



BB-2106100401010001

M. S. (Orthopaedics) Examination

April - 2022

Paper - I : Basic Science

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दर्शावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination :  
M. S. (Orthopaedics)

Name of the Subject :  
Paper - I : Basic Science

Section No. (1, 2,.....): NIL

Subject Code No. :  
2 1 0 6 1 0 0 4 0 1 0 1 0 0 0 1

Seat No. :  
[ ] [ ] [ ] [ ] [ ] [ ]

Student's Signature

- (2) Attempt all Questions.
  - (3) Draw neat labeled diagram whenever necessary.
  - (4) All questions carry equal marks i.e. 25.
- 1 Describe the various stabilizers of the elbow joint.
  - 2 Discuss the significance and the latest guidelines about appropriate preoperative antibiotic prophylaxis.
  - 3 What is FRAX ? Discuss the various means to reduce the risk of fractures in severely osteoporotic elderly patients.
  - 4 Describe the normal gait cycle in humans. Also describe any 5 types of pathological gait patterns.



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M. S. (Orthopaedics) Examination

April - 2022

Paper - II : Traumatology

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दशांशकेल निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="M. S. (Orthopaedics)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="Paper - II : Traumatology"/>	<input type="text"/>
Subject Code No. :	<input type="text"/>
Section No. (1, 2,.....) :	<input type="text" value="NIL"/>
<input type="text" value="2 1 0 6 1 0 0 4 0 1 0 2 0 0 0 1"/>	<input type="text"/>
	<input type="text" value="Student's Signature"/>

- (2) Attempt all Questions.
  - (3) Draw neat labeled diagram whenever necessary.
  - (4) All questions carry equal marks i.e. 25.
- 1 Describe the classification of fracture of neck of Talus and its management.
  - 2 Describe the various classifications of Intertrochanteric fractures and the latest concepts of managing such fractures.
  - 3 Describe the basic AO principles of various modes of plating of fractures.
  - 4 Discuss the various parameters of radiological evaluation of reduction in supracondylar fracture of humerus in a 10 year old child. Also describe the indication, approaches and techniques of open reduction and internal fixation of such fractures.



BB-2106100401030001

**M. S. (Orthopaedics) Examination**  
**April - 2022**  
**Paper - III : Orthopaedic Disease**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book. Name of the Examination :	Seat No. :
<input type="text" value="M. S. (Orthopaedics)"/>	<input type="text"/>
Name of the Subject :	<input type="text" value="Student's Signature"/>
<input type="text" value="Paper - III : Orthopaedic Disease"/>	
Subject Code No. : <input type="text" value="2 1 0 6 1 0 0 4 0 1 0 3 0 0 0 1"/>	
Section No. (1, 2,.....) : <input type="text" value="NIL"/>	

- (2) Attempt all Questions.
- (3) Draw neat labeled diagram whenever necessary.
- (4) All questions carry equal marks i.e. 25.

- 1 What are Spondyloarthropathies? Discuss the latest recommendations in the medical management of Axial spondyloarthropathy.
- 2 Define Non union of fracture. Discuss the various techniques to manage an infected nonunion of Tibia in a 35 year old patient.
- 3 Describe Hallux valgus and the techniques of its surgical management.
- 4 An 11 year old obese male patient is seen in the OPD with pain in his left groin since 15 days and inability to bear weight. He is diagnosed as having Slipped Capital femoral epiphysis of left hip. Describe the various clinical examination findings and the line of management in such a case.



**BB-2106100401040001**

**M. S. (Orthopaedics) Examination**

**April - 2022**

**Paper - IV : Recent Advances in Orthopaedics**

Time : 3 Hours]

[Total Marks : 100

**Instructions :**

(1)

नीचे दशांशके निशानीवाणी विगतो उत्तरवही पर अवश्य लक्ष्मी.  
Fillup strictly the details of signs on your answer book.

Name of the Examination  
M. S. (Orthopaedics)

Name of the Subject :  
Paper - IV : Recent Advances in Orthopaedics

Section No. (1, 2,.....) NIL

Subject Code No. :  
2 1 0 6 1 0 0 4 0 1 0 4 0 0 0 1

Seat No. :

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Student's Signature

- (2) Attempt all Questions.
- (3) Draw neat labeled diagram whenever necessary.
- (4) All questions carry equal marks i.e. 25.

- 1 Describe in detail the use of biocomposite materials in Orthopaedics.
- 2 Discuss the clinical applications of 3 D printing in Orthopaedics and traumatology.
- 3 Discuss the various techniques of motion preservation and minimally invasive surgery used in spine.
- 4 Discuss the recent trends in the shift towards anatomic ACL reconstruction.