Rajiv Gandhi University of Health Sciences, Karnataka

II Semester M.H.A Degree Examination - 17-May-2023

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

HOSPITAL ADMINISTRATION – (RS-4)
Bio-Statistics and Quantitative Techniques
Q.P. CODE: 8716

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

Answer All The Questions 10 X 10 = 100 Marks

1. Define data and various types and methods of data used in research.

2. The Height (x cms) and Weight (y kgs) of 6 students are as follows. Obtain the two regression equations. Also find the expected height of a person whose weight is 60kgs.

X	153	157	168	160	170	163
Y	48	50	50	49	54	53

3. Write a note on central tendency and its measures.

4. Define statistical inference. Explain parametric and non parametric test.

5. Define sampling? Discuss methods of sampling and mention its merits and demerits.

6. In an office there are 84 employees. Their salaries are as given below

Salary (Rs)	2430	2590	2870	3390	4720	5160
Employees	4	28	31	16	3	2

a) Find the mean salary of the employees
b) What is the total salary of the employees?

7. Discuss correlation analysis and its application with an example.

8. Define a Graph and a Diagram? Mention with example the types.

9. Write a note on probability and probability distribution and their applications in hospital administration.

10. Find the quartile deviation and the coefficient of quartile deviation for the following distribution of marks scored by students.

Marks	0-19	20-39	40-49	50-59	60-69	70-79	80-89
Students	15	31	19	15	8	7	7

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Rajiv Gandhi University of Health Sciences, Karnataka

II Semester M.H.A Degree Examination - 19-May-2023

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

HOSPITAL ADMINISTRATION

Financial Management in Health Care (RS4)

Q.P. CODE: 8717

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

Answer All The Questions 10 X 10 = 100 Marks

1. A Company is considering a capital investment proposal where two alternatives are being considered. Both investments would have a life of 5 years. In option 1-New machinery would cost Rs. 278000 and in option 2- Rs. 805000. Anticipated scrap values after 5 years are Rs. 28000 and Rs. 150000 respectively. Depreciation is provided on a Straight Line basis. Option 1 would generate annual cash flow of Rs. 100000 and option 2 Rs. 250000. The cost capital is 10%. Calculate for each option.
   a) The pay-back period
   b) The accounting rate of return based on average investment

   Present Value Factor at 10% are as follows

Year	1	2	3	4	5
PVF @ 10%	0.909	0.826	0.751	0.683	0.621

2. Sources of short term funds
3. Write a note on working capital management.
4. Financial information system
5. Write a note on venture capital.
6. Explain lease and hire purchase.
7. Write a note on kinds of budgets.
8. What is dividend and Dividend policy
9. Investors selection
10. Write note on pay-back period and time value of money. What is meant by flexible budget?

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II Semester M.H.A Degree Examination - 22-May-2023

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

HOSPITAL ADMINISTRATION

Health Economics (RS4)

Q.P. CODE: 8718

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

Answer All The Questions 10 X 10 = 100 Marks

1. Define business cycles. Explain the different phases of business cycles with help of diagram.
2. Explain the various types of decisions.
3. Write a note on National income.
4. Explain the different types of markets.
5. Write the sources of monopoly.
6. Write a note on health insurance and role of Insurance Regulatory Development Authority (IRDA) of India.
7. Differentiate Micro and Macroeconomics.
8. Explain the degree of price elasticity of demand.
9. What is cost benefit analysis?
10. Explain the economies of bulk purchase.

Rajiv Gandhi University of Health Sciences, Karnataka

II Semester M.H.A Degree Examination - 26-May-2023

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

HOSPITAL ADMINISTRATION (RS-4)

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

Answer All The Questions 10 X 10 = 100 Marks

1. What are the causes for accidents in hospital? What are the measures to be employed to ensure employee safety?
2. Discuss collective bargaining
3. Discuss principles of fringe benefits, insurance, medical retirement benefits
4. Explain the concept of training
5. Discuss the purpose and importance of recruitment and selection
6. Explain organization of human resources
7. Explain the objectives of training programme for employees in an organization?
8. Explain the concept of orientation programme, problems in orientation, need of orientation and socialization
9. Explain the barriers in recruitment and selection
10. Explain the structure and process of industrial relation

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Rajiv Gandhi University of Health Sciences, Karnataka

II Semester M.H.A Degree Examination – 17-May-2023

Time: Three Hours Max. Marks: 100 Marks

HOSPITAL ADMINISTRATION

Accounting and Financial Management in Health Care

PAPER-I (RS-5)

Q.P. CODE: 8734

Your answers should be specific to the questions asked

Draw neat, labeled diagrams wherever necessary

Answer All The Questions 10 x 10 = 100 Marks

1. Star limited as the following information

Fixed expenses	Rs.200000
Variable cost per unit	Rs. 10
Selling price per unit	Rs.15

Calculate

a) Contribution
b) p/v ratio
c) BEP in units and in rupees

2. Explain time value of money.
3. Explain factors influencing capital structure.
4. Explain cash management.
5. Describe ABC costing.
6. Write a note on Inventory management and different kinds of stock levels.
7. Explain profit maximization and wealth maximization.
8. Write a note on short term and long-term finance.
9. What is budget? Explain types of budget.
10. What is working capital? Explain factors.

