KAVERI – I (2008 COURSE): WINTER - 2015

SUBJECT: DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Day: Friday
Date: 06/11/2015

Time: 09.00 AM TO 12.00 NOON
Max. Marks: 70

N.B.:

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Answers to both the sections should be written in **SEPARATE** answer book.
4) Draw well labeled diagrams **WHEREVER** necessary.

SECTION-I

Q.1 Long Essay Questions: (Any **ONE**) **(10)**

What are the stages of development of tooth? Describe in detail the Advanced bell stage.

OR

Q.1 Define pulp, Write in detail functions of pulp and histology of pulp.

Q.2 Short essay questions: (Any **THREE**) **(15)**

a) Root formation in multi rooted tooth
b) Dead tracts and Sclerotic dentin
c) Tooth numbering systems
d) Phases of tooth eruption

Q.3 Write short answers on: (Any **FIVE**) **(10)**

a) Enumerate the Branchial arches.
b) Eruption time of Permanent mandibular central and lateral incisors.
c) Enumerate the special stains.
d) What are the remanents of Dental lamina and write clinical significance?
e) What is lamina propria?
f) Define Line angles and Point angles with examples.

SECTION-II

Q.4 Long Essay Questions: (Any **ONE**) **(10)**

Write difference between permanent and deciduous dentition.

OR

Describe in detail morphology of permanent maxillary first molar.

Q.5 Short essay questions: (Any **THREE**) **(15)**

a) Development of Palate
b) Clinical considerations of cementum
c) Compensating curves
d) Difference between serous and mucous acini

Q.6 Write short answers on: (Any **FIVE**) **(10)**

a) Define mamillon and write their significance.
b) Enumerate stages in amelogenesis.
c) Enumerate types of calcifications
d) Define Alveolar bone.
e) Enumerate decalcifying agents.
f) Enumerate functions of PDL

KAVERI-I (2008 COURSE) : WINTER - 2015

SUBJECT : GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY

Day : Monday
Date : 02-11-2015

Time : 9.00 A.M. To 12-00 NOON.
Max. Marks : 70.

N.B.:

1) All questions are **COMPULSORY.**
2) Both sections should be written in **SEPARATE** answer books.
3) Figures to the **RIGHT** indicate full marks.
4) Draw neat labeled diagrams **WHEREVER** necessary.

SECTION-I

Q.1 Describe the position, relations, communications and applied anatomy of Cavernous sinus. **(10)**

OR

Q.1 Describe the gross and applied anatomy of submandibular salivary gland. **(10)**

Q.2 Short essay questions (Any **Three**) **(15)**

a) Types of Nerves
b) Fibrous joints
c) Respiratory diaphragm
d) Relations and blood supply of Liver.

Q.3 Short answer questions (Any **Five**) **(10)**

a) Give functions of cartilage in body
b) Name types of epiphyses and give its examples
c) Name valves in Heart
d) Name parts of Uterus
e) Name nerves supplying Larynx
f) Give nerve supply action of Sternocleidomastoid muscle.

SECTION-II

Q.4 Describe the tongue under following heads: Muscles, Nerve supply and applied anatomy. **(10)**

OR

Q.4 Describe the gross and applied anatomy of Soft Palate. **(10)**

Q.5 Short essay questions (Any **Three**) **(15)**

a) Derivatives of 1st Pharyngeal arch
b) Sex linked Inheritance
c) Describe the microscopic structure of lung
d) Describe the microscopic structure of Spleen

Q.6 Short answer questions (Any **Five**) **(10)**

a) Name neuroglia cells and give their functions
b) Broca's area
c) Name parts of Pituitary gland
d) Name derivatives of neural crest cells
e) Draw and label microscopic structure of Lip
f) Draw and label microscopic structure of Hairy skin.

* * *

KAVERI-I (2008 COURSE) : WINTER - 2015

SUBJECT : GENERAL HUMAN PHYSIOLOGY AND BIOCHEMISTRY

Day : Wednesday
Date : 04-11-2015

Time : 9.00 A.M. To 12.00 Noon
Max. Marks : 70.

N.B.:

1) All questions are **COMPULSORY.**
2) Both sections should be written in **SEPARATE** answer books.
3) Figures to the **RIGHT** indicate full marks.

SECTION-I

Q.1 Describe the composition and functions of blood. Add a note on plasma proteins. **(10)**

OR

Describe the structure and functions of spinal cord.

Q.2 Write short note on (Any **Three**) **(15)**

a) Resting membrane potential.
b) Nephron and its functions.
c) Functions of growth hormone.
d) Deglutition reflex.

Q.3 Answer the following (Any **Five**) **(10)**

a) Positive feedback mechanism
b) Pregnancy test
c) Vitamin D
d) Taste sensation
e) Respiratory dead space
f) E.C.G.

SECTION-II

Q.4 What is normal blood glucose level? Explain the mechanisms regulating blood glucose level. [2 + 8] **(10)**

OR

What is normal blood pH? Explain the mechanisms regulating blood pH. [2 + 8]

Q.5 Write short note on (Any **Three**) **(15)**

a) Clinical significance of enzymes.
b) Structure and functions of RNAs.
c) Vitamin C.
d) Ketosis.

Q.6 Answer the following (Any **Five**) **(10)**

a) Enumerate the types and functions of lipoproteins.
b) Enlist any four characteristics of Genetic Code.
c) Name the compounds synthesized from tyrosine.
d) Write the functions of Calcium.
e) Enumerate any four Liver function tests with examples.
f) Name the different types of mutations with examples.

* * *