

# Question Paper

Exam Date & Time: 30-May-2024 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

**SIXTH SEMESTER BPT/BOT/B.Sc. (ESS/ RRT & DT / RT / MIT) / FOURTH SEMESTER B.Sc. (PFT / CVT / CND / MLT / HIM / BOPT / BAOTT / RT / EMT / PHYSICIAN ASSISTANT / PSYCHOLOGY / NMT) / EIGHT SEMESTER (BPT / BOT) / SECOND SEMESTER BASLP DEGREE EXAMINATION - MAY/JUNE 2024**  
**SUBJECT: BST3201 / STAT 402 / BST 3202 - BIOSTATISTICS AND RESEARCH METHODOLOGY / BIOSTATISTICS / BASIC BIOSTATISTICS AND RESEARCH METHODOLOGY**  
**(2016/2020/2022 SCHEME)**

**Marks: 50**

**Duration: 120 mins.**

**Answer all the questions.**

- |     |  |     |
|-----|--|-----|
| 1A) | Elaborate graphical representation with examples.  | (5) |
| 1B) | Explain the properties of normal distribution with diagram.  | (5) |
| 2A) | Describe different types of clinical study designs.  | (5) |
| 2B) | Write short notes on non-probability sampling.   | (5) |
| 3A) | The triglycerides (serum) (in mg/dL) of 10 patients were as follows:<br>155, 150, 106, 89, 63, 68, 144, 125, 130, 74<br>Calculate mean, and standard for the above data. | (5) |
| 3B) | Define the following: (i) Incidence rate (ii) prevalence rate.   | (5) |
| 3C) | Discuss about regression analysis and its two equations.   | (5) |
| 3D) | Write short notes on research process.   | (5) |
| 4A) | Define skewness.   | (2) |
| 4B) | The following are the weights for 10 patients. Calculate range and mode 60, 54, 74, 82, 59, 63, 72, 89, 58, 85.  | (2) |
| 4C) | What is meant by systematic sampling?  | (2) |
| 4D) | Define scatter plot.   | (2) |
| 4E) | Define case report.  | (2) |

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# Question Paper

Exam Date & Time: 03-Jun-2024 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SIXTH SEMESTER B.Sc. (RRT & DT/RESPIRATORY THERAPY) / EIGHTH SEMESTER BOT DEGREE EXAMINATION -  
MAY/JUNE 2024  
SUBJECT: PSYC 402 - CLINICAL PSYCHOLOGY  
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

Write essay on:

- |    |   |      |
|----|---|------|
| 1) | Describe any three models of normality          | (10) |
| 2) | Discuss the different subtypes of schizophrenia | (10) |

3. Write a short note on:

- |     |                                 |     |
|-----|---------------------------------|-----|
| 3A) | Supportive therapy              | (5) |
| 3B) | Borderline personality disorder | (5) |
| 3C) | Alcohol Dependence              | (5) |
| 3D) | Survey method                   | (5) |

4. Write very short answers on:

- |     |                              |     |
|-----|------------------------------|-----|
| 4A) | Psychological rehabilitation | (2) |
| 4B) | Shaping                      | (2) |
| 4C) | Coping                       | (2) |
| 4D) | Aphasia                      | (2) |
| 4E) | Specific Phobia              | (2) |

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# Question Paper

Exam Date & Time: 20-May-2024 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

**EIGHT SEMESTER B.Sc. BOT DEGREE EXAMINATION - MAY/JUNE 2024**  
**SUBJECT: BOT 402/CPS4201 - CLINICAL PSYCHIATRY**  
**(2016 & 2020 SCHEME)**

**Marks: 50**

**Duration: 120 mins.**

**Answer all the questions.**

- |     |  |      |
|-----|--|------|
| 1)  | Describe the psychiatric disorders of childhood. Discuss the management of autism. | (10) |
| 2)  | Discuss the clinical features and management of mood disorders.                    | (10) |
| 3A) | Sleep disorders  | (5)  |
| 3B) | Brief intervention for substance use   | (5)  |
| 3C) | Psychiatric disorders in epilepsy  | (5)  |
| 3D) | Principles of community treatment  | (5)  |
| 4A) | Antipsychotic medications  | (2)  |
| 4B) | Clinical features of somatoform disorder   | (2)  |
| 4C) | Psychosocial factors in elderly  | (2)  |
| 4D) | Classification system in psychiatry  | (2)  |
| 4E) | Confidentiality  | (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 BACHELOR OF OCCUPATIONAL THERAPY DEGREE EXAMINATION - MAY/JUNE 2024**  
**SUBJECT: BOT 404- OCCUPATIONAL THERAPY FOR CHILDREN**  
**(2016 SCHEME)**

