National Board of Examinations

Question Paper Name :	DNB Orthopaedics Paper1
Subject Name :	DNB Orthopaedics Paper1
Creation Date :	2022-12-22 22:33:57
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Orthopaedics Paper1

Group Number :	1
Group Id :	3271871363
Group Maximum Duration :	0
Group Minimum Duration :	180
Show Attended Group? :	No
Edit Attended Group? :	No
Group Marks :	100
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

DNB Orthopaedics Paper1

Section Id :	3271871366
Section Number :	1
Section type :	Offline

Mandatory or Optional :	Mandatory
Number of Questions to be attempted :	10
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271871370
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718712682 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

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. Fat embolism syndrome:

a) Describe the pathophysiology. [3]

b) Clinical features and diagnosis. [3]

c) Management of fat embolism in a case of closed fracture shaft femur. [4]

Question Number : 2 Question Id : 32718712683 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Peripheral nerve injury:

a) Describe anatomy of a peripheral nerve. [3]

b) Classification & diagnosis of peripheral nerve injuries. [3]

c) Algorithm for management of radial nerve palsy. [4]

Question Number : 3 Question Id : 32718712684 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Describe evolution of femoral anteversion. [3]

b) What are the clinical and radiological methods to measure femoral anteversion? [3]

c) Discuss the role of femoral anteversion in Orthopedics. [4]

Question Number : 4 Question Id : 32718712685 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Describe the pathophysiology of Polytrauma patient. [5]

b) Discuss the principles of Damage Control Orthopedics vs Early total care. [5]

Question Number : 5 Question Id : 32718712686 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Describe calcium metabolism. [4]

b) Discuss the clinical features, diagnosis and management of nutritional rickets. [6]

Question Number : 6 Question Id : 32718712687 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Define Stress, Strain and Young's Modulus of Elasticity in relation to Orthopedic implants.

[2+2+2]

b) Discuss the recent advances in materials in Orthopaedic surgery. [4]

Question Number : 7 Question Id : 32718712688 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss the biomechanics & clinical uses of floor reaction orthosis. [5+5]

Question Number : 8 Question Id : 32718712689 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

a) Describe the extensor mechanism of knee joint. [3]

b) Describe biomechanics of patello femoral joint. [3]

c) Describe the factors predisposing to patellar instability. [4]

Question Number : 9 Question Id : 32718712690 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

What are the types of epiphysis? Describe the indications and various methods of epiphysiodesis. [3+(2+5)]

Question Number : 10 Question Id : 32718712691 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Discuss the pathophysiology, clinical manifestations and differential diagnosis of Heterotopic Ossification. [4+3+3]