

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM**  
**(Deemed to be University)**

**BDS DEGREE EXAMINATION – August 2018**  
**First Year**

**GENERAL ANATOMY INCLUDING EMBRYOLOGY AND**  
**HISTOLOGY**

Time: Three hours

Maximum: 100 marks

**SECTION – A**  
**Answer ALL Questions**

**I. ESSAY:** **(1 x 15 = 15)**

1. Write in detail about the origin, course and branches of maxillary artery

**II. WRITE SHORT NOTES ON:** **(3 x 5 = 15)**

2. Synovial joints - classify and give examples
3. Oogenesis
4. Histology of tooth

**III. WRITE BRIEFLY ON:** **(10 x 2 = 20)**

5. Name the derivatives of second pharyngeal arch
6. Name the muscles of larynx, their action and nerve supply
7. Name the structures forming TONSILLAR BED
8. Mention the Secretomotor nerve supply of submandibular salivary gland
9. Name the structures passing through the internal auditory meatus of skull
10. Location and functional importance of BROCA'S area
11. Name the cranial nerve nuclei located in the medulla oblongata
12. Name the parts and nerve supply of orbicularis oculi muscle
13. Name the papillae on the dorsum of tongue and its Epithelium
14. Mention two histological features of thymus gland

-- (2)--

**SECTION – B**

**Answer ALL Questions**

**IV. ESSAY:**

**(1 x 15 = 15)**

15. Write in detail about the parotid gland under the following headings
- a) Type
  - b) parts and relations
  - c) Structures within the gland
  - d) Blood supply and nerve supply
  - e) Applied anatomy

**V. WRITE SHORT NOTES ON:**

**(3 x 5 = 15)**

- 16. Lingual nerve
- 17. Corpus callosum
- 18. Boundaries and contents of middle ear cavity

**VI. WRITE BRIEFLY ON:**  
**20)**

**(10 x 2 =**

- 19. Name four salient features of foetal skull
- 20. Name the parts of lacrimal apparatus
- 21. Mention the development of pituitary gland
- 22. Name the arteries supplying the thyroid gland and their source of origin
- 23. Name the parts of ethmoidal bone
- 24. Mention the formation of ansa cervicalis and name two muscles supplied by it
- 25. Name the muscles supplied by the spinal accessory nerve
- 26. Name the cranial nerves emerging from the midbrain
- 27. Name the component nuclei of basal ganglia
- 28. Mention the structures related superficial and deep to hyoglossus muscle

\*\*\*\*\*

(Sl.No.M19068)