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MANIPAL UNIVERSITY

MD (HOSPITAL ADMINISTRATION) DEGREE EXAMINATION – APRIL 2016

SUBJECT: PAPER I: GENERAL ADMINISTRATION AND MANAGEMENT IN
HOSPITAL FIELD

Monday, April 18, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essays:

1. Management is both a science and an art. Discuss. (15 marks)
2. What are the modern management tools and techniques available for a manager in running the hospital effectively? Illustrate with suitable examples. (15 marks)

3. Short Essays:

- 3A. Define Motivation. Write briefly on the theories of motivation
- 3B. Define Management by Objectives (MBO). Explain the concept of MBO with examples
- 3C. What is Quality assurance? Explain its relevance in hospitals
- 3D. What is PERT? Illustrate with examples
- 3E. Define Leadership. Discuss the qualities of a leader
- 3F. What is span of control? How will you apply the same in healthcare?
- 3G. Define Delegation. Add a note on its importance in enhancing efficiency in output
- 3H. What is Budgeting? Discuss the various types of budgets
- 3I. Illustrate with examples “Feed-back control”
- 3J. What is Activity based costing? Explain with examples (7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (HOSPITAL ADMINISTRATION) DEGREE EXAMINATION – APRIL 2016****SUBJECT: PAPER II: HEALTH ADMINISTRATION AND MEDICAL CARE**

Tuesday, April 19, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

☞ Answer ALL the questions.**☞ Long Essays:**

1. Discuss the geriatric problems in India under the heads: Epidemiology and National Health program goals. (15 marks)

2. Discuss different types of “Cohort studies” with suitable examples. Outline their merits and demerits. Describe methods of measurement of risk in cohort studies. (15 marks)

3. Short Essay:

3A. Discuss the medical care system of United States of America. What are the merits and demerits of Patient Protection and Affordability Care Act, popularly called Obama Care Act?

3B. Explain elasticity of demand and supply. Fill in the X-axis, Y-axis. Elaborate demand and supply relationship in context to hospital. Give two examples.

3C. What is hypothesis in Research? Explain the different types of social Research Designs. Describe how a survey instrument of Questionnaire is constructed.

3D. Define and classify sampling. What are reasons for sampling? Write briefly three random sampling methods with examples.

3E. Describe the format of International form of medical Death Certificate? How should an administrator handle a case in Casualty that requires police investigation?

3F. Discuss in detail about International Classification of Diseases. Mention the five changes between 9 & 10 editions.

3G. Define the following with national and Karnataka state normal values:

i) Crude birth rate

ii) Crude death rate

iii) General fertility rate

iv) Total fertility rate

v) Neonatal mortality rate

3H. What is standard deviation (SD)? What is its significance? Illustrate with an example.

3I. Discuss the ‘Minimum needs program’ adopted by the Government of India.

3J. Define the term ‘Disaster’. Is it necessary to have a disaster management protocol for hospital? Discuss.

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (HOSPITAL ADMINISTRATION) DEGREE EXAMINATION – APRIL 2016****SUBJECT: PAPER III: HOSPITAL ADMINISTRATION AND HOSPITAL PLANNING**

Wednesday, April 20, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Essays:**

1. Classify Disasters. What are important parameters to construct earthquake resistant buildings in seismic zone? Write in detail on implementing a Disaster Management Protocol for a 200 bed hospital?

(15 marks)

2. Write four differences between Health Center and Hospital. Describe IPHS standards and their implementation program for a first grade primary health center.

(15 marks)

3. **Short notes:**

3A. What provisions shall be made in a nursing home, polyclinic and 250 bed multi-specialty hospital, so as to comply with Biomedical waste (management and handling rules) Act, 2011?

3B. Write in detail a Communication (public address) System plan for a large-size General Hospital in the planning stages?

3C. Mention various tools and techniques under Kaizen Umbrella. Discuss each one briefly.

3D. What is a modular grid and how it can be used in Ward designing? Illustrate with diagrams of Riggs' ward, OPD consultation room. Explain four important uses of anthropometric measurements in designing a hospital?

3E. What is zoning concept in operation theater design? What are its positive effects and negative effects? What are Normal Values of Effective Temperature, Relative Humidity, Fresh Air Changes Per Hour in a normal room and an Operating Room.

3F. Enumerate the important hospital committees which aim at improving the quality of services in hospitals?

3G. How do you manage the autopsy of custodial death? Explain in detail the sample collection in a case of victim of rape arriving into Emergency department of your hospital.

3H. Define 'Ward planning'. Enumerate the various ward patterns that have evolved over the period.

3I. What is Medical Negligence? Illustrate with examples.

3J. What is a 'Hospital hazard'? Mention few hospital hazards that you may come across during your hospital postings.

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (HOSPITAL ADMINISTRATION) DEGREE EXAMINATION – APRIL 2016****SUBJECT: PAPER IV: ADMINISTRATION OF CLINICAL & NON CLINICAL SERVICES**

Thursday, April 21, 2016

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essays:

1. Discuss the planning, organization, staffing workflow of the Accident and Emergency (A&E) services at a tertiary care teaching hospital.

(15 marks)

2. Outline the design considerations for setting up of Hospital blood bank services at a tertiary care center.

(15 marks)

3. Short Essay:

3A. What is 'reverse isolation'? Discuss its importance in planning paediatric and oncology wards.

3B. Discuss the planning, staffing, functioning of Intensive Care Unit (ICU) services in the hospital.

3C. What is Sterilization? Write briefly on the planning, organization, staffing of the CSSD services at a tertiary care teaching hospital.

3D. Discuss the various steps you will undertake in introducing 'Electronic Medical Records' (EMR) in a teaching hospital.

3E. Define condemnation? Outline the structure, composition and functioning of Hospital condemnation committee.

3F. Discuss the role of various hospital committees in ensuring patient safety.

3G. How will you evaluate hospital services? Discuss.

3H. Discuss the planning, organizing and staffing of hospital engineering services

3I. Discuss the ventilation system adopted in operation theaters.

3J. What is Hospital Acquired Infection (HAI)? Discuss the importance of monitoring HAI in a tertiary care hospital.

(7 marks × 10 = 70 marks)

