# Masters in Hospital Administration (MHA) Course Entrance Examination 2024

# RAJENDRA INSTITUTE OF MEDICAL SCIENCES, RANCHI

(An Autonomous Institute under Govt. of Jharkhand)

# **Information Brochure**



· Application form Available (Online) : 06<sup>th</sup> Fe

Last Date of Application :

 Admit card available online from (By e-mail)

Entrance Examination

Place of Examination

Date of Result

06<sup>th</sup> February 2024

20<sup>th</sup> February 2024

27<sup>th</sup> February 2024

29<sup>th</sup> February 2024

Rajendra Institute of Medical

Sciences, Ranchi (Jharkhand)

To be announced on website

Website: https://rimsranchi.ac.in/

E-mail: <a href="mailto:rimsranchi@rediffmail.com">rimsranchi@rediffmail.com</a>

Phone No.: 0651-2541533, Fax no.: 0651-2540629

**Note:** RIMS, Ranchi reserves right to cancel the admission process at any stage.



# Rajendra Institute of Medical Sciences, Ranchi

(An Autonomous Institute under Govt. of Jharkhand)

Proposal for the degree of Master in Hospital Administration (MHA)



The course in Master in Hospital Administration (MHA) will be run by Rajendra Institute of Medical Sciences (RIMS) Ranchi, The degree obtained by student will be **Master in Hospital Administration (MHA).** 

#### 1. AIMS & OBJECTIVES:

- 1.1. To prepare the candidate to assume the responsibility of a hospital executive / hospital administration health sector and subsequently function at higher levels in the hierarchy with requisite experience.
- 1.2. To develop the skills and enlarge the knowledge base to function as hospital manager at various levels in the hospitals.
- 1.3. To provide training in key issues of hospitals like hospital planning / designing, quality and safety in patient care, Accreditation of hospitals and resource management.

#### 2. HOSPITAL ADMINISTRATION / MANAGEMENT :

Hospital plays a very important role in delivery of health care services. With advancement in the field of medicine hospitals are able to offer a wide variety of health services. Therefore, the role of hospital administration is increasing day by day for effective and efficient delivery of medical services. Patient satisfaction, cost-containment, quality medical care, are the main output forum of hospital delivery system which can be achieved by using the management concept and techniques by the trained/qualified hospital administrators / healthcare providers.

Department of Hospital Management/Administration has been given approval in 50th GB of autonomous RIMS, Ranchi, vide letter no GB 50.6 dated 28.01.2021 The Hospital Management / Administration will be dedicated to training, teaching & research on all the issues that directly or remotely relate to the hospital management / administration. The operational objectives of the department are to facilitate the patient care services, at all levels, in order to achieve excellence through evidence based administration. The Hospital Management / Administration will also actively involved in organizing training program / seminars for Jharkhand Government etc. Health Services offers on various aspects of Hospital administration and healthcare/patient care management.

# 3. Eligibility for Admission:

Graduates from relevant background (MBBS, BDS, AYUSH from an Institute / College recognized by MCI, DCI, AYUSH Ministry) **OR** as per recognized Institute/University/College of Bachelor of Hospital Administration **OR** Candidates having PGDHHM/PGDHA course from recognized Central / State University of Non-medical stream with minimum 50% of marks **OR** having minimum Five years experience in recognized Government/Private Multi-specialty hospital (100 beds and above). However preference will be given to candidates having research experience in hospital administration.

#### 4. Age:

The upper age limit for admission is 35 years for the session. Upper age limit is relaxable as per Govt. of Jharkhand rules in force at the time of admission.

#### 5. Selection and Reservation:

Students matching eligibility criteria can apply for Master in Hospital Administration (MHA) Course. After submitting the application. All students have to appear for entrance examination conducted by RIMS. Students qualifying entrance examination with minimum 50% marks for general candidate and minimum 45 % marks for reserve category will be eligible for GDPI, conducted by RIMS.

The interview board for GDPI will consist of

- Dean / Medical Superintendent / Dy. Medical Superintendent
- External Expert
- ST / SC Faculty Member
- University / VC Nominee

Admission to MHA Course would be offered based on merit. Reservation of seats will be in accordance with Jharkhand Government norms.

Note: In case of candidate is not available against the reserved vacancy then the vacant seat will be filled in accordance with Jharkhand Government norms.

