



**NC-2006000101010001**

**First Year M. B. B. S. Examination**

**January - 2022**

**Anatomy : Paper-I**

*(New CBME Curriculum Pattern)*

Time : 3 Hours]

[Total Marks : 80

**Instructions :**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરપત્રી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book. Name of the Examination :		Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
First Year M. B. B. S.		Student's Signature
Name of the Subject :		
Anatomy : Paper-I		
Subject Code No. : 2 0 0 6 0 0 0 1 0 1 0 1 0 0 0 1	Section No. (1, 2, .....): Nil	

- (2) Draw labelled diagram wherever required.
- (3) Write to the point.
- (4) Figures to right indicate marks.

**SECTION - B**

2 Write down any 2 case scenario questions- 16

- (1) A 45-year male was having a habit of smoking 2+2+4  
 since 20yrs brought to the ENT department for the  
 complain of hoarseness of voice and difficulty in  
 phonation and swallowing. On examination a mass in  
 the larynx noted.
  - (a) What is the reason of hoarseness of voice?
  - (b) What is the nerve supply of cricothyroid muscle?
  - (c) Which one is the safety muscle of larynx and why?

- (2) Aditya 25 year fall from the scooter and met **2+4+2**  
with a trauma on the right upper limb. A swelling noted on the arm. He was not able to extend the wrist joint. X-Ray shows fracture in the middle of the humerus.
- (a) Which nerve is damaged and what is the root value?
  - (b) Name the muscles supplied by the damaged nerve?
  - (c) What is the name of the condition if wrist joint is not able to extend?
- (3) Ramesh Bhai 60 year male was a known case **2+2+4**  
of hypertension, suddenly one evening he felt severe headache. On clinical examination hemiplegia of left side with hypertonia and loss of proprioception noted. Physician find out right fronto-parietal lobe infarction and internal capsule.
- (a) Which are the parts of internal capsule?
  - (b) In this case which part of internal capsule is affected?
  - (c) Draw and label the diagram of circle of willis.
- 3 (A) Write short note : (2 out of 3) 10**
- (1) Describe 1<sup>st</sup> carpometacarpal joint with type, articular surface, relation and movement.
  - (2) Describe cubital fossa with clinical importance.
  - (3) Define dorsal digital expansion.
- (B) Write short notes on : 10**
- (1) Somites or Primitive streak.
  - (2) Development of Thyroid gland or Pituitary Gland.

- (C) Write short notes on any one : 4
- (1) Describe anastomosis.
  - (2) Sesamoid bone.

### SECTION C

- 4 Long question : (2 out of 3) 16
- (1) Define posterior triangle of neck with boundaries, floor, content and applied aspects.
  - (2) Describe tongue with blood supply, innervation and lymphatic drainage.
  - (3) Describe Extraocular muscles and their action and nerve supply.
- 5 (A) Write short note : (2 out of 3) 10
- (1) Write in detail about connection, function and applied aspects of cerebellum.
  - (2) Define spinothalamic tract.
  - (3) Enumerate floor of fourth ventricle.
- (B) Write short note on Histology of : 10
- (1) Thymus or Thyroid
  - (2) Stratified squamous epithelium or adipose tissue.
- (C) Write short note any one : 4
- (1) Pivot joint
  - (2) Blastocyst
  - (3) Histology of Thin skin
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