Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination – May 2016

[Time: 3 Hours] [Max. Marks: 100]

HOSPITAL ADMINISTRATION

MATERIALS MANAGEMENT IN HEALTH CARE

(Revised Scheme)

Q.P. CODE : 8366

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Define Inventory. Explain the important terminologies used in inventory control. Explain ABC analysis for controlling the inventory.
2. Discuss the procedures involved in hospital equipment planning and selection.

SHORT ESSAY (Any Six Only) **6 X 10 = 60 Marks**

3. Receipt and Inspection of stores
4. Asset accounting
5. Condemnation and disposal
6. Quality control
7. Functions of purchase department
8. Stock verification
9. Value Analysis
10. Materials Planning

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Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - APRIL/MAY 2016

[Time: 3 Hours] [Max. Marks: 100]

HOSPITAL ADMINISTRATION

HEALTH ECONOMICS

(Revised Scheme)

Q.P. CODE : 8365

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

LONG ESSAY **2 X 20 = 40 Marks**

1. Write an essay on Elasticity of Demand.
2. Discuss in detail National Income.

SHORT ESSAY (Any Six Only) **6 X 10 = 60 Marks**

3. Economies of bulk purchase.
4. Cost benefit analysis
5. Law of equi-marginal utility
6. Monopolistic competition
7. Marginal productivity
8. Per capita income
9. Differences between micro and macro economics
10. Price discrimination

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Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - April/May 2016

[Time: 3 Hours] [Max. Marks: 100]

HOSPITAL ADMINISTRATION

FINANCIAL MANAGEMENT IN HEALTHCARE

(Revised Scheme)

Q.P. CODE : 8364

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

LONG ESSAY **2 X 20 = 40 Marks**

1. What do you mean by capital budgeting? Discuss in detail.
2. Define Financial Management. Discuss the main objectives and its application in a hospital.

SHORT ESSAY (Any Six Only) **6 X 10 = 60 Marks**

3. Define Cash Management. Discuss the problems associated with it.
4. Write a note on Risk Return Trade off.
5. How is time value of money ascertained?
6. What do you mean by Capital Structure?
7. What do you mean by Inventory Management? What are the uses of holding inventory?
8. Define Financial Re-Structuring.
9. Write a note on shares and debentures.
10. Define Internal Rate of Return. How is it ascertained?

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Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination – April / May 2016

[Time: 3 Hours] [Max. Marks: 100]

HOSPITAL ADMINISTRATION

EPIDEMIOLOGY, PUBLIC HEALTH ADMINISTRATION IN INDIA & MEDICAL ETHICS

(Revised Scheme)

Q.P. CODE : 8363

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

LONG ESSAY **2 X 20 = 40 Marks**

1. What is health education? How will it help in improving the health care situation in India?
2. Discuss the National Malarial Control Programme and AIDS control programme.

SHORT ESSAY (Any Six Only) **6 X 10 = 60 Marks**

3. Ninth Five Year Plan
4. Primary health care
5. Brief note on maternal and child health
6. Natural history of diseases
7. WHO
8. Modes of disease transmission
9. Cohort studies
10. Patient Rights

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Rajiv Gandhi University of Health Sciences

Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - OCTOBER 2016

[Time: 3 Hours] [Max. Marks: 100]

HOSPITAL ADMINISTRATION

Bio-Statistics and Quantitative Techniques

Q.P. CODE: 8716

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

LONG ESSAY 1 X 20 = 20 Marks

1. Mr. Kumar is appointed as a statistical controller in Alpha hospital, Bangalore. The hospital is in existence from the year 2000 i.e from 15 years of successful operation. They conducted a research in the hospital to check whether there is a relationship between the prices and the demand for their services. The research was done in five departments of the hospital and data was collected –

Departments	D1	D2	D3	D4	D5
Price	110	170	210	270	320
Demand	105	145	175	210	350

Find whether – prices and demand are correlated and also comment on the relationship of prices and demand.

SHORT ESSAY (Answer any Seven) 7 X 10 = 70 Marks

2. Describe the main areas of hospital administration where statistics are extensively used.
3. During a cold epidemic in a factory the chance of workers catching cold is 10%, what is the probability that out of 5 workers, 3 or more will catch cold.
4. Describe briefly the various methods of measuring variation in health statistics.
5. Discuss the chi-square test of goodness of fit of theoretical distribution to an observed frequency distribution. State the conditions for the validity of chi-square test.
6. “There are many different ways of selecting a sample” – describe the important sampling methods pointing out the characteristics of each method.
7. Distinguish between primary and secondary data. Give a brief account of various methods of collecting primary and secondary data with their merits and demerits.
8. What is binomial distribution? What are the applications of binomial distribution in statistical research?
9. “A picture speaks a thousand words”. Explain this statement with reference to statistics.

SHORT ANSWERS (Answer any Five) 05 X 02 = 10 Marks

10. Write a short note on multivariate correlation concept.
11. Define interval estimation and point estimation.
12. Write a note on t-test.
13. What is normal distribution?
14. Write a note on ordinal scale.
15. What is inferential statistics?

