

Question Paper

Exam Date & Time: 04-Jun-2019 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2019
SUBJECT: BPT 202 - EXERCISE PHYSIOLOGY
(2016 SCHEME)
Tuesday, June 04, 2019 (14.00 - 16.00)

Marks: 50

Duration: 120 mins.

Answer ALL questions.

- 1) What is energy currency? Discuss about energy transfer during rest and during exercise. Add a note on indirect calorimetry. (10)
(2+6+2 = 10 marks)
- 2) What is dehydration? Discuss in detail the factors affecting the hydration status of an athlete. (10)
(3+7 = 10 marks)
- 3A) Explain the chronic adaptations to exercise on the cardiovascular system. (5)
- 3B) Explain Astrand's diet regimen for athletes. (5)
- 3C) Write a note on physiological responses to high altitude environment. (5)
- 3D) What is fatigue and discuss its management. (5)
(2+3 = 5 marks)
- 4A) Define agility. (2)
- 4B) How many calories does one gram of protein yield? (2)
- 4C) Name any two functions of blood. (2)
- 4D) What is anaerobic threshold? (2)
- 4E) Define VO₂max. (2)

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Question Paper

Exam Date & Time: 08-Jun-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2019
SUBJECT: BPT 204 - EXERCISE THERAPY - II
(2016 SCHEME)
Saturday, June 08, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1A) What are walking aids? Name the walking aids. Explain any two walking aids under following headings: (20)
i) Parts ii) Measurement iii) Advantages iv) Disadvantages
Add a note on Non-weight bearing crutch gaits
(2+2+10+6 = 20 marks)
- 1B) What is functional re-education? Discuss the principles of functional re-education. Discuss the sequence of functional re-education from supine to prone lying to sitting. (20)
(2+4+14 = 20 marks)
- 2A) Explain the principles of proprioceptive neuromuscular facilitation. (10)
- 2B) Define coordination. Explain the principles and technique of Frenkel's exercises. (10)
(2+4+4 = 10 marks)
- 3A) Discuss the muscle activity and uses of crawling. (5)
- 3B) Types of wheel chair propulsion (5)
- 3C) Causes of incoordination (5)
- 3D) Discuss the application and uses of rhythmic stabilisation. (5)
- 3E) Discuss the types of transfers. (5)
- 3F) Discuss Pre-crutch training. (5)
- 4A) Mention any four equilibrium tests for incoordination. (2)
- 4B) List any two precautions to be taken during transfers. (2)
- 4C) List the uses of bridging. (2)
- 4D) What is four point crutch gait? (2)
- 4E) Mention any four parts of a Wheel chair. (2)

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Question Paper

Exam Date & Time: 28-May-2019 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BPT/ B.Sc. C.V.T./ B.Sc. R.T./ B.Sc. M.I.T./ B.Sc. RRT&DT / BOPT / B.O.T./ B.Sc. P.F.T. DEGREE
EXAMINATION - MAY/JUNE 2019
SUBJECT : PHARMACOLOGY (PHAR 202)
(2016 SCHEME)
Tuesday, May 28, 2019 (14.00 - 16.00)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1A) List two classes of skeletal muscle relaxants with an example for each. (2)
- 1B) List two opioids and mention their two uses. (2)
- 1C) List two inhalational and two intravenous general anesthetics. (2)
- 1D) List two uses and two adverse effects of corticosteroids. (2)
- 1E) List two oral antidiabetic drugs and mention two adverse effects of insulin. (2)
- 2A) List four anti-tubercular drugs. (2)
- 2B) **Define the following with one example:** (8)
i) Teratogenicity
ii) Local anesthetics
iii) Chemoprophylaxis
iv) First pass metabolism
- 3A) Explain the mechanism of action of paracetamol and list its two uses. Mention two differences between aspirin and paracetamol. (5)
- 3B) List three classes of drugs with an example for each used in peptic ulcer. Explain the mechanism of action of any one class. (5)
- 3C) List two advantages and two disadvantages each of sublingual and intravenous routes of drug administration. Mention one drug each administered by sublingual and intravenous routes. (5)
- 3D) Mention two anticoagulants and explain the mechanism of action of any one of them. List two uses and two adverse effects of anticoagulants. (5)
- 4) **Give two examples and two uses for the following class of drugs:**
- 4A) Beta blockers (2)
- 4B) Antihistaminics (2)
- 4C) Beta lactam antibiotics (2)
- 4D) Benzodiazepines (2)
- 4E) ACE inhibitors (2)

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Question Paper

Exam Date & Time: 31-May-2019 (02:00 PM - 05:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER BPT AND SECOND SEMESTER B.Sc. M.R.T./BASLP DEGREE EXAMINATION - MAY/JUNE 2019
SUBJECT: PSYC 204/BMRT 110 - PSYCHOLOGY/ CLINICAL PSYCHOLOGY
(2016/2017 SCHEME)
Friday, May 31, 2019 (14.00 - 17.00)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1A) | Define emotion. Discuss various theories of emotion. | (20) |
| 1B) | Explain personality disorders according to ICD - 10 classification. | (20) |
| 2A) | Describe any two models of mental disorders. | (10) |
| 2B) | Piaget's theory of cognitive development. | (10) |
| 3A) | Mental retardation | (5) |
| 3B) | Perceptual organization | (5) |
| 3C) | Schizophrenia- Subtypes | (5) |
| 3D) | Types of conflict | (5) |
| 3E) | Classical conditioning | (5) |
| 3F) | Concepts of normality | (5) |
| 4A) | Shaping | (2) |
| 4B) | Phobia | (2) |
| 4C) | Introspection method | (2) |
| 4D) | Intelligence | (2) |
| 4E) | Types of memory | (2) |

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