

BDS-101**BDS –I Year**

Examination, Jan.-2022

General Anatomy Including Embryology & Histology*Time: Three Hours***Marks: 35****A- SECTION****Notes:-**

- (i) **Answer should be in serial order.**
(ii) **Draw diagram wherever necessary.**

Q.1 Long answer type questions.**2x5=10**

- (i) Describe the submandibular region in detail including submandibular gland, muscles and draw neat labelled diagram showing relations of hyoglossus.
(ii) Give a detailed description of the muscles of mastication (attachment, action, nerve supply) and explain trismus.

Q.2 Write short notes on**5x3=15**

- (i) Boundaries and contents of Carotid triangle.
(ii) Ventricles of brain.
(iii) Histology of fibro-cartilage.
(iv) Layers of scalp and mention the dangerous layer of the scalp and why?
(v) Contents of infra-temporal fossa.

Q.3 Multiple Choice Questions:**1 x 10=10**

- (i) The floor of the nasal cavity is formed by
(a) Sphenoid (b) Vomer
(c) Maxilla (d) Frontal
- (ii) Which is the most numerous cell type of the dental pulp-
(a) Fibroblasts (b) Ameloblasts
(c) Langerhans cells (d) Osteocytes
- (iii) Middle meningeal artery passes throughForamen
(a) Foramen lacerum (b) Foramen ovale
(c) Foramen spinosum (d) Jugular foramen
- (iv) What is the predominant group on the principle fibers of the periodontal ligament-
(a) Horizontal group (b) Vertical group
(c) Oblique group (d) All of the above
- (v) In which layer of oral epithelium are odland bodies are seen -
(a) Stratum spinosum (b) Stratum germinativum
(c) None of the above (d) Both A & B
- (vi) Which enzyme is secreted by stratum intermedium?
(a) Cytokines (b) Alkaline phosphatase
(c) Enolase (d) Acidic anhydrase
- (vii) Which papillae of the tongue are most numerous-
(a) Fungiform (b) Circumvallate
(c) Filliform (d) All of the above
- (viii) The parotid duct pierces the buccinator muscle opposite the-
(a) Mandibular 1st molar (b) Maxillary 2nd molar
(c) Maxillary canine (d) Mandibular 2nd molar
- (ix) Large number of goblet cells are seen in
(a) Stomach (b) Deuodenum
(c) Small intestine (d) Large intestine
- (x) Which of the following is the master gland of the endocrine system?
(a) Adrenal (b) Pineal
(c) Pituitary (d) Thyroid

B -SECTION

Marks 35

Notes:-

- (i) Answer should be in serial order.
- (ii) Draw diagram wherever necessary.

Q.1 Long answer type questions.

2x5=10

- (i) Development of mandible, nerve, blood supply and label the parts with muscle attachments.
- (ii) Describe the TMJ under the following heads: Type, articular surfaces, ligaments, nerve and blood supply.

Q.2 Write short notes on

5x3=15

- (i) Boundaries and contents of posterior triangle.
- (ii) Superolateral surface of Cerebral hemisphere
- (iii) Osteon
- (iv) Cavernous sinus.
- (v) Mandibular nerve.

Q.3 Multiple Choice Questions:

1 x 10=10

- (i) Repeated exposure of the teeth to gastric contents (e.g. due to vomiting) may result in which of the following conditions?
 - (a) Abrasion
 - (b) Attrition
 - (c) Caries
 - (d) Erosion
- (ii) Movement only in the menisco-temporal (upper) compartment of temporomandibular joint takes place in which of the following motions of the mandible?
 - (a) Closing fully
 - (b) Closing slightly
 - (c) Opening slightly
 - (d) Opening wide
- (iii) Which of the following is the last succedaneous tooth to erupt?
 - (a) Maxillary canine
 - (b) Mandibular canine
 - (c) Maxillary first premolar
 - (d) Mandibular first premolar
- (iv) The identifying number of the permanent mandibular left second molar in the FDI numbering system is:
 - (a) 2
 - (b) 17
 - (c) 18
 - (d) 37
- (v) External jugular vein drains into-
 - (a) Facial vein
 - (b) Internal jugular vein
 - (c) Retromandibular vein
 - (d) Subclavian vein
- (vi) Merkel cells are likely to be found in which of the following tissues?
 - (a) Epithelium
 - (b) Papillary lamina propria
 - (c) Periosteum
 - (d) Reticular lamina propria
- (vii) Which of the following papillae of the tongue are dome shaped with taste buds on the superior surface and are present scattered on the anterior 2/3 rd of the tongue?
 - (a) Circumvallate papillae
 - (b) Filiform papillae
 - (c) Foliate papillae
 - (d) Fungiform papillae
- (viii) Artery palpable at the anterior border of masseter is..... artery
 - (a) Superficial temporal
 - (b) Facial
 - (c) Lingual
 - (d) Maxillary
- (ix) Waldey's lymphatic ring is formed by all except-
 - (a) Tubal tonsil
 - (b) Pharyngeal tonsil
 - (c) Palatine tonsil
 - (d) Retropharyngeal tonsil
- (x) Number of chromosomes in human being -
 - (a) 44
 - (b) 23
 - (c) 48
 - (d) 46
