

Question Paper

Exam Date & Time: 19-Apr-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER BACHELOR OF OCCUPATIONAL THERAPY DEGREE EXAMINATION - APRIL 2022
SUBJECT: BOT 201 - BIOMECHANICS AND KINESIOLOGY
(2016 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Describe the structure of wrist complex along with a diagram. | (20) |
| 2) | Describe the structure of knee joint. Comment on the arthrokinematics and osteokinematics of the same. | (20) |
| 3) | Describe any two types of levers. | (10) |
| 4) | Describe the factors influencing the movements of joints. | (10) |
| 5A) | Classify the types of joints as per the movements. | (5) |
| 5B) | Explain tenodesis release with an example. | (5) |
| 5C) | Describe equilibrium with an example. | (5) |
| 5D) | Describe the functions of shoulder girdle. | (5) |
| 5E) | Mention the purposes of scapula-humeral rhythm. | (5) |
| 5F) | Describe the characteristics of slide movement. | (5) |
| 6A) | Mention the movements of vertebral column. | (2) |
| 6B) | Mention names of any four pathological gait. | (2) |
| 6C) | Mention two common examples of Type II lever. | (2) |
| 6D) | Mention the joints forming pectoral girdle. | (2) |
| 6E) | Define inertia. | (2) |

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Question Paper

Exam Date & Time: 21-Apr-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER BACHELOR OF OCCUPATIONAL THERAPY DEGREE EXAMINATION - APRIL 2022
SUBJECT: BOT 203 - ASSESSMENTS IN OCCUPATIONAL THERAPY - II
(2016 SCHEME)

Answer ALL questions.

Marks: 100

Duration: 180 mins.

- 1) Explain the parameters considered while evaluating play and leisure. (20)
- 2) Name any four muscle groups responsible for trunk control. Describe the evaluation procedure for each muscle group. (20)
- 3) Define 'standardized assessments'. Explain the structure of assessments. (10)
- 4) Explain any two higher level cognitive abilities with appropriate examples. (10)
- 5A) Explain any two spinal level reflexes. (5)
- 5B) Briefly explain the steps involved in preplacement evaluation. (5)
- 5C) Explain any two assessment methods for unilateral neglect. (5)
- 5D) Explain the procedure for evaluation of tonic labyrinthine reflex. (5)
- 5E) Explain the procedure for assessment of pinch strength using a pinchometer. (5)
- 5F) Explain the Ashworth scale. (5)
- 6A) Define 'trick movements/substitution'. (2)
- 6B) Describe any two gross motor developmental milestones of a child at three years. (2)
- 6C) Mention any four types of reliability. (2)
- 6D) Name any two standardized instruments each for ADL and IADL evaluation. (2)
- 6E) Mention any four conditions leading to muscle weakness. (2)

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