

M.S. (ORTHOPAEDICS) : SUMMER - 2018

SUBJECT : PAPER – I : BASIC SCIENCES AS APPLIED TO ORTHOPAEDICS

Day : **Saturday**
Date : **02/06/2018**

S-2018-3435

Time : **2.00 P.M. TO 5.00 P.M**
Max. Marks : 100

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat labeled diagrams **WHEREVER** necessary.
 - 4) Your answer will be valued as a whole.
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Q.1 Describe the structure of the Bone. Discuss osteoporosis with investigations and medical management. **(15)**

Q.2 Describe surgical anatomy of rotator cuff. Discuss stability of shoulder joint and treatment of Acute Anterior Shoulder dislocation. **(15)**

Q.3 Write any **SEVEN** of the following: **(70)**

- i) Mangled extremity severity score.
- ii) Describe blood supply of head of femur and its clinical relevance.
- iii) Describe mechanisms of Tissue Healing.
- iv) Discuss principles of ligamentotaxis.
- v) Discuss aetio-pathogenesis, clinical features and management of gas gangrene.
- vi) Discuss Morsant – Baker's Cyst.
- vii) Describe Cortical Screws and Interfragmentary compression.
- viii) Describe wedging of a cast.

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