

National Board of Examinations

Question Paper Name :	DNB Orthopaedics Paper4
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DNB Orthopaedics Paper4

Group Number :	1
Group Id :	3271872840
Group Maximum Duration :	0
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Show Attended Group? :	No
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DNB Orthopaedics Paper4

Section Id :	3271872843
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	10
Number of Questions to be attempted :	10
Section Marks :	100
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	3271872847
Question Shuffling Allowed :	No

Question Number : 1 Question Id : 32718729684 Question Type : SUBJECTIVE Consider As Subjective : Yes

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) Describe the pathophysiologic basis of whole-body PET-CT. [4]
- b) Elaborate the non-oncologic role of PET-CT in orthopedics. [6]

Question Number : 2 Question Id : 32718729685 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe the concept and pathophysiology of "Damage Control Orthopedics" and "Early total care". [4]
- b) Enumerate the indications for each of the above-mentioned approaches of trauma care. [2]
- c) What are the disadvantages of each of the above-mentioned approaches of trauma care? [4]

Question Number : 3 Question Id : 32718729686 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe the various techniques of osteosynthesis of adult fracture neck of femur including concept of "Femoral neck system (FNS)". [6]
- b) What are the pros and cons of FNS? [4]

Question Number : 4 Question Id : 32718729687 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe the various methods of treating Geriatric Acetabular Fractures. [5]
- b) Describe the indications, timing and approach for open reduction & internal fixation/acute total hip arthroplasty in Geriatric Acetabular Fractures. [5]

Question Number : 5 Question Id : 32718729688 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe the patho-anatomy of recurrent dislocation of patella in a skeletally immature individual. [3]
- b) Explain the radiographic findings. [3]
- c) Describe the current treatment protocol for the management of this syndrome in an open physis situation. [4]

Question Number : 6 Question Id : 32718729689 Question Type : SUBJECTIVE Consider As

Subjective : Yes

Correct Marks : 10

- a) Describe the concept of "Flexible guide wire and flexible reamer based femoral tunnel creation in Arthroscopic ACL reconstruction". [4]
- b) Describe its indications, advantages and disadvantages. [6]

Question Number : 7 Question Id : 32718729690 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Explain the concept of constraint in total knee replacement design and their indications. [7]
- b) Describe the characteristics and reasons for catastrophic polyfailure in total knee replacement. [3]

Question Number : 8 Question Id : 32718729691 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Enumerate different designs of prosthetic feet in a below knee prosthesis. [5]
- b) Describe their advantages, disadvantages and indications. [5]

Question Number : 9 Question Id : 32718729692 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

Describe etiopathogenesis and clinical features of post viral/ post chikungunya/ post COVID musculoskeletal manifestations. Briefly describe its management. [6+4]

Question Number : 10 Question Id : 32718729693 Question Type : SUBJECTIVE Consider As Subjective : Yes

Correct Marks : 10

- a) Describe the mechanism of Trimalleolar fracture. [3]
- b) Enumerate its classifications. [3]
- c) Explain the treatment guidelines and surgical approach. [4]