I – B.D.S. (2008 COURSE) : SUMMER: - 2020

SUBJECT: DENTAL ANATOMY, EMBRYOLOGY & ORAL HISTOLOGY

Day: Saturday **Time:** 9.00 A.M To 12.00 P.M.
Date: 28.11.2020 S2020 – 3791 **Max. Marks: 70**

N. B.
1) All Questions are **COMPULSORY**.
2) Draw neat labeled diagram **WHEREVER** necessary.
3) Both the sections should be written in **SEPARATE** answer book
4) Figures in the right indicates **FULL** marks.

SECTION-I

Q. 1 Long Essay **(10)**

Enumerate the stages in the life cycle of an ameloblast. Describe in detail Amelogensis.

OR

Define and classify Oral mucous membrane. Write in detail specialized mucosa.

Q.2 Write Short Essay on (any **THREE**) **(15)**
- **a)** Hertwigs epithelial root sheath
- **b)** Theories of dentin sensitivity
- **c)** Hypercementosis
- **d)** Development of the Palate

Q.3 Write Short Answer on (Any **FIVE**) **(10)**
- **a)** Define Periodontium
- **b)** Functions of teeth
- **c)** Nutrient canals in the bone
- **d)** Enumerate types of Cementum
- **e)** Clinical significance of gnarled enamel
- **f)** Odland bodies

SECTION-II

Q. 4 Long Essay **(10)**

Describe in detail the morphology of permanent maxillary first premolar.

OR

Describe in detail the morphology of permanent mandibular second premolar.

Q.5 Write Short Essay on (any **THREE**) **(15)**
- **a)** Theories of tooth eruption
- **b)** Phases of deglutition
- **c)** Compensating curves
- **d)** Decalcified section

Q.6 Write Short Answer on (Any **FIVE**) **(10)**
- **a)** Define embrasures and spill ways
- **b)** Enumerate tooth numbering system
- **c)** Bon will's tringle
- **d)** Functions of maxillary sinus
- **e)** Define line angle and point angle with examples
- **f)** Mamellons

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I – BDS (2008 COURSE) : SUMMER 2020
SUBJECT : GENERAL HUMAN ANATOMY INCLUDING EMBRYOLOGY AND HISTOLOGY

Day : Tuesday
Date : 24-11-2020

S-2020-3789

Time : 9:00 A.M. TO 12:00 NOON.
Max. Marks : 70

N.B.:

1) All questions are **COMPULSORY**.
2) Figures to the **RIGHT** indicate full mark.
3) Draw neat labelled diagrams **WHEREVER** necessary.
4) Answer to both the sections should be written on **SEPARATE** answer books.

SECTION – I

Q.1 Describe the **thyroid gland** under the following headings: parts, coverings, relations, blood supply and applied anatomy..... **(10)**

OR

Write a note on the posterior triangle of the neck under the following headings: boundaries, roof, floor, parts, contents and applied anatomy.....

Q.2 Short essay questions **(ANY THREE)** **(15)**

a) Synovial joints
b) Orbicularis oculi muscle
c) Bronchopulmonary segments
d) Classification of bones

Q.3 Write short answer **(ANY FIVE)** **(10)**

a) Which is the dangerous layer of the scalp and why?
b) Explain Waldeyers ting
c) Explain cadaveric position of the vocal cords
d) Give the nerve supply of submandibular salivary gland
e) Name any four structures present in the stomach bed
f) Give anterior relations of the right kidney

SECTION – II

Q.4 Describe the glossopharyngeal nerve under the following headings: origin with functional components, intra cranial and extra cranial course, branches and distribution and applied anatomy..... **(10)**

OR

Describe the blood supply of the face and its applied importance.

Q.5 Short essay questions **(ANY THREE)** **(15)**

a) Cavernous venous sinus
b) Draw and explain the microscopic picture of liver
c) Explain the embryogenesis of the face and its developmental anomalies
d) Karyotyping

Q.6 Write short answer **(ANY FIVE)** **(10)**

a) Name four effects of fertilization
b) Draw the microscopic picture of cardiac muscle
c) Name any four features of Down's syndrome
d) Name muscles derived from the first branchial arch
e) Give the nerve supply and action of lateral pterygoid muscle
f) Name any four branches of the external carotid artery

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I – B.D.S. (2008 COURSE) : SUMMER: - 2020

SUBJECT: GENERAL HUMAN PHYSIOLOGY & BIOCHEMISTRY

Day: Thursday **Time:** 9.00 A.M. To 12.00 P.M.
Date: 26.11.2020 S2020-3790 **Max. Marks: 70**

N. B.
1) All Questions are **COMPULSORY**.
2) Draw neat labeled diagram **WHEREVER** necessary.
3) Both the sections should be written in **SEPARATE** answer book
4) Figures to the right indicates **FULL** marks.

SECTION-I

Q. 1 Draw and label dorsal column tracts. Describe their origin, course and termination. Add a note on effect of damage to them (3+5+2=10 marks) **(10)**

OR

Describe mechanics of respiration

Q.2 Write Notes on any **THREE** of the following: **(15)**
a) Various waves in electrocardiogram
b) Homeostasis
c) Functions of platelets
d) Actions of thyroid hormones.

Q.3 Answer Any **FIVE** of the following: **(10)**
a) Enlist properties of skeletal muscles.
b) Enlist steps of urine formation
c) Enumerate actions of estrogens
d) State Frank Starling's law
e) State functions of gastric juice
f) Enumerate four properties of reflex action

SECTION-II

Q. 4 Describe sources, RDA, functions and deficiency manifestations of calcium. Add a note on hormonal regulation of serum calcium. (1+1+2+2+4) **(10)**

OR

What is normal blood pH? Describe the role of blood buffers and kidney in maintenance of blood pH. (1+4+5)

Q.5 Write Notes on any **THREE** of the following: **(15)**
a) Urea cycle
b) Diagnostic importance of enzymes.
c) Glucose tolerance test (GTT)
d) Jaundice

Q.6 Answer Any **FIVE** of the following: **(10)**
a) Draw and label tRNA
b) Enumerate functions of cholesterol
c) List four B complex vitamins with their active forms
d) Define ketosis and enlist ketone bodies.
e) Enlist hyperglycemic hormones.
f) Define denaturation Give two examples of denaturating agents

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