#### 6. Number of Seats:

Six (06) per academic year i.e. January to December of following year.(Reservation as per Government of Jharkhand norms)

7. Duration of Program: 2 Years, Fulltime

#### 8. Certification and Approving Authority:

Course has been approved by Academic / Executive council of RIMS/ Ranchi University and Government of Jharkhand. The student upon successful completion of the course will be awarded "Master in Hospital Administration (MHA)" from RIMS / Ranchi University, Ranchi.

**Note :** The course has been approved by Govt. of Jharkhand and Ranchi University. However Final approval is awaited from Ranchi University. This course is recognized as self-finance course, hence no stipend provided at any stage during the course.

#### 9. Examination Passing Criteria:

- 9.1. The course is spread out in Four (04) semester search of Six (06) months.
- 9.2. After each semester an internal examination will be conducted. Summer Training will be held after Second Semester.
- 9.3. **Attendance**: Minimum 80% attendance is mandatory in each semester. including Summer Training to appearing examination.
- 9.4. It is compulsory to secure 50% marks in each paper individually to pass.
- 9.5. If a student fails in any of the paper in a semester examination, he will be given chance to appear in the paper after every six (06) months. However, if he fails in three or more papers he will not be promoted to next Semester. He will be eligible to appear for External Examination only after passing all Semester Exams
- 9.6. External examination will be conducted after conclusion of fourth semester which comprise of:
  - 9.6.1. Case Studies / Projects completed by the student.
  - 9.6.2. Dissertation
  - 9.6.3. Viva voice
  - 9.6.4. Practical Examination
- 9.7. Distribution of marks. The total number of marks allotted to MHA course will be 100
- 9.8. The weightage of these marks will be as under: Semester I+ II +III +IV=30% Final Examination=70%
- 9.9. Candidate can appear in External Examination only after clearing all semester examinations, completion of Summer Training and submission of Dissertation.
- 9.10. **Board of Examiners:** Expert of Hospital Administration. One Faculty Member from Departments nominated by Dean. One External Examiner, who shall be invited from other, recognized University.

#### 10. Fee Structure:

#### 10.1. Entrance Examination Application Fee:

Examination fees are INR 1500 for Unreserved (UR) & OBC candidates and INR 1000 for SC/ST candidates). Application for the aforesaid examinations can be done through **OFFLINE MODE ONLY** (Demand Draft in favour of Director RIMS, Ranchi). The Complete Filled Application form duly signed, along with Demand draft must be deposited before the last date to **Dean Office**, **Administrative Block**, **RIMS Ranchi-834009**. Application Fee once paid will not be refunded under any circumstances.

#### 10.2. Course Fee:

| S.No | Items             | First Year<br>1 <sup>st</sup> Semester | First Year<br>2 <sup>nd</sup> Semester | Second Year<br>3 <sup>rd</sup> Semester | Second Year<br>4 <sup>th</sup> Semester |
|------|-------------------|--|--|---|---|
| 1.   | Admission fee     | 5000                                   |  | 9                                       |   |
| 2.   | Course fee        | 25000                                  | 25000                                  | 25000                                   | 25000                                   |
| 3.   | Examination fee   | 20 115                                 | 2500                                   |   | 2500                                    |
| 4.   | Enrolment fee     | 500                                    | A THE                                  |   |   |
| 5.   | Degree/Diploma    | 100                                    | 300                                    |   | 300                                     |
|      | Certificate fee   | W C                                    |  | 75                                      |   |
| 6.   | Migration         | S. 5                                   | 801                                    |   | 300                                     |
|      | Certificate fee   | 20 8                                   | 8 02 1                                 |   |   |
| 7.   | Caution           | 10000                                  | COLUMN A                               | 530                                     |   |
| - 1  | Money(Refundable) | 9 = 1                                  | V- 0                                   |   | /-//                                    |
| 8.   | Library fee       | As per norm                            |  | A. Ladd                                 | ///                                     |
| 9.   | Total             | 40500                                  | 27800                                  | 25000                                   | 28100                                   |

Note: Selected candidate full filling all the eligibility criteria will be informed by e-mail/on

website also

Examination fee: As per RIMS norms.

Miscellaneous: For availing any Hostel / Campus facility as per RIMS norms.

