

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 :	3271871366
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 :	3271871369
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 : 3271871373
Question Shuffling Allowed : No
Is Section Default? : null

Question Number : 1 Question Id : 32718712712 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. What are Biochemical markers for bone formation and bone resorption? Discuss their role in management of osteoporosis. [5+5]

Question Number : 2 Question Id : 32718712713 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 ceramics as a bearing surface in Total Hip Arthroplasty. [10]

Question Number : 3 Question Id : 32718712714 Question Type : SUBJECTIVE Consider As

Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Gene therapy in Orthopedics. [10]

Question Number : 4 Question Id : 32718712715 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 considerations, pros and cons and future perspective of day care surgery in Orthopedics. [10]

Question Number : 5 Question Id : 32718712716 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) Discuss differential diagnosis of monoarticular arthritis of knee joint in a 25 year old male presenting with pain and difficulty in bearing weight. [5]

b) Tabulate its investigations and management in an algorithmic manner. [5]

Question Number : 6 Question Id : 32718712717 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Robotic Surgery in Orthopedics:

a) Discuss its present role, usage and indications. [7]

b) Comment on the cost to benefit ratio of robotic surgery in Orthopedics in developing countries. [3]

Question Number : 7 Question Id : 32718712718 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Correct Marks : 10

Radial head prosthesis:

- a) Indications of surgery. [3]
- b) Design rationale. [3]
- c) Surgical technique of implantation & complications. [4]

Question Number : 8 Question Id : 32718712719 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Hip arthroscopy:

- a) Indications for surgery. [3]
- b) Portals and surgical technique. [4]
- c) Complications & outcomes. [3]

Question Number : 9 Question Id : 32718712720 Question Type : SUBJECTIVE Consider As Subjective : Yes Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Prosthetic joint infection:

- a) Role of biofilm in implant infection. [2]
- b) Sonication. [2]
- c) Management algorithm in Prosthetic joint infection in Total Knee Replacement (TKA). [6]

Question Number : 10 Question Id : 32718712721 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 is a myoelectric prosthesis? [3]
- b) Describe its applications, advantages, and disadvantages. [2+2+3]