

National Board of Examinations

Question Paper Name :	DNB Orthopaedics Paper4
Subject Name :	DNB Orthopaedics Paper4
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Share Answer Key With Delivery Engine :	No
Actual Answer Key :	No

DNB Orthopaedics Paper4

Group Number :	1
Group Id :	3271872478
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 Paper4

Section Id :	3271872481
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 :	3271872485
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 1 Question Id : 32718725013 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. a) What is Industry 5.0 technology? [3]
- b) Discuss the role of Industry 5.0 technology capabilities in Trauma and Orthopaedics. [7]

Question Number : 2 Question Id : 32718725014 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 various bearing surfaces, their advantages and disadvantages in total hip arthroplasty. [3+4+3]

Question Number : 3 Question Id : 32718725015 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) Intraosseous therapy in Orthopaedics. [3]
- b) The role of robotics in trauma and Orthopaedics. [3]
- c) Outcome measures in trauma and Orthopaedics. [4]

Question Number : 4 Question Id : 32718725016 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Describe the drug resistant tuberculosis and its causes. Discuss the molecular methods available for its diagnosis. [(3+2)+5]

Question Number : 5 Question Id : 32718725017 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) What are orthobiologic therapy and its different available options? [2+2]
- b) Write the clinical applications of the role, advantages and disadvantages of mesenchymal stem cells in Trauma and Orthopaedics. [2+2+2]

Question Number : 6 Question Id : 32718725018 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 classification and management of periprosthetic fractures of femur. [5+5]

Question Number : 7 Question Id : 32718725019 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Correct Marks : 10

Pathophysiology of gunshot wounds and management of a patient with gunshot wounds with associated long bone fractures. [3+7]

Question Number : 8 Question Id : 32718725020 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Correct Marks : 10

Hyperbaric oxygen therapy: its advantages and disadvantages in orthopaedic practices. [5+5]

Question Number : 9 Question Id : 32718725021 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) Cartilage grafting. [3]

b) Focal resurfacing implants. [3]

c) Meniscal repair. [4]

Question Number : 10 Question Id : 32718725022 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) Classification and diagnosis of acetabular fractures. [3+2]

b) Discuss surgical stabilization and different approaches to manage acetabular injuries. [2+3]