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Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - OCTOBER 2016

[Time: 3 Hours] [Max. Marks: 100]

HOSPITAL ADMINISTRATION

Financial Management in Health Care

Q.P. CODE: 8717

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

LONG ESSAY 1 X 20 = 20 Marks

1. A hospital is considering an investment proposal to purchase a machine costing Rs.2,50,000. The machine has a expected life of 5years and no salvage value. The company tax rate is 40%. The firm uses straight line method for providing depreciation. The estimated cash flows before tax and depreciation (CFBT) from the machine are as follows.

Year	CFBT (RS)
1	60,000
2	70,000
3	90,000
4	1,00,000
5	1,50,000

Calculate (i) Payback period, (ii) Average rate of return, (iii) Net present value at 10%, (iv) Profitability index at 10%.
PVF Table at 10% as follows

Year	1	2	3	4	5
PVF	0.909	0.826	0.751	0.683	0.621

SHORT ESSAY (Answer any Seven) 7 X 10 = 70 Marks

2. "Profit planning is a very important tool for managerial decision making". Comment.
3. Explain the various sources of funding available to set up a hospital.
4. Comment on the emerging role of finance managers in India.
5. Explain issue of shares, debentures and bonds.
6. "Basic problem in financing an enterprise is to maintain a sound capital structure" – examine this statement and suggest the factors you would keep in mind while planning a capital structure of a firm.
7. Explain cash management.
8. Explain leverage analysis.
9. Explain the concept of financial engineering in relevance to hospital financial management.

SHORT ANSWERS (Answer any Five) 05 X 02 = 10 Marks

10. Write short note on leasing technique.
11. Explain flexible budget.
12. Briefly explain time value of money.
13. Explain the concept of stock dividend.
14. Explain I.R.R.
15. What is ploughing back of profit?

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Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - OCTOBER 2016

[Time: 3 Hours] [Max. Marks: 100]

HOSPITAL ADMINISTRATION

Health Economics

Q.P. CODE: 8718

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

LONG ESSAY 1 X 20 = 20 Marks

1. Explain the law of supply with suitable diagram and name the factors deter using it.

SHORT ESSAY (Answer any Seven) 7 X 10 = 70 Marks

2. Explain the substitution effect under demand analysis.
3. What is production function?
4. Explain in the role of government in health sector.
5. Types of health insurance
6. Explain the methods of demand forecasting.
7. Explain the degrees of price discrimination.
8. Explain ‘point and arc method’ of measuring elasticity of demand.
9. Describe the relationship between MR, AR and TR.

SHORT ANSWERS (Answer any Five) 05 X 02 = 10 Marks

10. Define the term “compensation of employees”.
11. Define monopoly with two features.
12. Write about the four basic questions of economics.
13. Write on the law of “Equi-marginal utility”.
14. Mention any two joint venture firms in health insurance and market.
15. Describe the principles of health insurance.

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Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - OCTOBER 2016

[Time: 3 Hours] [Max. Marks: 100]

HOSPITAL ADMINISTRATION

Material Management in Health Care

Q.P. CODE: 8719

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

LONG ESSAY 1 X 20 = 20 Marks

1. Describe the process and steps in the purchase of capital equipment. Add a note on the importance of equipment maintenance management.

SHORT ESSAY (Answer any Seven) 7 X 10 = 70 Marks

2. Is economic order quantity (EOQ) a realistic model for purchase order quality planning? Justify your answer.
3. Define purchase. What are the objectives and elements of purchasing? Describe the purchasing system in the hospital.
4. Explain the concepts of “Logistics” and “Marketing Audit”.
5. Explain the MBASIC (Multi basic approach) to materials management.
6. Write in detail on the components of supply chain management.
7. Write a note on asset accounting.
8. Briefly explain the standardization and simplification of hospital materials.
9. Briefly write on “Recent trends in hospital stores management”.

SHORT ANSWERS (Answer any Five) 05 X 02 = 10 Marks

10. Types of tenders
11. Value analysis
12. Total supply cart exchange system
13. Primary objectives of materials management
14. Equipment utilization index
15. Types of inventories in hospital

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Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - October 2016

[Time: 3 Hours] [Max. Marks: 100]

HOSPITAL ADMINISTRATION

Human Capital Management and Industrial Relations

Q.P. CODE: 8720

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

LONG ESSAY 1 X 20 = 20 Marks

1. Training is one of the important functions of human resource department in an organization. Explain the different methods of training and its benefits to the organization.

SHORT ESSAY (Answer any Seven) 7 X 10 = 70 Marks

2. Briefly explain the recruitment procedures.
3. What is job designing? Which are the different techniques of job design?
4. Explain what is job description and its importance in recruitment. Write note on job specification.
5. Discuss the importance of performance appraisal. Write a note on any two past and future oriented appraisal methods.
6. Which are the different types of accidents in a hospital? Explain the measures to be employed for preventing such accidents.
7. What is collective bargaining? Explain the process of collective bargaining.
8. Which are the factors contributing to the rise of trade unionism in India?
9. What are the functions of human resource department in an organization?

SHORT ANSWERS (Answer any Five) 05 X 02 = 10 Marks

10. Sources of recruitment
11. What is job stress and the types of job stress?
12. Errors in appraisal process
13. Different types of interviews
14. Types of transfers
15. Job evaluation

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