



Very Important: each part of question must be written in a separate page

QUESTION (1) (Head).....(21 MARKS):

- A- Discuss the maxillary nerve (origin, course and enumerate its branches (diagram needed) (6 marks)
- B- Discuss the origin course and branches of the middle meningeal artery (4 marks)
- C- Discuss the roots and branches of sphenopalatine ganglion. (6 marks)
- D- Problem solving: (5 marks)
A 40 years old man came to hospital complaining of headache, vomiting and loss of bitemporal (peripheral) vision. After examination, the diagnosis is pituitary adenoma (benign tumour of pituitary gland).
- 1- Mention the anterior and posterior relations of the pituitary gland.
 - 2- Enumerate the arteries supplying and venous drainage of the pituitary gland.
 - 3- Discuss the definition (characters) of the pituitary gland.

QUESTION (2) (Neck& Cavities).....(22 MARKS):

- A- Discuss the deep origin, course and branches of the facial nerve. (7 marks)
- B- Describe the gaps in the lateral wall of the pharynx (gaps between constrictors muscles)and enumerate the blood supply of the pharynx (diagram needed) . (6 marks)
- C - Describe the anatomy of the tympanic membrane and its nerve supply with its applied anatomy (6 marks)
- D- During neck dissection, the styloid process is used as a landmark. (3 marks)
- 1- Which of the following statements is correct** as regard one of the structures that attach to the styloid process?
- a. The stylohyoid muscle attaches to the junction of the body with the greater horn of the hyoid bone
 - b. The styloglossus muscle acts to protrude the tongue
 - c. The stylohyoid ligament attaches to the lingula of the mandible
 - d. Distally the stylopharyngeus muscle is split by the digastrics muscle
- 2- Enumerate structures attached to the styloid process**

QUESTION (3) (Neuroanatomy).....(31 MARKS):

- A- Discuss the pain and temperature pathway (5 marks)
- B- Discuss the internal structure of the medulla oblongata (illustrated your answer with a diagram at the level of open medulla) (7 marks)
- C- Mention the fibers components of the inferior cerebellar peduncle and mention the functions of the cerebellum (6 marks)
- D- Discuss the relation, nuclei and connections of the thalamus (7 marks)
- E- Describe the sites, function, and blood supply of the main functional areas in the cerebral cortex (6 marks)

QUESTION (4) (Lower limb).....(28 MARKS):

- A- Enumerate the structure under cover the gluteus maximus muscle (5 marks)
- B- Discuss the popliteal fossa (its boundaries and contents) (diagram is needed) (6 marks)
- C- Discuss the origin, course and branches of the posterior tibial artery (diagram is needed) (7 marks)
- D- Describe the ligaments of the hip joint and enumerate its Stabilizing Factors (7 marks)
- E- **Problem solving:** (3 marks)

A 32-year-old patient received a badly placed intramuscular injection to the posterior part of his gluteal region. The needle injured a motor nerve in the area. Later, he had great difficulty rising to a standing position from a seated position.

1- Which muscle was most likely affected by the injury?

- A. Gluteus maximus
- B. Gluteus minimus
- C. Hamstrings
- D. Iliopsoas
- E. Obturator internus

2- The actions of this affected muscle and its nerve supply.

QUESTION (5) (Special Embryology).....(23 MARKS):

- A- Discuss the development of interatrial septum and mention its congenital anomalies (8 marks)
- B- Mention the fate of pharyngeal pouches (7 marks)
- C- Describe the development of the stomach and enumerate its congenital anomalies (8 marks)

Oral Examination: 12/6/2018:

At 9 o'clock From 1 to 200 the end of the list
At 10.5 o'clock From 201 to the end of the list

With My Best Wishes Dr/ Manal El-Bermawy