

# 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

FOURTH SEMESTER B.Sc. (RRT & DT/RT/EMT/HIM/MIT/BOATT/CND/PHYSICIAN ASSISTANT) DEGREE EXAMINATION -  
MAY/JUNE 2024  
SUBJECT: GPY2201 - GENERAL PSYCHOLOGY  
(2020/2022 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- |     |  |      |
|-----|--|------|
| 1)  | Define Psychology. Summarize the schools of Psychology | (10) |
| 2)  | Explain the different theories of Forgetting           | (10) |
| 3A) | Personality Assessment                                 | (5)  |
| 3B) | Maslow's theory of motivation                          | (5)  |
| 3C) | Schedules of reinforcement                             | (5)  |
| 3D) | Types of Perceptual constancy                          | (5)  |
| 4A) | Independent variable                                   | (2)  |
| 4B) | Negative emotions                                      | (2)  |
| 4C) | Chunking   | (2)  |
| 4D) | Algorithm  | (2)  |
| 4E) | Two factor theory of intelligence                      | (2)  |

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# Question Paper

Exam Date & Time: 28-May-2024 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. HIM DEGREE EXAMINATION - MAY/JUNE 2024  
SUBJECT: HIM2201 - HOSPITAL ACCOUNTING  
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

Long Essays:

- 1A) Organize and enter the following transactions in proper subsidiary books. (20)
- | 2021   | Rs    |
|--|-------|
| May 1 Bought goods from Ajay                     | 6,500 |
| May 3 Sold goods to Bimal                        | 1,000 |
| May 4 Allowance claimed from Ajay for shortage   | 50    |
| May 5 Sold goods to Shyam                        | 1,500 |
| May 6 Sold goods to Chandan                      | 2,000 |
| May 9 Bought goods from Alvin                    | 2,000 |
| May 10 Allowance granted to Chandan for shortage | 40    |
| May 12 Sold goods to Ganesh                      | 800   |
| May 12 Allowance granted to Shyam for overcharge | 20    |
| May 13 Sold goods to Rahul                       | 700   |
| May 18 Sold goods to Hilary                      | 600   |
| May 20 Ganesh returned goods                     | 50    |
| May 22 Rahul returned goods                      | 40    |
| May 23 Returned goods to Alvin                   | 100   |
| May 24 Purchased goods from Dinesh               | 800   |
| Packing charges                                  | 50    |
- 1B) Develop and Journalise the following transactions in the books of Rajan. (20)

2022	Rs
July 1 Paid in to the bank	13,000
July 3 Bought goods for cash	14,000
July 5 Sold goods for cash	6,000
July 7 Sold goods to Murthy on credit	4,000
July 8 Bought goods from Rajan on credit	5,000
July 9 Paid rent to land lord	3,000
July 14 Paid salaries to manager	10,000
July 15 Received commission from Suresh	2,000
July 18 Withdrew cash from office for personal use	4,000
July 20 Paid for repairing machine	200
July 22 Received from Manu	2,000
July 24 Paid Salary	4,900
July 25 Received commission	7,500

## 2. Short Essays:

- 2A) Show the following transactions in a simple cash book. (10)

2021	Rs.
Feb 1 Received from Rahul	1,500
Feb 3 Paid to Adil	200
Feb 6 Received from cash sales	1,600
Feb 7 Paid to Naresh	200
Feb 10 Purchased office furniture	300
Feb 13 Paid for stationery	50
Feb 15 Received commission	100
Feb 18 Paid interest on loan	80
Feb 19 Received from Nidhi	500
Feb 23 Withdrew for personal use	200
Feb 27 Paid office rent	300
Feb 28 Paid salaries	600

- 2B) From the following particulars build a B.R.S as on 31.03.2022: (10)

- Bank balance as per pass book on 31.03.2022 Rs 15,200.
- Bank charges debited Rs 130.
- Cheques issued but not presented to bank for payment Rs 2,000.
- Cheques deposited to the bank but not credited in the passbook Rs 7000.
- A cheque entered as a deposit in the cash book instead of a payment Rs 220.
- Rs 364 paid to the bank had been entered twice in the cash book.
- The receipt column of the cash book has been overcast at Rs 1,000.

## 3. Short Answers:

- 3A) Explain the following: (5)
- Dual aspect concept.
  - Accounting period concept.
  - Matching concept.

