



J-M20171 Seat No. _____
First Year M. B. B. S. Examination
July - 2019
Anatomy : Paper - I
(New Course)

Time : 3 Hours]

[Total Marks : 50

Instructions :

1. Write section 1 and 2 in separate answer sheets.
2. Draw diagrams wherever necessary.
3. Figures on right indicates full marks.

SECTION - I

- 1 Answer in brief : (any ten) (1 mark each) 10**
1. What is safety valve hematoma ?
 2. Explain anatomically. Infection from the upper lip can spread to cavernous sinus.
 3. Name the muscle preventing tongue fall ? Give its nerve supply.
 4. Explain the terms : (a) Trismus (b) Torticollis.
 5. Explain anatomically. Striate arteries are known as arteries of cerebral hemorrhage.
 6. What is 'word blindness' ? Lesion to which cerebral area will produce it ?
 7. Name any two cranial nerves having Special Visceral Afferent functional component ?
 8. What is compound palmar ganglion ?
 9. What is flat shoulder ? Injury to which nerve will produce flat shoulder ?
 10. What is Klumpke's palsy ?
 11. Explain the terms : (a) Atherosclerosis (b) Atheroma.
 12. Draw and label the cardiac muscle.
- 2 Write short notes on : (any two) (05 marks each) 10**
1. Describe functional components, branches and distribution and clinical anatomy of a cranial nerve supplying sphincter pupillae muscle. **2+2+1=5**

2. Which is a largest salivary gland of the body ? Write its relations and nerve supply. **1+2+2=5**
3. Draw and label the diagrams showing the **2.5+2.5=5**
 (a) nerve supply of nasal septum
 (b) blood supply of nasal septum.
- 3** Write on any one of the following : **5**
1. Enumerate the modifications of deep fascia in hand. Describe gross and applied anatomy of Palmar aponeurosis in details. **1+3+1=5**
2. Describe blood supply, lymphatic drainage and applied anatomy of mammary gland. **2+2+1=5**

SECTION - II

- 4** Write short notes on : (any two) (05 marks each) **10**
1. Enumerate the histological types of arteries. **1+1+3=5**
 Compare and contrast the microstructure of various types of arteries with diagrams
2. Describe the urothelium in details. Write about the histology of ureter **2+3=5**
3. Draw and label the diagrams showing microstructure of following parts of stomach **2.5+2.5=5**
 (a) Body (b) Pyloric part.
- 5** Write short notes on : (any **two**) (5 marks each) **10**
1. Describe stages and effects of fertilization. **3+2=5**
 Write about the assisted reproductive techniques (ART) in brief
2. Development of Ovarian follicle
3. Development of the somites and its derivatives.
- 6** Write on any one of the following : **5**
1. Draw and label transverse section of medulla at the level of 'Great Motor decussation'.
2. Define the projection fiber of cerebrum. **1+1.5+2.5=5**
 Describe the parts and constituents fibers of internal capsule.