

Write the following information in the first page of Answer Script before starting answer

ODD SEMESTER EXAMINATION: 2020-21

Exam ID Number _____

Course _____

Semester _____

Paper Code _____

Paper Title _____

Type of Exam: _____

(Regular/Back/Improvement)

Important Instruction for students:

1. Student should write objective and descriptive answer on plain white paper.
2. Give page number in each page starting from 1st page.
3. After completion of examination, Scan all pages, convert into a single PDF, and rename the file with Class Roll No. **(2019MBA15)** and upload to the Google classroom as attachment.
4. Exam timing from 10am – 1pm (for morning shift).
5. Question Paper will be uploaded before 10 mins from the schedule time.
6. Additional 20 mins time will be given for scanning and uploading the single PDF file.
7. Student will be marked as ABSENT if failed to upload the PDF answer script due to any reason.

BACHELOR OF PHYSIOTHERAPY
SEVENTH SEMESTER
PHYSIOTHERAPY FOR NON-TRAUMATIC ORTHOPEDIC CONDITIONS
BPT-702

Duration : 3 hrs.

Full Marks : 70

(PART-A: Objective)

Time: 20 min.

Marks : 20

Choose the correct answer from the following:

1 × 20 = 20

1. Typical tennis elbow involves the common extensor muscles. Which muscle is commonly involved?
 - a. Extensor carpi radialis longus
 - b. Extensor carpi radialis brevis
 - c. Brachioradialis
 - d. Extensor indicis
2. Degeneration of a vertebral structure secondary to repetitive stress, most commonly affecting the pars interarticularis but with no displacement of the vertebral body is called
 - a. Spondylolisthesis
 - b. Spondylosis
 - c. Spondylolysis
 - d. Spondylitis
3. A patient of 25 year old male complains of mild to severe back and buttock pain during early morning hours which gets better with activity. Also he complained of occasional pain radiating to his lower limbs. On examination, patient has stiff spine, loss of lumbar lordosis and lumbar flexion is limited. What could be your possible diagnosis for this case?
 - a. Ankylosing spondylitis
 - b. Prolapsed intervertebral disc
 - c. Spondylolisthesis
 - d. Spinal canal stenosis
4. The most common location for ganglion to occur is
 - a. Guyon's canal
 - b. Flexor sheath
 - c. Dorsal carpus
 - d. Volar carpal
5. In this type of TB spine, infection is localized to the anterior part of the vertebral body.
 - a. Appendiceal
 - b. Periosteal
 - c. Paradiscal
 - d. Central
6. A patient of 35 years old male complains of pain in his right shoulder when lifting up right hand above the head level. On examination, active movement produces painful arc with coronal abduction and tenderness below acromion and over greater tuberosity. What could be the possible diagnosis of the patient?
 - a. Frozen Shoulder
 - b. Supraspinatus tendinitis
 - c. Adhesive capsulitis
 - d. Bicipital tendinitis

7. Factors influencing prognosis in Perthe's disease includes
- Early onset poor is the prognosis
 - Early loss of hip movements poor is the prognosis
 - Early weight bearing better is the prognosis
 - Lateral subluxation/extrusion better is the prognosis
8. Bicapital tendinitis occurs due to
- Overuse
 - Trauma
 - Shoulder joint instability
 - All of the above
9. Out of the following type of diffuse systemic sclerosis, which one has poor prognosis?
- Limited cutaneous systemic sclerosis
 - Diffuse cutaneous systemic sclerosis
 - Overlap syndromes
 - All of the above
10. Systemic lupus erythematosus affects the
- Skin
 - Serous membranes
 - Renal system
 - All of the above
11. The primary deformity in genu valgum is
- Lateral angulation of knee
 - Medial angulation of knee
 - Deformity in femur
 - Deformity in tibia
12. Rocker bottom foot is a characteristic feature of
- CTEV(Congenital talipes equino varus)
 - Pes planus
 - CCPV(Congenital convex pes valgus)
 - Pes cavus
13. The diffuse rounding of the vertebral column is called.....
- Kyphus
 - Gibbus
 - Knuckle
 - All of the above
14.is a condition where distal interphalangeal joint is characteristically involved.
- Gout
 - Psoriatic arthritis
 - SLE
 - RA
15. A 12 year old boy complained of pain and massive swelling around right thigh. On examination reveals diaphyseal lesion and soft tissue swelling. The likely diagnosis is
- Osteosarcoma
 - Ewing's sarcoma
 - Osteoclastoma
 - Aneurysmal bone cyst
16. Why is posterolateral disc prolapse in lumbar spine more common?
- Disc lies more posteriorly
 - Load is more
 - Posterior longitudinal ligament is narrower
 - All of the above
17. Brodie's abscess usually involves
- Flat bones
 - Short bones
 - Pelvic bones
 - Long bones

18. Phalen's test is positive in:
- a. DeQuervain's disease
 - b. Carpal tunnel syndrome
 - c. Ganglion
 - d. Thoracic outlet syndrome
19. A 20-year-old man who plays baseball on his college team comes to the clinic because he has had pain in the right elbow for the past three weeks. The pain began approximately one week after the beginning of the baseball season. Physical examination of the elbow shows full range of motion in flexion, extension, supination, and pronation. No pain is elicited on varus or valgus stress of the elbow. Dorsiflexion of the right hand against resistance immediately elicits pain that is localized to the lateral aspect of the elbow. Which of the following is the most likely diagnosis?
- a. Biceps tendinitis
 - b. Tennis elbow
 - c. Golfers elbow
 - d. Sprain of the lateral collateral ligament
20. Patient often complains of pain onaspect of hip joint in case of hip arthritis.
- a. Posterior
 - b. Medial
 - c. Anterior
 - d. Lateral

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(PART-B : Descriptive)

Time : 2 hrs 40mins

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. Discuss in detail the evaluation of patients with low back pain. 10

2. a) Discuss the pathology, clinical features and management of ankylosing spondylitis. 5+5=10
b) Explain the tests to check the involvement of sacroiliac joint and cervical spine.

3. a) Discuss the classification, etiology, pathogenesis, differential diagnosis and management of osteomyelitis. 3+7=10
b) Write down its complications.

4. A 42 year old female comes to the department with complains of pain and paresthesia in the hand. On examination there is wasting of thenar eminence. Discuss the physiotherapy assessment and outline the physiotherapy management for this case. 7+3=10

5. A patient complains of pain in low back with paresthesia. His pain radiates to the buttocks and lower extremities and his pain reduces with forward flexion. On examination there is reduced spinal mobility, mild weakness and sensory changes. Outline the physiotherapy assessment for this case and discuss the management. 6+4=10

6. Discuss in detail the physiotherapy assessment and physiotherapy management of cervical spondylosis. 5+5=10

7. Describe the physiotherapy assessment and management for osteoarthritis of right knee with clinical reasoning. 5+5=10

8. Write short notes on: 5+5=10
 - a) Importance of palpation in musculoskeletal examination
 - b) Yamaguchi's criteria for classification of Still's disease

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