
Total number of printed pages-8

34 (4) OSPH 4-1

2017

**ORTHOPAEDIC AND SPORTS
PHYSIOTHERAPY**

Full Marks : 100

Time : Three hours

***The figures in the margin indicate
full marks for the questions.***

1. Essay type : (Answer **any two out of three**)

2×10=20

(a) Describe assessment and management of scoliosis. Write a note on scoliometer.

(b) Define amputation. Enlist the indications and levels of amputation. Mention about PT M_x in stump care.

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(c) Outline anatomical significance of knee joint. Enlist some special tests for knee joint and shoulder joint and describe *any five* for both of them.

2. Short essay type : (Answer **any ten** out of **twelve**) 10×5=50

(a) Mention the pathology and PT R_x physiotherapy treatment for osteoporosis.

(b) Write a note on biomechanical principles of prosthesis applications.

(c) Describe the arthroplasty and physiotherapy management of ankle joint.

(d) Write a note on genu valgum and genuvarum.

(e) What is Hoffa's syndrome and write the physiotherapy management ?

(f) Mention the symptoms of ankylosing spondilitis and write the physiotherapy management.

(g) Write a note on prolapse of intervertebral disc and physiotherapy management.

- (h) Write about the zones of hand of extensor compartment and specify the extensor compartment.
- (i) Classification of shoulder dislocation and mention about reduction of shoulder dislocation.
- (j) Write a note on supraclavicular fracture of humerus and its physiotherapy management.
- (k) Write about thoracic outlet syndrome.
- (l) Write about quadriceps contusion and physiotherapy management of quadriceps contusion.

3. Short answer type : 2×5=10

- (a) Threthaman's sign
- (b) Shenton's line
- (c) Compartmental syndrom
- (d) Brodie's abscess
- (e) Trigger finger.

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4. Multiple choice questions : 1×20=20

- (1) .In case of AK amputes, prasthetic knee stabilization can be achieved by —
- (a) Action of gluteus maximus
 - (b) trochanteric knee alignment
 - (c) extension aid
 - (d) All of above.
- (2) Charcot joints are :
- (a) painless arthritic joint disease
 - (b) degenerative joint disease
 - (c) infective joint disease
 - (d) none of above.
- (3) The most common cause for lower limb amputations is —
- (a) Congenital deformities
 - (b) Infection
 - (c) Trauma
 - (d) Vascular disease
- (4) Protrusion with complete rupture of a annulus allowing muscles its bulge into the neural canal is renferred as :
- (a) Herniation
 - (b) Extrusion

- (c) sequestrum
 - (d) bulging.
- (5) Principle of mulligan's manual therapy is
- (a) self treatment technique
 - (b) sustained gliding in treatment plane
 - (c) pain free active movement
 - (d) all of above.
- (6) Mobilisation with movement was given by :
- (a) ✓ Kalterborn
 - (b) ✓ Maitland
 - (c) Mulligan
 - (d) Cyriax.
- (7) Essence of pathology in RA :
- (a) Persistence synovitis
 - (b) Swelling
 - (c) Articular cartilage
 - (d) Deformities in joints.
- (8) HLA B₂₇ is negative in :
- (a) Ankylosing spondilitis

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- (b) Rheumatoid Arthritis
- (c) Osteoarthritis
- (d) None.

(9) When a ligament is completely torn :

- (a) Grade I sprain
- (b) Grade II sprain
- (c) Grade III sprain
- (d) Grade IV sprain

(10) Green stick fracture is seen in :

- (a) Adult
- (b) Children
- (c) At any age
- (d) Elderly.

(11) Swan neck deformity consists of :

- (a) PIP hyperextension and DIP flexion
- (b) DIP hyperextension and PIP flexion
- (c) DIP extension
- (d) PIP extension.

(12) Brodie's abscess effects :

- (a) Epiphysis
- (b) Metaphysis

- (c) Diaphysis
- (d) Periosteum

(13) Deficiency in haemophilic arthritis :

- (a) VIII and IX
- (b) VI and V
- (c) I and III
- (d) XIII and XII

(14) March fracture affects :

- (a) Neck of 2nd metatarsal
- (b) Body of 2nd metatarsal
- (c) Neck of 1st metatarsal
- (d) Fracture of lower end of tibia.

(15) "Lift off test" is used for :

- (a) Teres minor
- (b) Subscapularis
- (c) Supraspinatus
- (d) infraspinatus.

(16) Gallow's traction is used for :

- (a) Fracture shaft of femur
- (b) Fracture neck of femur
- (c) Fracture humerus
- (d) Fracture tibia.

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(17) Morton's neuroma occurs due to :

- (a) lateral plantar nerve
- (b) medial plantar nerve
- (c) femoral nerve
- (d) none.

(18) UVR is given for :

- (a) sephillitic arthritis
- (b) leprosy
- (c) proriotic arthritis
- (d) haemophillic arthritis.

(19) Other name of still disease is :

- (a) Charcot's disease
- (b) Juvenile arthritis
- (c) None
- (d) Above.

(20) Genu varum means

- (a) Bowed knees
- (b) Knock knees
- (c) Extended knees
- (d) Flexed knees.