

Q.P.Code: 0380

Reg.No.....

First Year MHA Degree Examinations
Model Question Paper

Paper - I GENERAL MANAGEMENT

Time: 3 hrs

Max marks: 100

- *Answer all questions*

Essays :

(2X20=40)

1. Describe the functions of different levels of management and show how they are integrated through control techniques.
2. What do you understand by morale. How is morale significant for productivity

Short Essays :

(2X10=20)

3. Which are the characteristics of objectives
4. Explain the principles and techniques of wage fixation.

Short Notes :

(8X5=40)

5. Distinguish between training and development
6. Distinguish between management and administration
7. Delegation
8. Policies
9. Distinguish between wages and salary
10. Grievances
11. Employee participation in management
12. Importance of performance appraisal

Q.P.Code: 1380

Reg.No.....

**First Year MHA Degree Examinations
Model Question Paper**

Paper – II HOSPITAL ADMINISTRATION - I

Time: 3 hrs

Max marks: 100

- *Answer all questions*

Essays :

(2X20=40)

1. Explain the concept of Primary Health Care and the role of hospitals in PHC.
2. Describe the techniques to evaluate the hospital services utilization.

Short Essays :

(2X10=20)

3. Elaborate on the qualities required for the administrator based on his major roles
4. Explain in detail about the planning and organization of the CSSD in an 800 bedded hospital.

Short Notes :

(8X5=40)

5. Planning of intensive care units in a super specialty hospital
6. Explain about the radiological safety measures in hospitals
7. Definition and dimensions of health
8. Planning of Medical Records Departments
9. Guiding principles of hospital planning. Explain
10. Public relation in hospitals
11. Nursing service organization
12. Ethical committee

First Year MHA Degree Examinations
Model Question Paper

Paper III RESEARCH METHODOLOGY & BIOSTATISTICS

Time: 3 hrs

Max marks: 100

- *Answer all questions*
- *Write Section A and Section B in separate answer books. Do not mix up questions from section A and section B*

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SECTION A- RESEARCH METHODOLOGY

Time : 1½ hrs

Max Marks: 50

Essay :

(1X20=20)

1. Discuss the nature of research problem and indicate how an ideal problem is formulated for Research.

Short Essay :

(1X10=10)

2. Develop a questionnaire to measure the leadership skills of in charge of a hospital using appropriate scaling method

Short Answers :

(4X5=20)

3. Sampling
4. Classification of data
5. Tabulation
6. Observation

Q.P.Code: 3380

SECTION B – BIOSTATISTICS

Time : 1½ hrs

Max Marks: 50

Essay :

(1X20=20)

1. The following data shows the marks of 10 students of Economics and **statistics**

Marks in Economics	25	28	35	32	31	36	29	38	38	38	32
Marks in Statistics	43	46	49	41	36	32	31	30	30	33	39

From the above data find the following • Two regression equations • The most likely marks in statistics when marks in economics are 30

Short Essay :

(1X20=20)

2. A stenographer claims that she can take dictations at the rate of more than 120 words per minute of the 12 tests given to her she could perform an average of 135 words with a standard deviation of 40, is her claim valid ($\alpha = .01$)

Short Notes :

(4X5=20)

3. Explain the functions of statistics.
4. What do you understand by paired test.
5. Explain pictogram
6. Calculate the co-efficient of concurrent deviation from the following data:-

X	20	25	30	15	28	32	35	17	29
Y	30	18	25	10	30	25	15	30	27

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Model Question Paper

Paper – IV MEDICAL RECORDS & MEDICAL EQUIPMENT

Time: 3 hrs

Max marks: 100

- *Answer all questions*
- *Write Section A and Section B in separate answer books. Do not mix up questions from section A and section B*

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SECTION A- MEDICAL RECORDS

Time : 1½ hrs

Max Marks: 50

Essay :

(20)

1. Define Medical Records and explain the values and uses of Medical Records.

Short Essay :

(10)

2. Explain the functions of a Medical Record Department

Short Notes :

(4x5=20)

3. POMR
4. Indexes
5. Mental Health Records
6. Write the meaning of the following medical terms:- Anorexia, Nocturia, Cytoplasty, Bronchoscopy, Lithotripsy

Q.P.Code: 5380

SECTION B – MEDICAL EQUIPMENT

Time : 1½ hrs

Max Marks: 50

Essay :

(20)

1. Explain the need of Biomedical Engineering department in a multispecialty hospital. Explain the various types of maintenance.

Short Essay :

(10)

2. Discuss the various procedures for radiation safety.

Short Notes :

(4x5=20)

3. Heart lung machine
4. Lithotripsy
5. Short wave Diathermy
6. Laser in Ophthalmology

First Year MHA Degree Examinations
Model Question Paper

Paper – V ORGANISATIONAL BEHAVIOUR & MANAGERIAL COMMUNICATION

Time: 3 hrs

Max marks: 100

- *Answer all questions*
- *Write Section A and Section B in separate answer books. Do not mix up questions from section A and section B*

Q.P.Code: 6380

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SECTION A- ORGANISATIONAL BEHAVIOUR

Time : 1½ hrs

Max Marks: 50

Essay :

(20)

1. Explain the significance of organizational behaviour in hospital administration. How can you apply the organizational principles in organizational change and organizational development.

