

National Board of Examinations

Question Paper Name : DNB Orthopaedics Paper4
Subject Name : DNB Orthopaedics Paper4
Duration : 180
Total Marks : 100
Display Marks: No

Maximum Instruction Time : 0

Question Number : 1 Question Id : 32718733444 Consider As Subjective : Yes

Please write your answers in the answer booklet within the allotted pages as follows:-

Question Number	Answer to be attempted within	Question Number	Answer to be attempted within
Q. 1	Page 1-5	Q. 6	Page 26-30
Q. 2	Page 6-10	Q. 7	Page 31-35
Q. 3	Page 11-15	Q. 8	Page 36-40
Q. 4	Page 16-20	Q. 9	Page 41-45
Q. 5	Page 21-25	Q. 10	Page 46-50

1. a) What are the newer drugs available in the treatment of tuberculosis? [5]
b) Discuss BPAL (Bedaquiline, Pretomanid and Linezolid) regimen in the treatment of drug resistance tuberculosis. [5]

Question Number : 2 Question Id : 32718733445 Consider As Subjective : Yes

- a) Role of biologicals in the treatment of inflammatory arthritis. [4]
b) Bone morphogenic proteins (BMP). [3]
c) Stem cell therapy. [3]

Question Number : 3 Question Id : 32718733446 Consider As Subjective : Yes

How do you grade quality of evidence for making clinical practice recommendations? [10]

Question Number : 4 Question Id : 32718733447 Consider As Subjective : Yes

What is the principle of Ilizarov fixator? Discuss the various indications and complications with its use in clinical practice. [2+8]

Question Number : 5 Question Id : 32718733448 Consider As Subjective : Yes

Short notes on following technological advancements:

- a) Patient specific instrumentation. [4]
- b) Growth rods in early onset scoliosis. [3]
- c) Smart sensors in orthopaedic implants. [3]

Question Number : 6 Question Id : 32718733449 Consider As Subjective : Yes

- a) Intra-operative neural monitoring. [3]
- b) Botulinum therapy. [3]
- c) Bone banking. [4]

Question Number : 7 Question Id : 32718733450 Consider As Subjective : Yes

Discuss the management of multiple ligament injuries to the knee of a young patient. [10]

Question Number : 8 Question Id : 32718733451 Consider As Subjective : Yes

Enumerate different methods of fixation in ACL reconstruction and discuss advantages of each. [5+5]

Question Number : 9 Question Id : 32718733452 Consider As Subjective : Yes

- a) Gait lab. [5]
- b) Immunofluorescence microscopy. [5]

Question Number : 10 Question Id : 32718733453 Consider As Subjective : Yes

- a) What are the principles in wound coverage in acute injuries? [5]
- b) How would you manage the skin defect in extremities? [5]