Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - APRIL 2017

[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. Define health statistics. Explain the uses and importance of health statistics for hospital administrator. Also highlight the difference between health statistics and statistics.

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

2. Calculate the co-efficient of correlation for the following data by the method of rank correlation

x	180	178	175	175	168	167	160	159
y	112	113	114	114	114	116	115	117

3. Discuss about normal distribution giving its properties, importance and limitation.
4. Describe the various methods of sampling and the requisites of a good sample.
5. Out of 1000 workers in a factory exposed to an epidemic, 700 in all were attacked, 400 had been inoculated and of these 200 were attacked. On the basis of this information, can it be said that inoculation and attack are independent. Using chi square test to prove the above.
6. What is a questionnaire? Explain the essentials of a good statistical questionnaire.
7. From the following data find out correlation co-efficient between income and expenditure –

Income	100	102	105	105	108	112	118	120	125	130
Expenditure	90	91	92	93	95	92	94	100	106	108

8. Out of 8000 persons of a town during the year 2000, 55% were males and comparative figure for year 2001 was 54%. Out of total persons in the year 2000, 4000 were smokers of which 3100 were male. The comparative figures for 2001 were 5000 and 4000 respectively. In all there was 9000 person in the year 2001. Present this given data in form of a suitable table.
9. Explain the concept of scales of measurement and also explain few commonly used scales in statistical research.

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

10. Define event and mutually exclusive events.
11. Briefly write a note on quantitative classification of data.
12. Write short note on Z test.
13. Explain the uses of arithmetic mean in hospital administration.
14. Write a short note on Wilcoxon test.
15. Write a note of positive and negative correlation.

* * * *
*

Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - APRIL 2017

[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. Explain the concept of financial management and also explain in detail its relevance in hospital administration.

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

2. Explain the concept of financial planning.
3. Debenture is a important source of long term funds. Explain.
4. What is leasing?
5. What is IRR technique? Explain the relevance in investment decision.
6. Explain credit policy.
7. Explain time value of money.
8. What is Essential features a budget administration?
9. Explain long term sources of finance.

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

10. What is net present value?
11. What is flexible budgeting?
12. What is a bond?
13. Explain financial engineering.
14. What do you understand by plouging back of profit?
15. What is E.P.S?

* * * * *

Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - APRIL 2017

[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. What is demand? Explain the law of demand with the help of diagram and what are the determinants of demand?

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

2. Differentiate between micro and macro economics
3. Write a note on Circular Flow of Income.
4. What is Health and explain its determinants.
5. What is market? Explain briefly different types of market structure with the help of diagram.
6. Write a note on indifference curve.
7. Explain the law of supply. Illustrate with the help of example.
8. What is national income? How do measure national income and its difficulties?
9. Law of Equi-Marginal Utility

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

10. Mention any two differences between Health Economics and Welfare Economics.
11. What is Elasticity of demand?
12. List out the different types of Insurance.
13. What is cost benefit analysis?
14. What is principle of substitution?
15. List out the four factors of Production and Distribution.

* * * * *

Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - APRIL 2017

[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. Discuss the need for inventory control techniques in an organization and explain about ABC and VED analysis in hospital inventories.

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

2. Explain hospital supply chain management.
3. Role of computers in stores management
4. Letter of credit
5. Describe in detail about logistics management.
6. Explain about vendor analysis and its importance in procurement.
7. Explain about quality control in inventory management.
8. Describe about perpetual inventory system.
9. Asset accounting

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

10. EOQ
11. Importance of materials management
12. Ware housing
13. Codification
14. Purchase order
15. Expandable materials

* * * * *

Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination - April 2017

[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. Write a note on performance appraisal. Explain various methods and errors involved in performance appraisal. Discuss the relevance of performance appraisal to employee's compensation.

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

2. Grievance settlement process
3. Training a healthcare organization
4. Fringe benefits
5. Managerial effectiveness
6. Participative management
7. Job analysis
8. Write a note on recruitment.
9. Accidents in hospital and how these accidents can be prevented for employees safety?

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

10. Types of policies
11. Difference between job evaluation and job analysis
12. Separations
13. Competency mapping
14. Incentives
15. Orientation

* * * * *