Rajiv Gandhi University of Health Sciences, Karnataka

III semester Bachelors in Hospital Administration Degree Examination – 06-Jan-2021

Time: Three Hours Max. Marks: 80 Marks

MATERIALS PLANNING AND MANAGEMENT

Q.P. CODE: 1312

Your answers should be specific to the questions asked. Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Discuss in detail the principles of storage and stores accounting.
2. Define inventory control. Discuss the various types of inventory control techniques.
3. What is contract administration? Prepare a model contract for laundry service.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. LC payments
5. Types and significance of purchasing policy
6. Materials planning
7. Sale of Goods Act
8. Distribution management
9. Management of blood bank
10. Drug control act with respect to purchase activities
11. Principles of quality management
12. Relevance of materials management to hospitals
13. Stores location

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

14. Buffer stock
15. Common foreign currencies
16. Define quality control.
17. Total supply cart exchange system
18. Define materials management.
19. What is import substitution?
20. Define logistics management.
21. FSN
22. Just in Time technique
23. What is contract act?
24. Par level transfer system
25. Define procurement.

Rajiv Gandhi University of Health Sciences, Karnataka

III semester Bachelors in Hospital Administration Degree Examination – 20-Jan-2021

Time: Three Hours Max. Marks: 80 Marks

Hospital Hazards & Disaster Management

Q.P. CODE: 1309

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Illustrate process of epidemic management
2. Define biomedical waste. Explain the categories; color coding, treatment and Disposal of biomedical wastes.
3. Explain various types of methods used for excreta and sewage disposal.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Give a detailed account of modern sewage treatment.
5. Write a note on Hospital Infection control.
6. Describe Autoclave and Incineration.
7. Explain briefly about roles and functions of Hospital Infection Control Committee.
8. Describe in detail about the health effects of improper waste disposal.
9. Management of natural disaster
10. Fire safety protocols in hospital
11. Discuss role of NGO in disaster management.
12. Illustrate in detail Ergonomics hazards and measures to prevent them
13. Write a note on Medical Insurance.

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. Needle stick injury
15 What is cashless hospitalization?
16. Various nodal agencies for disaster management
17. Water sewerage system
18. Drug Addiction
19. What is Aqua privy?
20. Bioterrorism and Biological warfare
21. Functions of NDMA
22. Explain BOD and COD.
23. Role of hospital infection control committee
24. Equipments used in Ambulance
25. Transportation of Biomedical waste

Rajiv Gandhi University of Health Sciences, Karnataka

III semester Bachelors in Hospital Administration Degree Examination – 27-Jan-2021

Time: Three Hours Max. Marks: 80 Marks

Biostatistics (Operations Research and Research Methodology)

Q.P. CODE: 1310

(QP Contains Two Pages)

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. In one of the wards a hospital, the frequency distribution of days according to number of admissions per day during a period of 100 days were as follows. On the basis of this data simulate the pattern of admissions in the ward for first 15 days in a month.

Frequency distribution of days according to no. of admissions per day

No. of admission per day	0	1	2	3	4	5	6	Total
No. of days	5	12	12	32	29	5	5	100

Random numbers selected for different days were as follows

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Random No.	53	63	35	63	98	02	64	85	58	34	03	62	08	07	01

2. What is decision analysis? Describe different styles of decision making.
3. Explain the concepts involved in research designs. Describe Randomised Block design.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Describe layout of a Research report.
5. Describe various types of research.
6. Describe Simple Random Sampling and Stratified Random Sampling technique.
7. Describe scope of Operation Research in hospital management.
8. Describe various time factors calculated in critical path method.
9. In a hospital there are three operation theatres each working for 12 hours a day? The hospital can undertake two types of surgeries A and B. Each of Type A surgery can fetch Rs.400 while Type B surgery can fetch Rs.800. Type A surgery utilizes 3 hours of OT time while Type B surgery utilizes 5 hours. Surgeons engaged for performing surgery are to be paid Rs.200 per A type of surgery and Rs.400 for Type B surgery. Hospital can spend only Rs.100000 on payments to surgeons.

   Construct Objective function and Constraints inequalities from the above data to solve a suitable combinations of surgeries so that hospitals earn maximum revenue using linear programming technique.
10. Describe formula used of Queuing theory for calculating length of queue, waiting time and idle time.
11. Describe quantitative methods of data collection with their merits and demerits.
12. Describe Normal distribution and its properties.
13. Explain with an example the Decision tree analysis.

Rajiv Gandhi University of Health Sciences, Karnataka

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. Monte Carlo method
15. Crashing a Network
16. Purposive sampling
17. Hypothesis formulation
18. Observation method of data collection
19. Zero sum games
20. Critical activities in CPM
21. Selection of a research problem
22. Standardized Normal variate
23. Bayes theorem
24. Conditional probability
25. Questionnaire method of data collection

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Rajiv Gandhi University of Health Sciences, Karnataka

III semester Bachelors in Hospital Administration Degree Examination – 02-Feb-2021

Time: Three Hours Max. Marks: 80 Marks

Medical Records Management

Q.P. CODE: 1311

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Discuss the importance & methods of filing system commonly used in filing the medical records in 200-bedded hospital.
2. Discuss the importance of statistics in better hospital administration. What is the role of medical records in it? Write a note on any 5 statistical formulas that are of importance in Hospital Administration.
3. Discuss the latest trends in better medical records maintenance

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Importance & methods of maintain Problem Oriented Medical Records?
5. Write a note on International classification of diseases.
6. Evaluation of medical care
7. Importance & guiding principles of record keeping
8. Importance of medical records to patients & Doctors
9. What are statutory registers? Write a note on the various such registers maintained in hospital.
10. What is Indexing? How are medical records indexed?
11. Principles of designing medical records
12. Write a note on Obstetrics & Pediatric records
13. What is Diagnosis Related Groups (DRG)? What are is the Principle & uses of it?

