

# 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: 24-May-2024 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BASLP DEGREE EXAMINATION - MAY/JUNE 2024  
SUBJECT: ASL1201 - NEUROLOGY  
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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|-----|--|------|
| 1)  | Explain the source and circulation of CSF. Explain the pathophysiology of hydrocephalus. | (20) |
| 2)  | What are the cognitive disorders associated with neurologic origin?                      | (20) |
| 3)  | Describe the origin, insertion, and function of cranial nerves X and XII.                | (10) |
| 4)  | Explain the neural control of swallowing with suitable illustrations.                    | (10) |
| 5A) | What are the functions of brainstem?   | (5)  |
| 5B) | Explain the role of basal ganglia in speech motor control.                               | (5)  |
| 5C) | Briefly explain the role of LMN system.  | (5)  |
| 5D) | Explain tumours of the CNS.  | (5)  |
| 5E) | Describe the characteristics of parkinsonism.  | (5)  |
| 5F) | Discuss any one child language disorder associated with a neurologic origin.             | (5)  |
| 6A) | Explain central auditory nervous system.   | (2)  |
| 6B) | What are Arnold Chiari malformations?  | (2)  |
| 6C) | Explain ataxic dysarthria.   | (2)  |
| 6D) | What are primitive reflexes?   | (2)  |
| 6E) | Describe the characteristics of cerebral palsy.  | (2)  |

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# Question Paper

Exam Date & Time: 27-May-2024 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER BASLP DEGREE EXAMINATION - MAY/JUNE 2024  
SUBJECT: ASL1202 - OTOLARYNGOLOGY  
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Explain the etiology, clinical features, investigations and treatment of Meniere's disease. (20)  
(4+6+4+6 = 20 marks)
- 2) Describe the anatomy of the tongue with respect to the structure, taste buds, muscles, blood supply and nerve supply. (20)  
(4+4+4+4+4 = 20 marks)
- 3) Draw a neat labelled diagram of larynx. Enumerate the muscles of larynx. (10)
- 4) Describe post-surgical care and complications of cochlear implantation. (10)
- 5A) Herpes zoster oticus - explain clinical features and treatment. (5)
- 5B) Quinsy - define, clinical features, treatment. (5)
- 5C) Sialolithiasis - define, clinical features, treatment. (5)
- 5D) Stapedial Reflex - describe the pathway and clinical importance (5)
- 5E) Describe the Anatomy & Function of eustachian tube. (5)
- 5F) Presbycusis - define, clinical features and treatment (5)
- 6A) Enumerate 2 causes of Trismus (2)
- 6B) Name the 4 constrictions of the Oesophagus (2)
- 6C) Enumerate 4 ototoxic drugs (2)
- 6D) List 4 indications for Direct Laryngoscopy (2)
- 6E) List aural hygiene advice for a patient with a perforation of the eardrum (2)

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# Question Paper

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



## MANIPAL ACADEMY OF HIGHER EDUCATION

**FOURTH SEMESTER B.Sc. (BOT/CVT/BPT/) / SECOND SEMESTER BASLP DEGREE EXAMINATION - MAY/JUNE 2024**  
**SUBJECT: CPY2201/CPY2202 - CLINICAL PSYCHOLOGY**  
**(2020 SCHEME)**

**Marks: 50**

**Duration: 120 mins.**

**Answer all the questions.**

- |     |  |      |
|-----|--|------|
| 1)  | Explain various theories of forgetting           | (10) |
| 2)  | Explain the psychological theories of Motivation | (10) |
| 3A) | Summarize the different ways to handle conflict  | (5)  |
| 3B) | List the steps in crisis intervention            | (5)  |
| 3C) | Explain the concept of normality and abnormality | (5)  |
| 3D) | Different types of Intelligence tests            | (5)  |
| 4A) | Trial and error                                  | (2)  |
| 4B) | Bipolar disorder                                 | (2)  |
| 4C) | Transference                                     | (2)  |
| 4D) | Operant conditioning                             | (2)  |
| 4E) | Substance abuse                                  | (2)  |

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