

Question Paper

Exam Date & Time: 24-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

EIGHT SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: BPT 402TH - CARDIOPULMONARY PHYSIOTHERAPY - II
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) List the components of cardiac rehabilitation. Explain the phase one and three cardiac rehabilitation for a patient who has undergone Coronary artery bypass graft surgery (CABG). (20)
(8+12 = 20 marks)
- 2) List the components of Pulmonary rehabilitation and explain the pulmonary rehabilitation program for a 57-year-old male smoker with chronic obstructive pulmonary disease. The patient presented with breathlessness during daily activities. (20)
(6+14 = 20 marks)
- 3) A 49-year-old male has a history of pollen allergy and has been diagnosed with bronchial asthma for the past 30 years. Explain this patient's physiotherapy assessment and management. (10)
(5+5 = 10 marks)
- 4) Explain ANY TWO health-related components of fitness evaluation. (10)
(5+5 = 10 marks)
- 5A) Explain post-operative physiotherapy treatment of left-sided pneumonectomy. (5)
- 5B) Compare the types of respiratory failure. (5)
- 5C) Explain strength training methods for a 30-year-old healthy individuals. (5)
- 5D) Explain physiotherapy management for Lipid disorders. (5)
- 5E) Summarize the objective methods of physical activity evaluation. (5)
- 5F) Outline physiotherapy management for Buerger's disease. (5)
- 6A) Mention ANY TWO side effects of radiotherapy. (2)
- 6B) Mention stages of Hypertension. (2)
- 6C) Mention types of Pneumothorax. (2)
- 6D) Mention ANY TWO pharmacological ergogenic aid. (2)
- 6E) Mention ANY TWO advantages of circuit training. (2)

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Question Paper

Exam Date & Time: 22-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

EIGHTH SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: BPT 404TH - COMMUNITY PHYSIOTHERAPY II
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | What is a geriatric fall? Mention its risk factors. Explain balance tests and physiotherapy management for a recurrent faller. (4+4+6+6 = 20 marks) | (20) |
| 2) | Describe functional capacity evaluation for a transtibial amputee who is a four-wheeler mechanic. | (20) |
| 3) | Explain the role of a physiotherapist in improving bone health for post-menopausal women. | (10) |
| 4) | Explain the musculoskeletal system changes in aging with its implications for a physiotherapist. | (10) |
| 5A) | Explain fitness evaluation among older adults. | (5) |
| 5B) | Explain ANY FIVE principles of ergonomics. | (5) |
| 5C) | Describe the role of exercises during pregnancy. | (5) |
| 5D) | Explain the preventive management for sarcopenia in older adults. | (5) |
| 5E) | Write in brief about the work conditioning program. | (5) |
| 5F) | Briefly explain the risk factors for work-related musculoskeletal disorders. | (5) |
| 6A) | List ANY TWO thermoregulatory changes in older adults. | (2) |
| 6B) | Define ergonomics. | (2) |
| 6C) | Classify WRMSDs. | (2) |
| 6D) | What is job simulation? | (2) |
| 6E) | Define early intervention. | (2) |

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Question Paper

Exam Date & Time: 20-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

EIGHTH SEMESTER BPT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: BPT 406 - ETHICS ADMINISTRATION AND TEACHING SKILLS
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) A new physiotherapy clinic is being set up. Explain the how you would go about planning the setup, (20)
procuring the equipment, ensuring equipment maintenance and recruitment of new therapists.
(8+4+4+4 = 20 marks)
- 2) Describe the principles of ethics with appropriate examples for each one. Explain the ethical issues (20)
with preference to patient's rights.
(10+10 = 20 marks)
- 3) Explain financing of healthcare for the poor with respect to definition, concepts, principles, and (10)
types.
(2+2+3+3 = 10 marks)
- 4) Explain the ethical guidelines governing research highlighting the importance of the institutional (10)
ethics committee.
(6+4 = 10 marks)
- 5A) Describe the multiple roles of a teacher. (5)
- 5B) Describe the ethical issues when using patients for teaching. (5)
- 5C) What strategies can be used to resolve conflicts in the clinic? (5)
- 5D) Describe the potential legal issues arising from a disgruntled patient. (5)
- 5E) Explain the principles and methods of public education. (5)
- 5F) Describe the components of academic integrity. (5)
- 6A) Elaborate the "Do Not Resuscitate (DNR)" directive. (2)
- 6B) Expand CTRL. (2)
- 6C) List any TWO advantages of small group discussion. (2)
- 6D) What is the classification for hospitals? (2)
- 6E) Provide an example of negligence in Physiotherapy practice. (2)

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