Short Essay :

(10)

2. What behavioral predictions can you make if you knew that employee had: An external locus of control, A low MACH score, Low self esteem, Type A personality

Short Notes :

(4x5=20)

3. Promotion of Job satisfaction
4. Factors influencing leadership roles
5. Explain conflict management
6. Explain the techniques of stress management.

Q.P.Code: 7380

SECTION B – MANAGERIAL COMMUNICATION

Time : 1½ hrs

Max Marks: 50

Essay :

(20)

1. How the group communication methods are applicable in hospital administration practices.

Short Essay :

(10)

2. Prepare a practical procedure for the conduct of a directors board meeting with examples.

Essay Notes:

(4x5=20)

3. Business correspondence
4. Communication barriers in hospital administration
5. Electronic media and communication
6. Perception and attitudes

Q.P.Code: 8380

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**First Year MHA Degree Examinations
Model Question Paper**

Paper - VI OPERATIONS RESEARCH

Time: 3 hrs

Max marks: 100

- *Answer all questions*

Essays :

(2X20=40)

1. The following information is known about a group of items. Classify the material in A,B,C Classification

Model Number	Annual consumption in pieces	Unit price (In paise)
501	30,000	10
502	2,80,000	15
503	3,000	10
504	1,10,000	5
505	4,000	5
506	2,20,000	10
507	15,000	5
508	80,000	5
509	60,000	15
510	8,000	10

2. The data on the operating costs per year and resale prices of equipment ' A' whose purchase price is Rs.10,000/- are given below:-

Year	1	2	3	4	5	6	7
Operating Cost	1500	1900	2300	2900	3600	4500	5500
Resale Value	5000	2500	1250	600	400	400	400

- What is the optimum period of replacement.
- When equipment A is 2 years old , equipment B, which is a new model for the same usage is available. The optimum period for replacement is 4 years with an average cost of Rs.3,600/- should we change equipment A with B. If so, when

Short Essays :

(2X10=20)

3. Solve the following assignment problem :-

		Persons			
		1	2	3	4
Tasks	A	10	12	19	11
	B	5	10	7	8
	C	12	14	13	11
	D	8	15	11	9

4. We have five jobs each of which must go through machines. A,B and C in the order ABC. Processing time are given in the following table

Processing Time	Jobs				
	1	2	3	4	5
Machine A	8	10	6	7	11
Machine B	5	6	2	3	4
Machine C	4	9	8	6	5

Find the sequence of jobs that minimizes the total elapsed time to complete the jobs. Also find the idle time of machine A, B, and C

Short Notes :

(8X5=40)

5. Solve the following game:.

		Player B			
		B1	B2	B3	B4
Player A	A1	1	7	3	4
	A2	5	6	4	5
	A3	7	2	0	3

6. Customer arrives at a booking office being manned by a single individual at the rate of 25 per hour. Time required to serve a customer has exponential distribution with a mean of 120 seconds. Find the average waiting time of customers
7. State a transportation problem. Describe the transportation table
8. Explain group replacement policy
9. Distinguish between PERT & CPM
10. Explain the essential features of a queuing system
11. What do you mean by Linear Programming problem and give any two applications of LPP in the field of health .
12. Explain Monte – Carlo simulation

First Year MHA Degree Examinations
Model Question Paper

Paper – VII BASIC MEDICAL SCIENCES & EPIDEMIOLOGY

Time: 3 hrs

Max marks: 100

- *Answer all questions*
- *Write Section A and Section B in separate answer books. Do not mix up questions from section A and section B*

Q.P.Code: 9380

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**SECTION A- BASIC MEDICAL SCIENCES
(Applied Anatomy, Physiology & Microbiology)**

Time : 1½ hrs

Max Marks: 50

Essay :

(20)

1. Describe the different modes of transmission of bacterial infection.

Short Essay :

(10)

2. Name the parts of digestive system and the glands associated with it. Describe the external features, relations, blood supply and applied anatomy of stomach.

Short Notes :

(4x5=20)

3. Cranial nerves
4. Cerebellum
5. Blood pressure
6. Pasteurization of milk

Q.P.Code: 0080

SECTION B – EPIDEMIOLOGY

Time : 1½ hrs

Max Marks: 50

Essay :

(20)

1. Explain the difference between the case control study and prospective study

Short Essay:

(10 marks)

2. Explain about the basic measures in epidemiology

Short notes:

(4x5=20 marks)

3. Explain about the modes of intervention
4. Life cycle of malarial parasite
5. Explain about the different levels of prevention
6. Explain the epidemiology of any two of the life style diseases.
