

MAHARASHTRA STATE BOARD OF VOCATIONAL EDUCATION EXAMINATION, MUMBAI

EXAMINATION – APRIL -2016 (Two Year Diploma Courses)

GROUP – PARAMEDICAL

TIME ALLOWED – 3 Hrs.

MARKS – 100

SUBJECT – ANATOMY AND ORTHOPAEDICS (TH)

Q.1 A) Fill in the blanks

05

1. A _____ is a break in the continuity of a bone.
2. There are _____ bones in a typical human body providing a range of functions.
3. _____ fracture may be a classic word called as dinner fork deformity.
4. _____ structure of long bone is mostly spongy bone, covered with compact bone.
5. _____ is a condition characterised by pain and tenderness at the lateral epicondyle of the humerus.
6. _____ bones are small and flat. They are inside tendons near joints of knees, hands, and feet.

B) True or false

05

1. supination and pronation are angular movement
2. Osteoarthritis is a degenerative joint disease that results from aging and irritation of joint.
3. In an anatomical position the hand is pronated
4. The elbow and knee joint are the hinge joint in the body.
5. Sutures are only found in the skull.
6. Arthritis is an inflammation of a joint.

C) State long form

05

- | | | |
|--------|---------|---------|
| 1. OA | 2. RA | 3. CTEV |
| 4. VIC | 5. PIVD | 6. MP |

D) Match the pairs

05

- | A | B |
|--------------------------|------------------------|
| 1.haversian canal | 1.axon |
| 2.nodes of ranvier | 2. Bone |
| 3.ligaments connect | 3.bone to bone. |
| 4.rheumatoid arthritis | 4.medial epicondylitis |
| 5.golfers elbow | 5.HLA-B27 |
| 6.ankylosing spondylitis | 6.swan neck deformity. |

Q.2

Attempt any two of the following.

16

1. Describe the origin, insertion nerve supply and actions of the following muscles:
 - (a) Popliteus.
 - (b) Pectoralis Major.
 - (c) Sternocleidomastoid.
2. (a) Write briefly on broncho-pulmonary segments.
 (b) Name the parts of small and large intestine along with their functions.
3. Management for supracondylar fracture for school going children.
4. Management for middle aged working women suffering from early osteoarthritis.

Q.3

Attempt any two of the following

16

1. Describe the ulnar nerve under the following headings:
 - (a) Root value.
 - (b) Course and branches.
 - (c) Effects of paralysis.
2. Describe the shoulder joint in detail. Add a note on its clinical importance.
3. Discuss in detail about Osteomyelitis – Definition, clinical features, types, causes, Management and complications.
4. Describe the cerebrum under the following headings:
 - a ① Surface, border, lobes
 - b ② Important sulci+ gyri in each lobe.
 - c ③ Functional areas.

explain in detail

Q.4

Brief answer and give example*(Any Two)*

16

1. Colles fracture
2. Myositis Ossificans.
3. Brachial plexus.
4. Femoral triangle.

Q.5

Write short notes and comment *(Any Four)*

16

1. Circle of willis.
2. Arches of foot.
3. Plantar Fascitis.
4. RA Hand.
5. Define Periarthritis Shoulder. List the clinical features.

1. Describe the hip joint under the following headings:

- (a) Type of joint
- (b) Articular surfaces of bones.
- (c) Capsule and ligaments.
- (d) Movements and muscles producing them.
- (e) Applied anatomy.

2. Describe briefly:

- (a) Course, branches and applied anatomy of facial nerve.
- (b) Joints of the neck.

3. Describe osteoarthritis

4. Tuberculosis of spine (potts disease).