II Semester M.H.A Degree Examination – 19-May-2023

Time: Three Hours Max. Marks: 100 Marks

HOSPITAL ADMINISTRATION

Health Care Economics and Health Insurance

PAPER-II (RS-5)

Q.P. CODE: 8735

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

Answer All The Questions 10 x 10 = 100 Marks

1. Explain the concept of demand curve and demand schedule.
2. Explain the law of diminishing marginal utility.
3. Explain different types of market structure.
4. Write a note on health as investment and expense.
5. Explain the role of government in heath care sector.
6. Explain briefly types and principles of health insurance
7. Explain the role of importance of third party administrator.
8. Explain law of supply with suitable diagram and factors affecting supply.
9. Explain the law of equi – Marginal utility.
10. Explain the concept of price discrimination under monopoly.

Rajiv Gandhi University of Health Sciences, Karnataka

II Semester M.H.A Degree Examination – 22-May-2023

Time: Three Hours | Max. Marks: 100 Marks

HOSPITAL ADMINISTRATION

Hospital Planning and Project Management

PAPER-III (RS5)

Q.P. CODE: 8736

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

Answer All The Questions | 10 x 10 = 100 Marks

1. Classification of hospitals in India. What are the responsibilities of a hospital administrator?
2. Write a note on choosing a site for a hospital and designing the circulation pattern.
3. Planning and designing of a Inpatient department.
4. Project management in a hospital.
5. What are the legal and space requirements for a blood transfusion service?
6. Briefly describe the green hospital strategies.
7. Write a note on disaster plan formulation and its implementation.
8. What are the standards for air conditioning system and environmental control for various areas in the hospital?
9. Planning nephrology services and setting up of a dialysis centre.
10. Plan a central sterile supply department for a multi-specialty hospital.

II Semester M.H.A Degree Examination - 19-May-2023

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

HOSPITAL ADMINISTRATION

Financial Management in Health Care (RS4)

Q.P. CODE: 8717

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

Answer All The Questions | 10 X 10 = 100 Marks

1. A Company is considering a capital investment proposal where two alternatives are being considered. Both investments would have a life of 5 years. In option 1-New machinery would cost Rs. 278000 and in option 2- Rs. 805000. Anticipated scrap values after 5 years are Rs. 28000 and Rs. 150000 respectively. Depreciation is provided on a Straight Line basis. Option 1 would generate annual cash flow of Rs. 100000 and option 2 Rs. 250000. The cost capital is 10%. Calculate for each option.
   c) The pay-back period
   d) The accounting rate of return based on average investment

   Present Value Factor at 10% are as follows

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2. Sources of short term funds
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5. Write a note on venture capital.
6. Explain lease and hire purchase.
7. Write a note on kinds of budgets.
8. What is dividend and Dividend policy
9. Investors selection
10. Write note on pay-back period and time value of money. What is meant by flexible budget?

Rajiv Gandhi University of Health Sciences, Karnataka

II Semester M.H.A Degree Examination - 22-May-2023

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

HOSPITAL ADMINISTRATION

Health Economics (RS4)

Q.P. CODE: 8718

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

Answer All The Questions 10 X 10 = 100 Marks

1. Define business cycles. Explain the different phases of business cycles with help of diagram.
2. Explain the various types of decisions.
3. Write a note on National income.
4. Explain the different types of markets.
5. Write the sources of monopoly.
6. Write a note on health insurance and role of Insurance Regulatory Development Authority (IRDA) of India.
7. Differentiate Micro and Macroeconomics.
8. Explain the degree of price elasticity of demand.
9. What is cost benefit analysis?
10. Explain the economies of bulk purchase.

II Semester M.H.A Degree Examination – 22-May-2023

Time: Three Hours Max. Marks: 100 Marks

HOSPITAL ADMINISTRATION

Hospital Planning and Project Management

PAPER-III (RS5)

Q.P. CODE: 8736

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

Answer All The Questions 10 x 10 = 100 Marks

1. Classification of hospitals in India. What are the responsibilities of a hospital administrator?
2. Write a note on choosing a site for a hospital and designing the circulation pattern.
3. Planning and designing of a Inpatient department.
4. Project management in a hospital.
5. What are the legal and space requirements for a blood transfusion service?
6. Briefly describe the green hospital strategies.
7. Write a note on disaster plan formulation and its implementation.
8. What are the standards for air conditioning system and environmental control for various areas in the hospital?
9. Planning nephrology services and setting up of a dialysis centre.
10. Plan a central sterile supply department for a multi-specialty hospital.

