

SHORT NOTES (Solve any 4 X Each SN 5 marks = Total SN 20 marks.)

- Q.8 Anatomy of duodenum
- Q.9 Appendix with its positions and clinical co –relations.
- Q.10 *Koshthangas* according *Charaka* and *Sushruta*.
- Q.11 Extra hepatic biliary apparatus
- Q.12 Bronchopulmonary segments

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PATALGANGA - (2012 COURSE) : SUMMER 2016
SUBJECT: PAPER – III (MARMA,SHARIR, EVUM ASTHI, SANDHI, PESHI SHARIR)

Day: Thursday
Date: 09/06/2016

Time: 10.00 AM TO 01.00 PM
Max Marks. 100

N.B.

Draw neat and labeled diagram **WHEREVER** necessary.

LONG ANSWER QUESTIONS (Solve any 3 X each LAQ 20 marks = Total LAQ 60 marks)

- Q.1** Describe in detail knee joint with its structure, ligaments, movements, blood supply and clinical anatomy. Write bursae around it.
- Q.2** Write structure of bone and explain humerus with clinical anatomy.
- Q.3** Explain muscles of anterior compartment of thigh with origin, insertion, nerve supply and action.
- Q.4** Write classification of *marma*. Explain *marmas* present in *urdhva shakha*..

SHORT ANSWER QUESTIONS (Solve any 2 X Each SAQ 10 marks = Total SAQ 20 marks.)

- Q.5** Triangles of neck with contents.
- Q.6** Temporomandibular joint
- Q.7** Norma occipitalis

SHORT NOTES (Solve any 4 X Each SN 5 marks = Total SN 20 marks.)

- Q.8** Hamstring muscles.
- Q.9** Atlas vertebra with clinical anatomy.
- Q.10** Anterior cranial fossa
- Q.11** *Vishalyaghna marmas*
- Q.12** *Marmastha prana*

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PATALGANGA – (2012 COURSE) : SUMMER 2016
SUBJECT: PAPER – IV (TANTRA SHARIR EVUM ANTAH & BAHIR SRAVEE
GRANTHI SHARIR)

Day: Friday
Date: 10/06/2016

Time: 10.00 AM TO 01.00 PM
Max Marks. 100

N.B.

Draw neat and labeled diagram **WHEREVER** necessary.

LONG ANSWER QUESTIONS (Solve any 3 X each LAQ 20 marks =
Total LAQ 60 marks)

- Q.1 Explain brain stem with clinical anatomy.
- Q.2 Describe anatomy of spinal cord. Write its ascending and descending tracts with applied anatomy.
- Q.3 Explain in detail anatomy of ear with applied anatomy.
- Q.4 Describe in detail *tantra sharir* with modern co –relation .

SHORT ANSWER QUESTIONS (Solve any 2 X Each SAQ 10 marks =
Total SAQ 20 marks.)

- Q.5 Formation, composition, absorption, circulation, functions and clinical co –relations of cerebrospinal fluid.
- Q.6 Ventricular system of brain and spinal cord.
- Q.7 Describe in detail parasympathetic division.

SHORT NOTES (Solve any 4 X Each SN 5 marks = Total SN 20 marks.)

- Q.8 Hypothalamus with clinical aspects.
- Q.9 Trigeminal nerve
- Q.10 Limbic system
- Q.11 Pituitary gland
- Q.12 Circle of Willis.

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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 – RACHANA SHARIR

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) Both the sections should be written in **SEPARATE** answer books.
- 3) Draw diagrams **WHEREVER** necessary.

SECTION-I

- Q.1** Explain Matruparatantrata of garbha and write Garbhaphoshan in detail. (15)
- Q.2** Describe Srushti Utpati according to Sankhya and Ayurveda. (15)
- Q.3** Describe month wise development of Garbha according to Ayurved science. (10)
- Q.4** Write short notes on any **TWO** of the following: (10)
- a) Apara
 - b) Definition of Sharir and its importance
 - c) Histological structure of liver.

SECTION-II

- Q.5** Write the names of 'Kosthanga' and describe 'Amashaya sharir' in detail. (15)
- Q.6** Elaborate 'Shatchakra' in detail with modern anatomical relations. (15)
- Q.7** What is Srotas ? Write names of moolasthan of Sushrutokta Srotas. (10)
- Q.8** Write short notes on any **TWO** of the following: (10)
- a) Structural and functional difference between Sira and Dhamani.
 - b) Praman Sharir.
 - c) Divisions of Nervous system.

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