

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

M.S. DEGREE EXAMINATION - October 2018

OTORHINOLARYNGOLOGY

**PART-I – PAPER- I : APPLIED BASIC SCIENCES IN
OTORHINOLARYNGOLOGY**

Time: Three hours

Maximum: 100 marks

(Answer **ALL** questions)
Draw suitable diagrams wherever necessary

SECTION – A

Write essays on: **(1 x 20 = 20)**

1. Describe the development of larynx and discuss the congenital anomalies of larynx.

Write short notes on: **(5 x 6 = 30)**

2. Fourth brachial cleft anomalies
3. Sphincters of esophagus
4. Proton-pump inhibitors
5. Hypotensive anesthesia
6. Aspergillosis

SECTION – B

Write essays on : **(1 x 20 = 20)**

7. Write in detail about the middle ear cleft and discuss the various surgical procedures in relation to middle ear.

Write short notes on: **(5x 6 = 30)**

8. Ectopic thyroid tissue
9. Human papilloma virus
10. Mucous blanket
11. Physiology of deglutition
12. Anatomy of bronchial tree
