

## **BRAINWARE UNIVERSITY**

**Term End Examination 2023** Programme - B.Sc.(PA)-2021 Course Name – Basics of Orthopedics **Course Code - BPAC401** (Semester IV)

Time: 2:30 Hours Full Marks: 60

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

1 x 15=15

Group-A (Multiple Choice Type Question) Choose the correct alternative from the following: (i) Apply your knowledge of clinical examination to diagnose the disease producing a shock below the medial malleolus b) Tarsal tunnel syndrome a) Calcaneal Bursitis d) Plantar Fasciitis c) Morton's metatarsalagia (ii) The modern shoes can be the determining cause for which of the following. Choose the correct option. b) Early onset Hallux Valgus a) Metatarsus Primus Varus d) Hallux Rigidus c) Later onset of Hallux Valgus (iii) How will you examine a patient of haemarthrosis to identify Baker's cyst. a) Examining the popliteal fossa in the prone b) Examining the popliteal fossa in the standing position of the patient position of the patient c) Examining the acetabulo-femoral joint in d) None of these the supine position of the patient (iv) Identify reason for which shoulder joint exhibit a wide range of movement a) Glenoid fossa accumaltes 1/3rd of the b) Glenoid Fossa is slanting in nature humerus d) None of these c) The round shape of the humeral head (v) The hook shaped bone projects downward from the anteromedial border of the shaft 5 cm above lateral epicondyle connected by a fibrous band to the medial border just

above the epicondyle. Identify the correct terminology applicable for this

a) Medial superacondylar ligament

(vi) Sun ray appearance of osteosarcoma is because of\_

c) Ligament of Spine

a) Periosteal reaction

c) Calcification along vessels

correct option

b) Ligament of struthers

\_. Choose the

d) All of these

b) Osteonecrosis

d) None

(vii)	Bone metastasis in male commonly arises from cancer of Identify the correct option		
	a) Lung c) Kidney State the correct angle of mandible at 21 years of	b) Prostate d) Thyroid of age of a male individual	
	a) 140 degree c) 114 degree Bone metastasis can be best evaluated by	b) 105 degree d) 118 degree choose the correct option	
	<ul><li>a) X-Ray</li><li>c) 111Indium scan</li><li>Calvaria exclude which of the following. Select t</li></ul>	<ul><li>b) 99mTC bone scan</li><li>d) Calcium-alkaline phosphatase elevation</li></ul>	on
(xi)	<ul><li>a) Ethmoid</li><li>c) Sphenoid</li><li>Which suture is present between the palatine p</li></ul>	b) Temporal d) Mandible rocess of two maxilla	
	<ul> <li>a) Sutura Serrata</li> <li>c) Sutura Planus</li> <li>Which vitamin influences the production of integrate the correct option</li> </ul>	b) Sutura Plana d) Sutura Squamosa	
(xiii)	<ul><li>a) Vitamin A</li><li>c) Vitamin K</li><li>Select the correct options applicable for the car</li></ul>	b) Vitamin D d) Vitamin C tilages having chondrocytes in spaces	
(xiv	<ul><li>a) Lumbrical</li><li>c) Chondroitin</li><li>) Select the correct options applicable for the col</li></ul>	b) Lacunae d) None of these our of cartilaginous tissue	
	<ul><li>a) Transopaque Bluish White</li><li>c) Translucent Glistening white</li><li>Which of the following is exhibited by arthritis</li></ul>	b) Translucent Bluish White d) White	
	a) Binoculear finger c) Eagle claw hand	b) Telescopic finger d) None	
	<b>Gro</b> u (Short Answer T	una Ouastianal	3 x 5=15
<ol> <li>Write a short note on Haversian canal</li> <li>Describe the differential study of pain in knee joint</li> <li>Discuss the club's foot in brief</li> <li>Explain the features of colley's fracture</li> <li>Explain the risk factors for fragility fractures</li> </ol>			(3) (3) (3) (3) (3)
Ε	xplain the gradation of giant cell tumor	R	(3)
	<b>Gro</b> (Long Answer T	up-C	, ,
7			5 x 6=30
9. 10.	Describe the clinical features and complication of Describe the stages of necrosis in the pathology Construct the aspiration protocol for the joint a Explain the condition in which "pencil in cup" a will you going to investigate such a case?  Describe the classification of ankylosis	of osteomyelitis spiration opearance in X-Ray is encountered. How	(5) (5) (5) (5)
12.	Considering the calcium phosphate deposition pathological condition indicated. How will you	n the tendon visible on X-Ray, Explain the differentiate the condition from gout?	(5)

A 38-years-old male patient is complaining of pain in the neck shoulder and arm associated (5) with headache and dizziness. On further query, patient gives the history of an accident with a definite character i.e., he is driving a car wearing a seat belt and get stuck from behind. What will be the provisional diagnosis? How will you differentiate from similar pathologies?

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