Rajiv Gandhi University of Health Sciences

II Semester M.H.A Degree Examination – APRIL 2018

[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. "Primary health care forms the basis of health care". Justify the statement in Indian context.
2. Write a note on epidemiological methods with special reference to experimental studies.

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

3. Hazards of immunization
4. Patient's rights and responsibilities
5. Stages of clinical trials
6. Demographic cycle
7. National cancer control programme
8. Importance of five year plan in the development of Indian health care
9. Bhore committee
10. International classification of diseases

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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. Write a note on stores documentation. Discuss in detail about the procedure involved in condemnation and disposal.
2. What is Equipment audit? Explain in detail about the hospital Equipment Repair and Maintenance.

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

3. Advantages of Letter of Credit
4. standardization
5. Material cycle
6. Retirement of import documents
7. Recent trends in hospital stores management
8. Perpetual Inventory Accounting
9. Asset accounting
10. EOQ

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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 statistical inference. Explain the steps in the testing the hypothesis procedure with an example.

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

2. Define sampling. Discuss the stratified random sampling method with an example. Mention its merits and its demerits.
3. What is descriptive statistics? Following data represent the duration of hospital stay of patients admitted in the tertiary care hospital. Calculate the mean and S.D. of duration of hospital stay.

Patient No.	1	2	3	4	5	6	7	8	9	10	11	12
Duration of Hospital stay (in Days)	4	3	32	6	16	9	5	4	3	2	18	90

4. Briefly explain different parametric and non-parametric tests of significance used for comparing estimates from samples.
5. Define correlation and regression analysis. Describe the assumption for simple linear regression analysis.
6. 85 patients were treated with a drug, of which 34 patients were cured. Another comparable group of 70 patients were given a placebo of which 21 patients were cured. Was the drug effective? At 5% level of significance. (Note: Test statistics value at P=0.05 is 2.0)
7. Describe in detail about Chi-square test of significance for testing association between an exposure and a risk factor.
8. Discuss the different methods of data collection in quantitative research.
9. Explain the application of ANOVA test and hoc test in comparison with an example and mention its assumption.

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

10. Assumption of parametric test
11. Scales of measurements
12. Normal distribution and its properties
13. Spearman's rank correlation co-efficient
14. Randomization
15. Application of coefficient of variation

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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. Sparsha hospital is considering to purchase a machine. It has two machines beforehand. Calculate Pay Back period, NPV and PI and suggest which machine is profitable. 10% cost of capital from the details given below:

Particulars	Machine A	Machine B
Estimated life	5 years	5 years
Original cost	1,00,000	1,00,000
Cash inflows		
Year 1	10,000	10,000
Year 2	30,000	25,000
Year 3	40,000	30,000
Year 4	25,000	30,000
Year 5	20,000	25,000

PVF at 10% for Re.1 as follows

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

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

2. Explain financial decisions in hospital.
3. Briefly explain financial environment.
4. Explain Risk-Return trade off.
5. Explain leverage analysis.
6. Explain inventory management.
7. Explain issue of shares, debentures and bonds.
8. Explain emerging trends in health care finance.
9. Explain factors influencing dividend policy.

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

10. What is meant by time value of money?
11. What is meant by optimum capital structure?
12. What is management of earnings?
13. How to calculate E.P.S?
14. What is meant by net working capital?
15. What is leasing?

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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. Discuss Monopolistic competition.
4. Justify expenditure on health as investment.
5. Types of health insurance
6. Marginal productivity.
7. Explain the degrees of price discrimination.
8. Enumerate the role of time element in value determination.
9. Describe the difficulties the measurement of National Income.

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

10. Define welfare economics.
11. Define oligopoly.
12. What is private health insurance?
13. Discuss the law of “Equi-marginal utility”.
14. Mention any two joint venture firms in health insurance and market.
15. Cost Benefit Analysis

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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. Explain about integrated logistics management concept and discuss about Corporate Profit Performance.

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

2. Role of computer in stores management
3. Describe about internal and external lead time.
4. Discuss the importance of standardization and codification.
5. Challenges in purchasing capital equipment
6. Explain the financial impact of logistics discussions.
7. Explain the importance of material planning in tertiary care hospital.
8. Explain about different types tendering system and their importance.
9. Discuss in detail about classification of ABC analysis.

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

10. Quality control
11. Asset accounting
12. Procurement committee
13. Scope of material management
14. SCM
15. Just in time

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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. Explain grievance settlement and its nature and process. Explain the role of an administrator, in grievance settlement, in a hospital.

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

2. Competency mapping and explain its relevance in performance appraisal.
3. Explain importance and types of welfare activities.
4. Participative management
5. Qualities and competency of HRD managers
6. Brain storming
7. Write a note on training. Explain significance of training evaluation.
8. Seperation and different types of separations
9. Employee safety in a hospital

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

10. Job evaluation
11. Promotions
12. Interviews
13. Define job description.
14. Remuneration
15. Types of policies

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