

ESSAY REVIEWS

DR. BEDA OLABU

DECEMBER 2016

PART 1: HEAD AND NECK

Write notes on the thyroid gland under the following subheadings:

a) Relations (10 marks)

b) Blood supply (8 marks)

c) Light microscopic organization (10 marks)

d) Development and two congenital anomalies (7 marks)

Outline the origin, course, distribution and clinical anatomy of the facial nerve (20 marks)

Give an account of the name and location of nuclei, preganglionic nerve, relay ganglia and one final distribution of cranial **GVE** (20 marks)

Outline the classes of cells of the adenohypophysis. Indicate the secretions of each cell mentioned (15 marks)

Describe the innervation to the parotid gland

(15 marks)

Describe the anatomy of the retina under the following subheadings

- a) Development and congenital anomalies (10 marks)
- b) Classes of the cell types and their roles (10 marks)
- c) Components and role of the blood retinal barrier (3 marks)

Describe the innervation of the larynx

(10 marks)

Describe the anatomy of the tongue under the following subheadings:

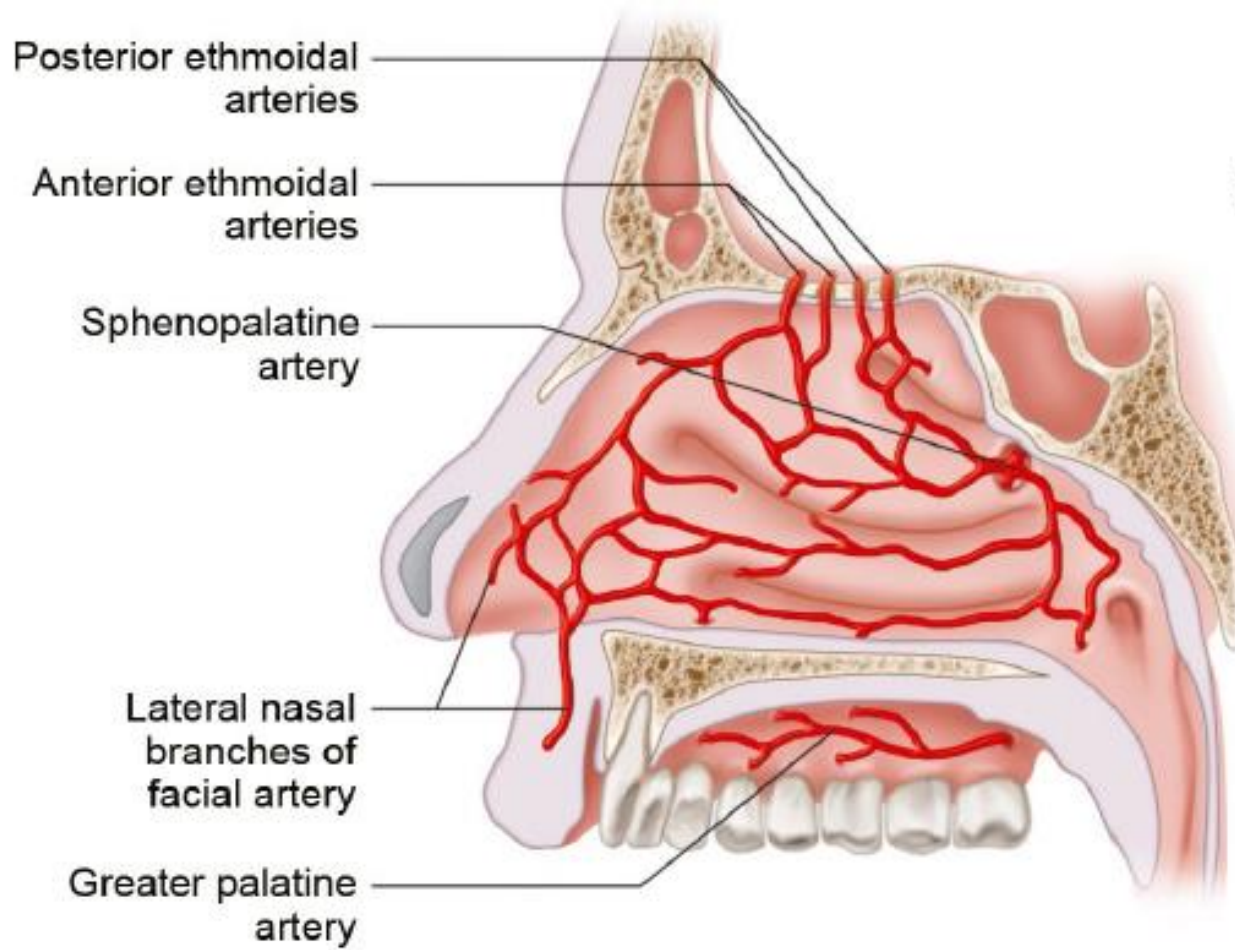
- a) Features of lingual mucosa (5 marks)
- b) Support structures of the tongue (5 marks)
- c) Innervation of the tongue (10 marks)
- d) Pathway of taste sensation (10 marks)
- e) Development and congenital anomalies of the tongue (8 marks)

