

**First Professional MBBS Degree Supplementary Examinations
January 2019**

Anatomy - Paper I

Time: 3 Hours

Total Marks: 50

- Answer all questions
- Draw diagrams wherever necessary

Long essay (10)

1. A 45 years old man was brought to the hospital with a fracture of the shaft of the humerus. On examination, he had impairment of extension of the wrist. There was also loss of cutaneous sensation on the dorsum of the fore arm and lateral aspect of dorsum of hand and lateral digits. With your knowledge of anatomy, answer the following questions:

- Name the structure involved at the site of fracture
- Mention its origin, course and distribution
- Mention its branches at different levels.
- Mention the reason for loss of cutaneous sensation in the areas mentioned
- Name the accompanying blood vessel at the site of fracture. (1+4+ 2½+1½+1)

Short essay (3x5=15)

2. Ligaments of knee joint
3. Brachial plexus
4. Pericardium

Short notes (5x3=15)

5. Yolk sac
6. Anterior interosseous nerve
7. Broncho-pulmonary segments
8. Superficial inguinal lymph nodes
9. Superficial palmar arch

Short answers (3x2=6)

10. Zona pellucida
11. Turner's syndrome
12. Microscopic structure of the large artery

Draw diagrams (2x2=4)

13. Mediastinal surface of the right lung
14. Transverse section through middle of thigh