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. What is coding
15. Differentiate between record & document
16. Principles of documentation
17. Medical audit
18. Contents in anesthesia record & operation record form
19. Specimens
20. Uses of medical records
21. Out Patient visits & Occasions of service
22. Benefits of medical record management
23. Discharge summary form
24. Integrated medical records
25. Steps to be undertaken when there are multiple records for a single patient

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Rajiv Gandhi University of Health Sciences, Karnataka

III semester Bachelors in Hospital Administration Degree Examination – 08-Feb-2021

Time: Three Hours | Max. Marks: 80 Marks

Materials Planning and Management
Q.P. CODE: 1312

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Define Quality control. Explain the principles and methods of Quality Management.
2. Discuss the objectives and functions in Stores Management. Write a note on the principles of storage of and preservation of materials and equipments in hospital.
3. What is the essence of sound purchasing policy? Write a note on the procedure involved in the import of capital equipments.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Distribution management.
5. Write a note on Import procedure of Medical Equipments.
6. Methods to reduce stock outs in hospital.
7. Materials cycle.
8. Inventory control techniques.
9. Types of contracts.
10. Write a note on drug control act.
11. Management need of mortuary department.
12. Preservation of materials in hospital.
13. Procurement procedure.

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. Stock verification.
15. Principles of purchasing.
16. Letter of credit.
17. Functions of store management.
18. Indent.
19. Common foreign currencies.
20. Stores location in a hospital.
21. Buffer stock.
22. Inventory control.
23. Lead time.
24. Void Contract.
25. Equipment audit.

Rajiv Gandhi University of Health Sciences, Karnataka

II semester Bachelors in Hospital Administration Degree Examination – 26-Jul-2021

Time: Three Hours | Max. Marks: 80 Marks

Bio Statistics (Operations Research & Research Methodology)
Q.P. CODE: 1310

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Explain different methods of quantitative techniques of data collection with their merits and demerits.
2. Define Network analysis. Describe the steps in planning Network Analysis.
3. Explain the different styles of decision making.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Describe the layout of a Research report.
5. It is desired to conduct a survey to estimate the patient satisfaction in a hospital with an error of 3% in the estimate. It is assumed that the satisfaction would be about 85%. Calculate adequate sample size for the study at 95% precision of estimate.
6. Explain linear programming technique with an example.
7. Briefly describe Normal distribution and its applications.
8. Describe uses of Games theory.
9. Briefly explain various steps of planning any research study.
10. Explain Focus group discussions method of collection of data.
11. Describe the prerequisite information needed for decision analysis.
12. Differentiate Simple random sample and Stratified Random sample.
13. Describe any two experimental designs.

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. Adequate sample size in a survey.
15 Primary and Secondary data.
16. Hypothesis in research.
17. Zero sum games.
18. Purposive sampling.
19. Systematic random sampling.
20. Sample size for a research study.
21. Slack time in CPM.
22. Standardized Normal variant.
23. Conditional probability.
24. Binomial distribution.
25. Analytical decisions.

Rajiv Gandhi University of Health Sciences, Karnataka

III semester Bachelors in Hospital Administration Degree Examination–29-Jul-2021

Time: Three Hours | Max. Marks: 80 Marks

MEDICAL RECORDS MANAGEMENT
Q.P. CODE: 1311

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Define Medical Record. Explain the importance of medical record for Hospital Administrative Officer and Doctors
2. What is coding in Medical Record? Describe ICD coding
3. What is meant by Medical forms? Explain types and significance of medical forms and report with examples

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Describe types and importance of Medical register
5. Diagnostic Related Group (DRG)
6. Hospital statistics
7. What are the latest trends in record keeping?
8. Types of medical record
9. Medical Audit
10. Importance of medical record for Public Health Administration
11. Hospital statistics
12. Classification of records
13. Pharmacy audit

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. Name some statutory registers and reports to be maintained in Medical Record
15. Steps in Audit
16. Principles of record keeping
17. Common issues in medical registers
18. Types of medical record in causality emergency
19. Filing of Medical Record
20. Importance of medical record for press
21. How you will evaluate patient care using medical record?
22. Define Nursing audit
23. Basis for classification of medical record
24. Problem associated with medical record
25. Types and significance of medical form

Rajiv Gandhi University of Health Sciences, Karnataka

III semester Bachelors in Hospital Administration Degree Examination – 03-Aug-2021

Time: Three Hours | Max. Marks: 80 Marks

MATERIALS PLANNING AND MANAGEMENT
Q.P. CODE: 1312

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. What is stores documentation and explain the documents used for stores recording?
2. What is contract administration? Plan contract administration for dietary services for a 500-bed Multi Speciality Hospital
3. Define purchasing? Explain the principles and factors of material purchasing

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. What is the role and responsibilities of purchase officer
5. Write a note on Imports of equipments and medicines for hospitals
6. Relevance of material management of hospital
7. Explain the concept of letter of credit
8. Explain briefly purchasing procedure
9. Write a note on Sale of Goods Act
10. Stock verification
11. Management needs in blood bank
12. Write about Total Quality Management
13. Explain the essential conditions of a valid contract

SHORT ANSWERS (Answer any ten) 10 x 2 = 20 Marks

14. What is lead time?
15. Define VED analysis
16. Define procurement
17. What is material planning?
18. What is Quality Assurance in equipment maintenance?
19. What is buffer stock?
20. What is purchase cycle?
21. Mention inventory control techniques
22. What is economic order quantity?
23. List out the advantages of codification of stock
24. Write the principles of storage
25. What are the importance of Drug Control Act?

Rajiv Gandhi University of Health Sciences, Karnataka