**Marks: 100**

**Duration: 180 mins.**

**Answer all the questions.**

- 1) Discuss occupational therapy intervention strategies to improve visual-cognitive functions in children with visual perceptual disorders. (20)
- 2) Explain dysfunction occurring due to symptoms of autism spectrum disorder. Describe five occupational therapy interventions for the same. (20)  
(5+15 = 20 marks)
- 3) Discuss five dysfunctions in children with neuromuscular disorders, according to the Neuro-developmental Therapy Frame of Reference (10)
- 4) Discuss the features of wheelchairs that occupational therapists consider prior to recommending them for children with physical disabilities. (10)
- 5A) Describe 'Arena assessments' and their benefit. (5)
- 5B) Describe the occupational therapy interventions based on biomechanical frame of reference for children with physical disabilities. (5)
- 5C) Describe five occupational therapy intervention strategies to facilitate school participation. (5)
- 5D) Describe the characteristics of a child having social anxiety. (5)
- 5E) Define 'seizure' and outline safety measures to safeguard a child during an episode of seizure. (5)  
(2+3 = 5 marks)
- 5F) Describe occupational therapy intervention for children with muscular dystrophy (5)
- 6A) List two complementary models of family-centered services. (2)
- 6B) Describe the term 'reverse inclusion'. (2)
- 6C) List four characteristics of children with spina bifida. (2)
- 6D) List two assessment tools to measure sensory and sensory motor processing in children with Attention Deficit Hyperactive Disorder. (2)
- 6E) Define 'Developmental Coordination Disorder'. (2)

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# Question Paper

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



## MANIPAL ACADEMY OF HIGHER EDUCATION

**EIGHTH SEMESTER BOT DEGREE EXAMINATION - MAY/JUNE 2024**  
**SUBJECT: BOT 406 - OCCUPATIONAL THERAPY IN MENTAL HEALTH**  
**(2016 SCHEME)**

**Marks: 100**

**Duration: 180 mins.**

**Answer all the questions.**

- 1) Describe two intervention strategies used in occupational therapy practice based on the cognitive-behavioral approach. Explain four limitations of the cognitive-behavioral approach. (20)  
(10+10 = 20 marks)
- 2) Explain five occupational therapy goals for substance-related disorders. Describe any two occupational therapy intervention for the same. (20)  
(10+10 = 20 marks)
- 3) Explain four occupational therapy strategies to teach transportation-related skills to an individual with psychosocial dysfunction. (10)  
(2½ marks × 4 = 10 marks)
- 4) Explain the individual and family protective factors for positive mental health. (10)  
(5+5 = 10 marks)
- 5A) Explain 'observation' as an assessment method in mental health occupational therapy. (5)
- 5B) Explain the application of shaping and chaining behavioral techniques in occupational therapy practice with an example each. (5)  
(2½ marks × 2 = 5 marks)
- 5C) Explain five strategies for selecting activities for responding to clients with mania. (5)
- 5D) Explain the role of the occupational therapist in conducting parallel groups. (5)
- 5E) Explain two techniques used in occupational therapy for the management of panic disorder. (5)  
(2½ marks × 2 = 5 marks)
- 5F) Explain two areas of occupational dysfunction in clients with borderline personality disorder. (5)  
(2½ marks × 2 = 5 marks)
- 6A) Define environmental 'affords' in the Model of Human Occupation with an example. (2)
- 6B) State two techniques used to help with the generalization of social skills for clients with psychosocial dysfunctions. (2)
- 6C) List four stress management techniques. (2)
- 6D) List four occupational therapy interventions for clients with paranoid schizophrenia. (2)
- 6E) List two models that can be used in occupational therapy interventions for families of clients with mental illness. (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 BACHELOR OF OCCUPATIONAL THERAPY DEGREE EXAMINATION - MAY/JUNE 2024**  
**SUBJECT: OCT4221- OCCUPATIONAL THERAPY FOR CHILDREN**  
**(2020 SCHEME)**

**Marks: 100**

**Duration: 180 mins.**

**Answer all the questions.**

- 1) Describe ANY FIVE categories of dysfunction that are typically displayed by children with specific learning disabilities, with an emphasis on how they affect academic and social functioning. (20)  
(5x4 = 20 marks)
- 2) Explain sensory integration dysfunction. Describe ten principles essential to sensory integration interventions. (20)  
(10+10 = 20 marks)
- 3) Discuss five signs related to feeding problems in children. (10)  
(5X2 = 10 marks)
- 4) Describe Warren's hierarchy of visual perceptual skill development with an illustration. (10)
- 5A) Describe the role of an occupational therapist in enabling a family during the grief loss process. (5)
- 5B) Explain five prerequisites for formal handwriting instruction. (5)
- 5C) Describe five levels of Takata's Play Taxonomy. (5)
- 5D) Explain the use of environmental strategies that occupational therapists practice in schools. (5)
- 5E) Describe the application of behavioural and sensory strategies to support sleep participation in children with autism. (5)  
(2½+2½ = 5 marks)
- 5F) Explain the purposes of parent training programs for parents of children with Attention Deficit Hyperactivity Disorder. (5)
- 6A) List two reasons for a child to get a home health referral to occupational therapy. (2)
- 6B) List four adaptive devices for easy donning and doffing of shoes. (2)
- 6C) List four types of muscular dystrophy. (2)
- 6D) List four factors that often trigger seizure episodes. (2)
- 6E) List two common occupational therapy goals for children with Developmental Coordination Disorder. (2)

