

Question Paper

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



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B.Sc. Health INFORMATION MANAGEMENT DEGREE EXAMINATION-JUNE 2024
SUBJECT: BHIM-205- QUALITY ASSURANCE IN HEALTH & HOSPITAL STATISTICS
(SCHEME 2016)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Write down the ten steps of monitoring and evaluation process in healthcare and with a suitable hospital case scenario, explain in detail about each step of monitoring and evaluation process. (20)
- 2) With the following data, calculate the gross death rate and net death rate for each month and for the whole period. (20)

| Period | Total no of discharges excluding deaths | Number of deaths <48hrs of admission | No of death >48hrs of admission |
|-----------|---|--------------------------------------|---------------------------------|
| June | 640 | 10 | 3 |
| July | 570 | 8 | 2 |
| August | 595 | 9 | 3 |
| September | 675 | 7 | 4 |

- 3) What is TQM? With an illustration explain in detail about the elements of TQM (10)
- 4) Discuss about the utilization management process and its importance in a QA program (10)
- 5A) Briefly explain about types of quality measure with suitable examples (5)
- 5B) Write down the relevance of census statistics in measuring the healthcare outcomes. (5)
- 5C) Briefly explain about benchmarking and types of benchmarking. (5)
- 5D) Discuss the important aspects of QA triangle. (5)
- 5E) Write down about the medical audit process and its benefits. (5)
- 5F) Briefly explain about the components of quantitative analysis of medical record documentation. (5)

6) Write short notes:

- 6A) Four step approach (2)
- 6B) HSMR (2)
- 6C) Prevalence rate (2)
- 6D) Quality control (2)
- 6E) Bed occupancy rate (2)

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



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B.Sc. HEALTH INFORMATION MANAGEMENT DEGREE EXAMINATION - JUNE 2024
SUBJECT: HIM2103-QUALITY ASSURANCE IN HEALTH & HOSPITAL STATISTICS
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Based on your learnings, list down the most common problems with inpatient medical records documentation quality. Discuss how MRD can address the problems and improve the quality of medical record documentation using the concepts of the PDCA method. (20)
- 2) With suitable examples, explain the application of quality management principles in ensuring the successful implementation of quality assurance activities in a healthcare setting. (20)
- 3) Write down the importance of the Hospital infection control program in achieving better patient care outcomes. (10)
- 4) A 350-bedded hospital in the month of April reported IP discharges of 1880. In the same month, the hospital also reported a total of 9100 IP days of stay and an occupancy rate of 89%. Calculate the Average daily IP census, ALOS, and Bed turnover rate (Direct and indirect method). (10)
- 5A) Write down the important applications of mortality statistics in assessing the effectiveness and efficiency of hospital clinical services. (5)
- 5B) Give a brief account of the occurrence screening process. (5)
- 5C) Explain how a risk management program can enhance patient safety aspects. (5)
- 5D) Briefly discuss the utilization management review process. (5)
- 5E) Discuss the importance of leadership in attaining TQM in a hospital. (5)
- 5F) Write about different types of hospital data. (5)
- 6A) Quality Indicator (2)
- 6B) Prevalence rate (2)
- 6C) Nosocomial infection rate (2)
- 6D) PCEs (2)
- 6E) Complication rate (2)

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Question Paper

Exam Date & Time: 18-Jun-2024 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER B.Sc. HEALTH INFORMATION MANAGEMENT DEGREE EXAMINATION-JUNE 2024
SUBJECT: PATH-203- PATHOLOGY
(SCHEME 2016)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Define acute leukaemia. Classify acute myeloid leukaemia according to French-American-British system (FAB). Describe the clinical feature of acute myeloid leukaemia. (10)
(2+4+4 = 10 marks)
- 2A) Explain the cardinal signs of acute inflammation (5)
- 2B) Describe the sequelae of acute inflammation (5)
- 3A) Describe the aetiology and predisposing factors of a tumor. List 2 examples each of an epithelial and mesenchymal tumor (5)
(3+2 = 5 marks)
- 3B) Describe the pathogenesis of septic shock (5)

4) Write a short note on:

- 4A) Thrombocytopenia (5)
- 4B) Sickle cell anemia (5)

5) In a tabular format differentiate the following terms with suitable examples

- 5A) Hyperplasia and hypertrophy (2)
- 5B) Metaplasia and dysplasia (2)
- 5C) Granuloma and granulation tissue (2)
- 5D) Thrombosis and embolism (2)
- 5E) Coagulative and liquefactive necrosis (2)

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