- 3B) Define book-keeping and explain its objectives. (5)
- 3C) From the following prepare and develop the Purchases return book. (5)
- |                                |           |
|--------------------------------|-----------|
| i) Purchased goods from Vikram | Rs 4,000  |
| ii) Purchased goods from Vijay | Rs 3,000  |
| iii) Goods returned to Vijay   | Rs 50     |
| iv) Returned goods to Vikram   | Rs 100    |
| v) Purchased goods from Vivek  | Rs 10,000 |
| vi) Returned goods to Vivek    | Rs 500    |
- 3D) Classify the following into Assets and Liabilities: (5)
- Cash
  - Creditors
  - Debtors
  - Land
  - Loan
  - Bills payable
  - Good will
  - Copy right
  - Outstanding rent
  - Prepaid insurance
- 3E) Write a note on the classification of accounts with suitable examples. (5)
- 3F) Write a note on Subsidiary books with their format. (5)

#### 4. Short Notes:

- 4A) What is a personal account? What is its rule of debit and credit? (2)
- 4B) Give the meaning of Assets and liabilities. (2)
- 4C) What is a Bank reconciliation statement? (2)
- 4D) What is a cash book? What is its importance? (2)
- 4E) What is posting? Explain how a transaction is posted to the ledger. (2)

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# Question Paper

Exam Date & Time: 05-Jun-2024 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. HIM DEGREE EXAMINATION - MAY/JUNE 2024  
SUBJECT: HIM2202 - ORGANIZATIONAL BEHAVIOR  
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- |     |   |      |
|-----|---|------|
| 1A) | Analyze the major personality traits according to the Big Five model. How do these traits influence individual behavior and job performance in organizations? | (20) |
| 1B) | Examine the barriers to perception and its impact on healthcare Industries. Support your answer with relevant examples  | (20) |
| 2A) | Describe the importance of values in shaping organizational culture. How do individual and organizational values influence behavior and decision making?      | (10) |
| 2B) | Examine the role of job satisfaction in organizational behavior. How does job satisfaction influence employee motivation and performance?                     | (10) |
| 2C) | Explain Autocratic, Custodial, Supportive, Collegial, and System Models of Organizational behaviour   | (10) |
| 2D) | Bring out the difference between Type and Trait theory of personality   | (10) |
| 3A) | What is Sigmund Freud's psychoanalytic theory?  | (5)  |
| 3B) | List the types of decisions that are taken in healthcare organizations  | (5)  |
| 3C) | What is operant conditioning in OB?   | (5)  |
| 3D) | Contrast Instrumental and Terminal values   | (5)  |

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# Question Paper

Exam Date & Time: 01-Jun-2024 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. HIM DEGREE EXAMINATION - MAY/JUNE 2024  
SUBJECT: HIM2241 - PROGRAM ELECTIVE - I : APPLIED HEALTH INFORMATICS  
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Explain the benefits of Decision Support Systems. (10)
- 2) What is the difference between opt-in and opt-out consent used in healthcare? (C2) (10)
- 3) What is the difference between Covered Entities, Business Associates, and Protected Health Information (PHI)? (10)

#### 4. Short Answers

- 4A) What is validity and reliability in the context of healthcare data? (5)
- 4B) What are the negative impacts of healthcare applications on society? (5)

#### 5. Very Short Answers

- 5A) What is consumer-mediated health information exchange? (2)
- 5B) What is the purpose of HIPAA? (2)
- 5C) What is structured healthcare data? (2)
- 5D) What is a paper Legal Health Record (LHR)? (2)
- 5E) What is Electronic Health Record (EHR)? (2)

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# Question Paper

Exam Date & Time: 01-Jun-2024 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FOURTH SEMESTER B.Sc. HIM DEGREE EXAMINATION - MAY/JUNE 2024  
SUBJECT: HIM2242 - PROGRAM ELECTIVE - I : PUBLIC HEALTH INFORMATION MANAGEMENT  
(2020 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- |     |   |      |
|-----|---|------|
| 1)  | Define Health Information System (HIS) assessment. What are the components of HIS assessment?                           | (10) |
| 2)  | What is meant Computerization of Public Health Information System? Explain the computerization process designed by WHO. | (10) |
| 3A) | Outline the necessary steps in planning for the success of a Health Information System (HIS)                            | (5)  |
| 3B) | Describe Performance Indicator of Health Information System   | (5)  |
| 3C) | Define Epidemiological Surveillance with examples   | (5)  |
| 3D) | Illustrate the flowchart of Organizational Model of health services   | (5)  |
| 4A) | List any two essential public health functions  | (2)  |
| 4B) | What is meant by vital registration?  | (2)  |
| 4C) | What do you mean by vertical data transmission?   | (2)  |
| 4D) | What is a survey?   | (2)  |
| 4E) | What do mean by a District Health Information System?   | (2)  |

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