Rajiv Gandhi University of Health Sciences, Karnataka

II Semester M.H.A Degree Examination – 24-May-2023

Time: Three Hours | Max. Marks: 100 Marks

HOSPITAL ADMINISTRATION

Management of Clinical Services – PAPER-IV (RS-5)

Q.P. CODE: 8737

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

Answer All The Questions | 10 x 10 = 100 Marks

1. Measures adopted in hospitals to prevent nosocomial infections among staff.
2. Explain working, functions and importance of Anaesthesia Machine.
3. Write a note on patient classification system.
4. Discuss how to determine nursing compliment in hospitals.
5. What are different statistics used in hospitals to find out its efficiency.
6. Explain the services of psychiatry department.
7. Write a note on operation theatres.
8. Enumerate the services of accident and emergency unit.
9. Importance and functions of cardio thoracic unit in hospitals.
10. Write a note on different types of Diathermy equipment.

II Semester M.H.A Degree Examination - 26-May-2023

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

HOSPITAL ADMINISTRATION (RS-4)

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

Answer All The Questions | 10 X 10 = 100 Marks

1. What are the causes for accidents in hospital? What are the measures to be employed to ensure employee safety?
2. Discuss collective bargaining
3. Discuss principles of fringe benefits, insurance, medical retirement benefits
4. Explain the concept of training
5. Discuss the purpose and importance of recruitment and selection
6. Explain organization of human resources
7. Explain the objectives of training programme for employees in an organization?
8. Explain the concept of orientation programme, problems in orientation, need of orientation and socialization
9. Explain the barriers in recruitment and selection
10. Explain the structure and process of industrial relation

Rajiv Gandhi University of Health Sciences, Karnataka

II Semester M.H.A Degree Examination – 23-Nov-2023

Time: Three Hours Max. Marks: 100 Marks

HOSPITAL ADMINISTRATION

Accounting and Financial Management in Health Care - PAPER-I (RS-5)

Q.P. CODE: 8734

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

Answer All The Questions 10 x 10 = 100 Marks

1. From the following trial balance of Mr .Balachandra as on 31st march 2020, prepare final accounts

Debit	Amt in Rs.	Credit	Amt in Rs.
Stock (1-4-2019)	1,500	Sales	78,000
Purchases'	25,000	Capital	20,000
Debtors	6,000	Returns outwards	1,000
Drawings	5,000	Bills payable	4,000
Returns inwards	800	Creditors	6,600
Machinery	15,000	Provision for bad debts	1,400
Bills receivable	2,500		
Land & building	30,000		
Salaries and wages	12,000		
Trade expenses	7,000		
Rent	1,200		
Stationery	700		
Bad debts	300		
Furniture	3,500		
Cash balance	500		
	1,11,000		1,11,000

Adjustments:

A. Closing stock as on 31st March 2020 is Rs.1,200
B. Accrued expenses: Wages- Rs.400, Rent- Rs.50
C. Provision for bad and doubtful debts at 15% on debtors
D. Depreciate machinery at 10% and land and buildings at 8%

2. Explain depreciation accounting.

3. Explain classification of cost.

4. Explain different system of pricing on hospital services.

5. Briefly explain tools for financial statement analysis.

6. Explain factors influencing working capital management.

7. Explain short term sources of finance.

8. Explain leverage analysis.

9. Explain NPV and IRR.

10. Explain tools and techniques of inventory management and control in hospitals.

Rajiv Gandhi University of Health Sciences, Karnataka

II Semester M.H.A Degree Examination – 02-Dec-2023

Time: Three Hours | Max. Marks: 100 Marks

HOSPITAL ADMINISTRATION

Hospital Planning and Project Management

PAPER-III (RS5)

Q.P. CODE: 8736

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

Answer All The Questions | 10 x 10 = 100 Marks

1. Write a note on architect brief.
2. Factors affecting utilization of the hospital services.
3. Planning and designing of oxygen manifold for 1000 bedded hospital.
4. Physical facilities and designing consideration for emergency department.
5. Write an essay on the principles of Green hospitals.
6. Designing and planning of modular operate on theatre.
7. Write a note on general guidelines for blood transfusion services.
8. Explain the general standards for designing hospital engineering services.
9. Elaborate the planning cycle.
10. Consideration of planning of nursing units.

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