

(6)

(x) PPAR gamma inserted in Marathon Mouse was a _____ burning gene.

(a) carbohydrate

(b) fat

(c) amino acid

(d) protein

(xi) Dilation of blood vessels and reduction in hypertension is associated with

(a) stimulants

(b) narcotic analgesics

(c) HGH

(d) beta blockers

(xii) Rotator cuff maintains mobility of the

(a) glenohumeral joint

(b) sacroiliac joint

(c) supraspinatus joint

(d) talocrural joint

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Ex/PG/PHE/MPCC-302/2024

MASTER OF PHYSICAL EDUCATION EXAMINATION, 2024

(2nd Year, 3rd Semester)

PAPER : MPCC-302

(Sports Medicine)

Time : Three Hours

Full Marks : 70

GROUP—A

Answer *any three* questions :

15×3=45

1. Discuss the concept of sports as a population medicine. Write the importance of sports medicine in physical education and exercise science. 8+7=15

2. Define doping and dope test. Classify drugs with examples. Why do sports persons use beta blockers? Mention the side effects of anabolic steroids and diuretics in sports persons. 2+4+2+7=15

3. Describe different degree and types of knee sprain along with its treatment. Explain the methods of lower extremity injury management. 10+5=15

(2)

4. Prepare a list of common head injuries. Discuss any three head injuries that occur in the field of sports. 3+12=15
5. Write the general anatomical features of shoulder girdle. Prepare a list of common shoulder injuries. Discuss any three shoulder injuries that occur in the field of sports. 4+4+7=15

GROUP—B

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

6. Athletes Biological Passport and EPO
7. Blood Doping
8. Pinched Nerve
9. Torticollis Injury

GROUP—C

10. Write the correct one (*any ten*) from the given options. 1×10=10

- (i) Haemo link and Haemo pure are examples of
- (a) HBOCs
- (b) PFCs
- (c) purified proteins
- (d) EPOs

(5)

- (vii) An athlete can avoid the risk of being sanctioned by WADA even if the treatment involves a prohibited substance, under
- (a) Doping Code
- (b) Therapeutic Use Exemption
- (c) Dope Test
- (d) Athletes Biological Passport
- (viii) Sprinters misuse
- (a) anabolic steroids and stimulants
- (b) stimulants and diuretics
- (c) beta blockers and stimulants
- (d) anabolic steroids and beta blockers
- (ix) _____ combined sports with medicine.
- (a) Aristotle
- (b) Herodicus
- (c) Hippocrates
- (d) Plato

(3)

(ii) Protein involved in the mediation of the growth hormone is

(a) acetylcholine

(b) IGF-1

(c) HGH

(d) adrenaline

(iii) The posterior cruciate ligament prevents

(a) the femur from sliding forward on the tibia

(b) the fibula from sliding backward on the tibia

(c) the tibia sliding forward on the femur

(d) the tibia from sliding backward on the fibula

(iv) Match the following :

(A) Glucosamine- (a) ankle

(B) Retrocalcaneal bursitis- (b) spine

(C) Coccydynia- (c) osteoarthritis

(D) Whiplash- (d) tail bone pain

(4)

(a) A-c B-d C-d D-a

(b) A-b B-c C-d D-a

(c) A-d B-d C-a D-c

(d) A-c B-a C-d D-b

(v) Common bruise is called

(a) abrasion

(b) contusion

(c) concussion

(d) laceration

(vi) Acute torticollis is associated with

(a) spine

(b) neck

(c) head

(d) shoulder