

MANIPAL ACADEMY OF HIGHER EDUCATION

MD (HOSPITAL ADMINISTRATION) DEGREE EXAMINATION – OCTOBER 2022

PAPER I

Monday, October 03, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essays:

1. Discuss 10 measures of cost-containment in Stores management of a hospital. (15 marks)

2. Discuss on various Sources of Financing for a 200-bed hospital. (15 marks)

3. Short Essays:

3A. What is communication? What are the elements of communication? (7 marks)

3B. Discuss on types and process of managerial decision making. (7 marks)

3C. A work project consists of 12 activities labelled A through L. Upon being asked to specify the order in which the jobs had to be done, the manager answered as follows:

A, B and C are first activities of the project and can start simultaneously and immediately; A and B precede D which B precedes E, F and H. Activities F and C precede G while E and H precede I and J. C, D, F and J precede K which, in turn, preceded L. Further, I, G and L are the terminal activities of the project. The completion times of the various activities are listed as follows:

Activity	A	B	C	D	E	F	G	H	I	J	K	L
Time (Days)	6	4	10	1	1	3	14	6	9	2	7	5

i) Draw a network diagram corresponding to this project.

ii) Obtain the lengths of all the paths and determine critical path.

($3\frac{1}{2}+3\frac{1}{2} = 7$ marks)

3D. What are some of the needed leadership skills for leaders to be effective? (7 marks)

3E. What is Social Marketing? Explain with examples adopted to Healthcare field. (7 marks)

- 3F. What are Contributions of Quality management thoughts to Managing an organisation?
(7 marks)
- 3G. What is a group? Discuss the different types of groups with examples. Discuss social identity theory in detail.
(7 marks)
- 3H. What is elasticity of demand & Elasticity of supply? How do they affect business of hospitals discuss few examples?
(7 marks)
- 3I. Patients arrive at OPD new registration counter at a rate of 12 per hour. There is one clerk serving the customers at rate of 30 per hour.
- What is the probability that there is no customer in counter? (ie, the system is idle)
 - What is the probability that there are more than 2 customers in the counter?
 - What is the probability that there is no customer waiting to be served?
 - What is the probability that a customer is being served and nobody is waiting?
- (1¼ marks × 4 = 7 marks)
- 3J. What is Working Capital? Discuss the factors which determine the working capital of a company?
(7 marks)



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PAPER II

Tuesday, October 04, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ Answer ALL the questions.
- ✍ Draw diagrams wherever necessary.

PART - A

1. What is 'Regionalization of healthcare'? What are the salient features mentioned in National Health policy 2015 (Draft) pertaining to regionalization?
(10+5 = 15 marks)
2. Discuss the salient features of National Strategic plan for Tuberculosis control (2012-17)
(15 marks)

PART - B

- 3A. What is standard deviation (SD)? Illustrate with an example
- 3B. Discuss the salient features of the ESI scheme provided by the government to its employees
- 3C. Define 'Statistics'. Discuss the importance of 'Hospital utilization statistics'.
- 3D. Computerization of healthcare information system is very essential in the current scenario. Discuss
- 3E. What are the Strategies to be adopted to tackle Human resource management issues in Rural India?
- 3F. Discuss the salient features, objectives and thematic areas of "*Kayakalp*", a program initiated by GOI.
- 3G. What is biomedical waste? Outline the current guidelines adopted by the Government of India towards biomedical waste management.
- 3H. Outline the components of a fire safety protocol for a 250 bedded general hospital.
- 3I. What is DAMA? How will you utilize this information for improving the hospital services?
- 3J. What are the various methods of Economic evaluation of Healthcare programs?
(7 marks × 10 = 70 marks)



MANIPAL ACADEMY OF HIGHER EDUCATION**MD (HOSPITAL ADMINISTRATION) DEGREE EXAMINATION – OCTOBER 2022****PAPER III**

Thursday, October 06, 2022

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

- ✍ **Answer ALL the questions.**
- ✍ **Draw diagrams wherever necessary.**

PART - A

1. Discuss the planning, organization, staffing, policies and procedures to be considered in designing a maternal and child block for a tertiary level hospital. (15 marks)
2. Define the term 'Audit'. Discuss the Clinical audit procedure in detail. (15 marks)

PART – B

- 3A. What is Facility Portfolio assessment? Explain
- 3B. Discuss 'types of Medication errors'. Outline a strategy by adopting a quality tool to minimize medication errors in hospitals
- 3C. What are the 7 pillars of Clinical Governance? Discuss
- 3D. What is a 'Hospital Grid'? How is it different from an 'Engineering grid'? Explain
- 3E. Define 'Consent'. Outline its importance to medical practice and medical administrators.
- 3F. What is a 'Sentinel event'? Outline the steps you followed in analyzing a sentinel event during your hospital posting.
- 3G. What is meant by the term 'Patient rights and responsibilities'? Explain
- 3H. What are 'Smart' hospitals? Explain with examples
- 3I. Discuss 'Patient care areas' with examples.
- 3J. What is 'Law of TORT'? Explain with suitable examples

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

MD (HOSPITAL ADMINISTRATION) DEGREE EXAMINATION – OCTOBER 2022

PAPER IV

Friday, October 07, 2021

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Draw diagrams wherever necessary.**

✍ **Long Essay Questions:**

1. Describe the design requirements of 500 mA X-ray facility. Mention any five policies for reporting in Radiology department.
(15 marks)
2. Discuss implementation program of ICD (International Classification of Diseases) coding in medical records of a tertiary care hospital. What are its advantages & disadvantages?
(15 marks)

✍ **Short Essays:**

- 3A. What are the objective elements to be noted in Continuity of patient care (COP) chapter in NABH accreditation manual?
- 3B. Explain in detail the evidence collection in a case of victim of rape arriving into Emergency department of your hospital.
- 3C. Discuss on seven issues & their Solutions in Night shift rounds for a Hospital Administrator.
- 3D. Enumerate in detail planning & design considerations of Triage Area in an Accident & Emergency Services department.
- 3E. Discuss a detail plan on management of Fire hazards in a hospital.
- 3F. Discuss five planning and design considerations of an Intensive Care Unit in Coronary Care Services.
- 3G. Discuss on various types of linen distribution available to hospital manager in order to reduce excess storage in wards. What are the advantages & disadvantages of each model?
- 3H. How do you want to Improve Patients Discharge Process in Hospitals by using continuous quality improvement?
- 3I. Discuss on salient features of Burns Unit Organising.
- 3J. Write on the importance and functions of Air Handling Units in hospitals?

(7 marks × 10 = 70 marks)