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# Question Paper

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



## MANIPAL ACADEMY OF HIGHER EDUCATION

**EIGHT SEMESTER BOT DEGREE EXAMINATION - MAY/JUNE 2024**  
**SUBJECT: OCT4222 - OCCUPATIONAL THERAPY IN MENTAL HEALTH**  
**(2020 SCHEME)**

**Marks: 100**

**Duration: 180 mins.**

**Answer all the questions.**

- 1) Discuss four major occupational therapy interventions for individuals with paranoid schizophrenia. (20)  
(5×4 = 20 marks)
- 2) Explain the application of the following techniques for a client seeking treatment in long-term mental health setting with an example for each. (20)  
a) Backward Chaining  
b) Shaping  
c) Modeling  
d) Positive reinforcement  
(4×5 = 20 marks)
- 3) Explain the guidelines for 'goal setting' and the need for it in occupational therapy. (10)  
(6+4 = 10 marks)
- 4) Describe 'therapeutic use of self' with an example. Explain its application to address three types of dependence among clients. (10)  
(5+5 = 10 marks)
- 5A) Describe the focus of occupational therapy interventions for 'work' and 'leisure' in outpatient settings. (5)
- 5B) Explain A-B-C theory with an example. (5)  
(3+2 = 5 marks)
- 5C) Opine on the use of technology-based activities in occupational therapy for clients with mental illness. (5)
- 5D) Describe any two deficits in occupational functioning in individuals with alcohol dependence syndrome. (5)
- 5E) Justify the choice of guided practice versus psychoeducational training as a method of social skill training. (5)
- 5F) Describe any two occupational therapy interventions for individuals with borderline personality disorder, with rationale. (5)  
(2.5×2 = 5 marks)
- 6A) List two reasons why an occupational therapist may avoid addressing issues related to sexuality in clients with mental illness. (2)
- 6B) Explain the term 'objective burden' in caregivers of individuals with mental illness. (2)
- 6C) Outline four psychological factors that may affect mental health (2)
- 6D) Explain the term 'defense mechanisms.' (2)
- 6E) State the purpose of interviewing in occupational therapy evaluation. (2)

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# Question Paper

Exam Date & Time: 27-May-2024 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

EIGHTH SEMESTER BOT DEGREE EXAMINATION - MAY/JUNE 2024  
SUBJECT: OCT4241 - PROGRAM ELECTIVE - II: SCHOOL BASED OCCUPATIONAL THERAPY  
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Describe occupational therapists' role in school setting. (10)
- 2) Describe five occupational therapy interventions to facilitate mealtime participation for a student with autism in school. (10)
- 3A) Explain the application of a strengths-based occupational therapy approach for a student in a school setting. (5)
- 3B) Explain 'interaction strategies' for safe school transportation of students with sensory processing issues. (5)
- 3C) Summarize the following informal methods in occupational therapy transition evaluation in school. (5)
  - i) Person-centered planning
  - ii) Discovery(2.5 + 2.5 = 5 marks)
- 3D) Describe goal development process by the Individualized Education Program team for a student, with a suitable goal example. (5)  
(3+2 = 5 marks).
- 4A) Define the term 'Least Restrictive Environment'. (2)
- 4B) Opine on the benefits of co-supporting arrangements in a school. (2)
- 4C) Write the full form of 'RMSA' scheme of the Government of India for school education. (2)
- 4D) Mention two ways to reduce weight bias among students in school as an occupational therapist. (2)
- 4E) Describe the '20/20/20' rule to reduce eye strain. (2)

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# Question Paper

Exam Date & Time: 27-May-2024 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

EIGHTH SEMESTER BOT DEGREE EXAMINATION - MAY/JUNE 2024

SUBJECT: OCT4242 - PROGRAM ELECTIVE - II: OCCUPATIONAL THERAPY IN MENTAL HEALTH PROMOTION AND PREVENTION  
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Explain three occupational therapy strategies for enhancing hope to promote mental health in individuals. (10)
- 2) Explain any five 'values' that may enable promoting personal responsibility for health in individuals at risk for substance use-disorder. (10)
- 3A) Describe any five criteria for evaluation of objectives of mental health promotion program. (5)
- 3B) Explain the application of transtheoretical model for smoking cessation among university students. (5)
- 3C) Compare and contrast between the following programs related to national and governmental initiatives to promote physical activity. (5)
  - i) Active Community Environment Initiatives (ACES)
  - ii) We Can (ways to Enhance Children's Activity & Nutrition)
- 3D) Explain the following health promotion program for adolescent. (5)
  - i) Every Child Matters
  - ii) Healthy Minds: Promoting Emotional Health and Wellbeing in Schools(2.5+2.5 = 5 marks)
- 4A) Define the term 'primary prevention' in community mental health. (2)
- 4B) List four assessments tools to measure physical activity in adults. (2)
- 4C) List any four risk factors that affect mental wellbeing in adolescents with rationale. (2)
- 4D) Define the term 'support group' in mental health promotion. (2)
- 4E) List two assessment tools to measure caregiver burden. (2)

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