Illustrate the arterial blood supply of the following and state the clinical relevance of each:

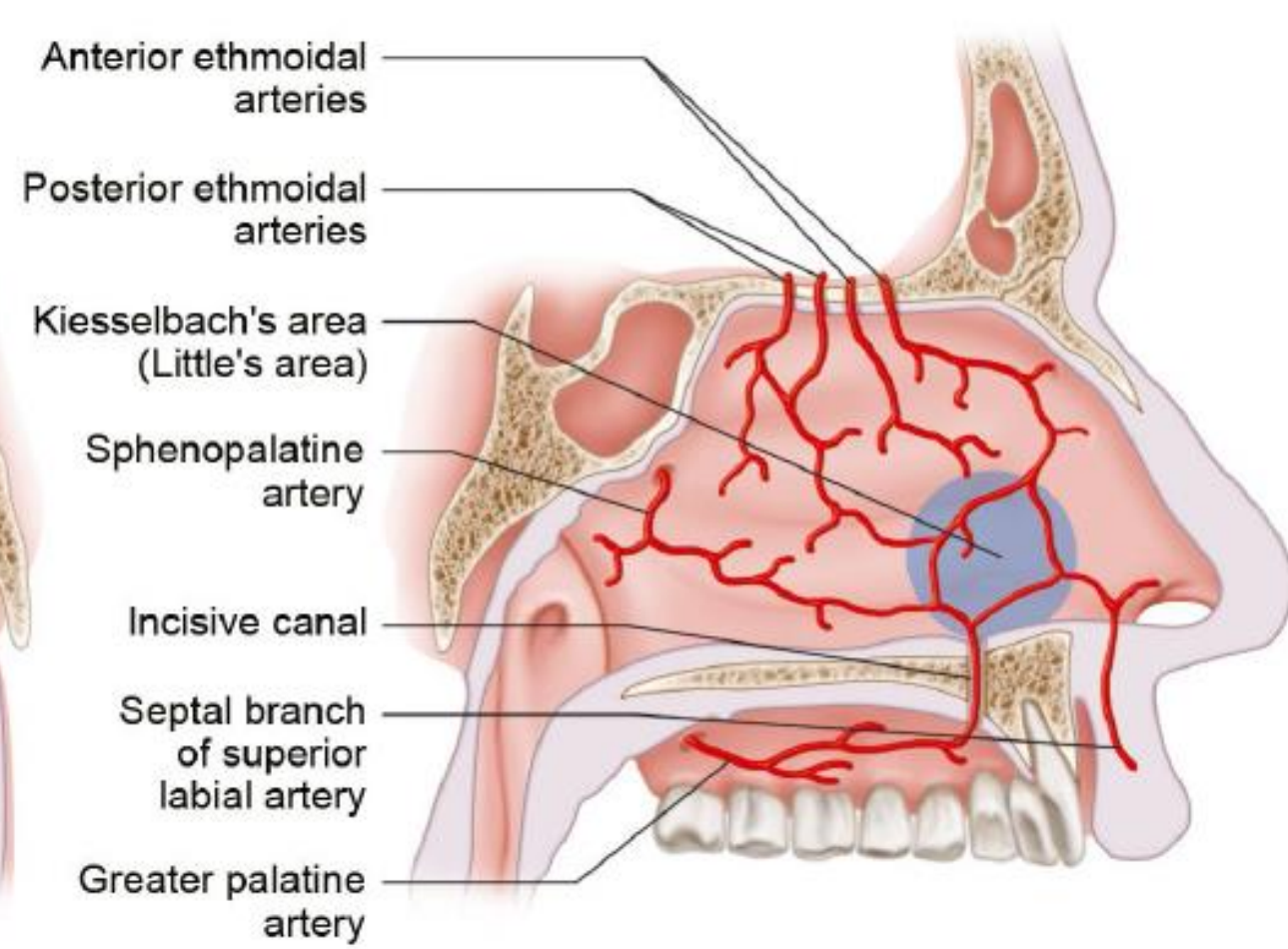
a) Scalp (6 marks)

b) Nasal septum (4 marks)

c) Lateral nasal wall (5 marks)



(a) Lateral wall of cavity



(b) Nasal septum

Describe the course, branches and distribution of the mandibular nerve (10 marks)

Describe the relations and arterial blood supply to the palatine tonsils (10 mark)

Outline the gross anatomical features of the nasopharynx (8 marks)

Describe the relations, drainage and clinical relevance of the maxillary sinus (10 marks)

Describe the development and congenital anomalies of the palate (10 marks)

AN ASCENDING PATHWAY

- Modality
- Receptor
- 1st order neuron – name, cell body, CNS entry, termination,
- 2nd order neuron – origin, decussation, tract, termination
- 3rd order neuron – origin, course in the internal capsule, termination