MASTER OF PHYSICAL EDUCATION EXAMINATION, 2023

(2nd Year, 3rd Semester)

Sports Medicine

PAPER - MPCC - 302

Time : Three hours Full Marks : 70

Mention the Question number clearly before writing the answer.

Group - A

Answer ***any three*** questions. 15×3=45

1. Write about different types of skull fractures happened during participation in games and sports. What is whiplash injury? Discuss about pinched nerve injury in details. 5+2+8=15
2. Define concussion. Write in details about causes and management of different grades of concussion injury. 3+12=15
3. Define doping and drugs with example. Elaborate blood doping. List out the guiding principles to control doping specially mentioning with Athletes Biological Passport and Therapeutic exemptions. 2+5+8=15
4. Write down the anatomical considerations surrounding the knee joint. Explain the various common knee injuries and their rehabilitative management. 3+12=15
5. Prepare a list of twelve common sports injuries. Differentiate tennis elbow and golfer's elbow. Write the cause, symptoms and management of shoulder sprain. 3+5+7=15

Group - B

Write short notes on ***any two*** of the following : 7.5×2=15

6. Gene Doping
7. Ankle injury
8. Muscle Cramp
9. Wrist Sprain

Group - C

10. Write the correct option (***any ten***) : 1×10=10

i) Runner's knee is .....

a) patellofemoral pain syndrome
b) patellohumoral pain syndrome
c) knee pain
d) knee arthritis

ii) ..... is a small sac of fluid that goes between the tendon and the bone.

a) Bursa
b) Synovial fluid
c) Synovial sac
d) Bursitis

iii) ..... is hallux valgus.

a) Round shoulder
b) Knock knee
c) Bunions
d) High arches

iv) Match the following:

I. Purified protein	—	A. HBOC
II. Transition metal	—	B. EPO
III. Peptide hormone	—	C. Peroxidase
IV. Polymerized hemoglobin	—	D. Cobalt chloride

Codes:

	I	II	III	IV
a)	C	A	B	D
b)	B	D	A	C
c)	B	D	C	A
d)	C	D	B	A

v) According to ..... "The blood did not return to the liver or the heart. Instead, it would be consumed by the body, which meant that it needed to be constantly replenished."

a) Galen
b) Hippocrates
c) Aristotle
d) Harvey

vi) Abnormal androgenic features develop with the abuse of .....

a) HGH
b) ADH
c) Anabolic Steroids
d) Peptide hormones

vii) Paraplegia is associated with .....

a) injury of the spine
b) injury of the face
c) injury of the skull
d) injury of the heart

viii) Injections to the knee to improve mobility contains .....

a) Hyaluronic acid
b) Platelet-rich plasma (PRP)
c) Corticosteroid
d) All of the above

ix) ..... is a masking agent.

a) Testosterone
b) Danazol
c) Acretazolamide
d) Oxabolone

x) ..... is not a rotator cuff muscle.

a) Subscapularis
b) Infraspinatus
c) Teres Minor
d) Teres Major

xi) Labral tear occurs in the fibrous tissue that lines the

a) hip socket
b) swivel socket
c) spheroidal socket
d) shoulder socket

xii) The anterior cruciate ligament prevents

a) the femur from sliding backward on the tibia
b) the tibia sliding backward on the femur
c) the femur from sliding forward on the tibia
d) the femur from sliding forward on the fibula