**11. Medium of Instruction:** The Medium of instruction will be English.

#### 12. Course Structure:

#### 12.1. Time duration available

| Duration   | 2 Years  |
|--|----------|
| Working Days (365 – Holidays as per RIMS policy) | 586 days |
| (approx 20 gazette holidays & 52 Sunday) X 2     |          |

| Working hours (8 per day)               | 468 hrs |
|---|---------|
| Total Semesters                         | 4       |
| Hrs available per semester (4 semester) | 1172    |

# 12.2. Paper / Examination

| I                               | Internal Examination   |       |
|---------------------------------|--|-------|
|                                 | Semester I (1172 hrs)  | Marks |
| Paper 1                         | Concept and Principle of Management                                      | 100   |
| Paper 2                         | Organizational Behavior  | 100   |
| Paper 3                         | Human Resource Management  | 100   |
| Paper 4                         | Quality of Medical Care and Patient Safety                               | 100   |
| Paper 5                         | Hospital Administration  | 100   |
| 1/8                             | Semester II (1172 hrs)   | Marks |
| Paper 6                         | Organisation and Management of Clinical Services                         | 100   |
| Paper 7                         | Organisation and Management of Support & Utility Services                | 100   |
| Paper 8                         | Research Methodology   | 100   |
| Paper 9                         | Biostatistics Hospital Statistics and Operational Research               | 100   |
|                                 | Semester III (1172 hrs)  | Marks |
| Paper 10                        | Health Administration  | 100   |
| Paper 11                        | Hospital Planning  | 100   |
| Paper 12                        | Epidemiology   | 100   |
| Paper 13                        | Material Management and Inventory Control                                | 100   |
| 1/ 1/                           | Semester IV (1172 hrs)   | Marks |
| Paper 14                        | Healthcare Marketing and Public Relations                                | 100   |
| Paper 15                        | Recent Trends  | 100   |
| Paper 16                        | Hospital Accounting and Financial Management                             | 100   |
| Paper 17                        | Legal Aspect   | 100   |
| II                              | External Examination   | Marks |
| Final Examina<br>Viva Voice ; P | ation: Dissertation; Case Studies / Projects one each Semester; ractical | 100   |

#### 12.3. Dissertation:

The Student will be required to complete a satisfactory dissertation in his/her area of interest. The dissertation will include a critical review of literature pertaining to the specific area of interest, data collection and analysis on the selected problem besides other components of the dissertation.

# 12.4. Case Studies / Project :

Each student would work with organization. It is compulsory to complete one case study / Project in each semester. The objective is to allow students, to have hands on experience. It would also help students to develop managerial skills and competencies.

#### 12.5. Paper wise details:

|       | Semester I Paper 1   |  |  |
|-------|--|--|--|
| 1     | Concept and Principles of Management   |  |  |
| 1.1   | Introduction to Management: Terminology, Definitions; History and evolution of management thoughts; Management: science, theory and practice; Principles of management and their applicability in hospital field.  |  |  |
| 1.2   | Social responsibility of managers; Ethics in managing  |  |  |
| 1.3   | The Management Process.  |  |  |
| 1.3.1 | Fundamentals of planning; Types of plans, Steps in planning, Planning process; Objective setting, Strategic planning, Strategic planning process; Premising and forecasting; Modern tools for analyzing situations e.g TOWS matrix, etc.; Rationality in decision-making, Search and evaluation of alternative; Creativity and innovation. |  |  |
| 1.3.2 | Organizing: Nature of organizing and entreprenuring, Organizational structure;  Departmentation, matrix organization, Authority, responsibility, delegation and decentralization; Hospital as an organization.   |  |  |
| 1.3.3 | Controlling: Basic control process, Critical control points and standards, Stages of control, Relationship of planning and controlling.  |  |  |
| 1.3.4 | Co-ordination: Needs for coordination, Types of coordination, Approaches to coordination, Features of coordination.  |  |  |
| 1.4   | The Role of the Executive: Management functions and tools; Management levels and skills; Styles of management, Participative management; Management by exception; Management by objectives; Systems approach to management; Challenges to manager in hospital field; strategic business unit (SBUs)  |  |  |
| 1.5   | Time management  |  |  |

|       | Semester I Paper 2  |  |  |
|-------|---|--|--|
| 2     | Organizational Behavior   |  |  |
| 2.1   | Communication   |  |  |
| 2.1.1 | Types of communication, Elements of communication, Communication process            |  |  |
| 2.1.2 | Communication barriers  |  |  |
| 2.1.3 | Improving communication in hospitals  |  |  |
| 2.2   | Organizational Behavior and Administrative Styles                                   |  |  |
| 2.2.1 | Introduction to organizational behavior : Need and demands, Motives and             |  |  |
|       | Behavior, Attitude, Acquired and learned drives, Personality, Perception            |  |  |
| 2.2.2 | Motivation: Types of Motives, Need hierarchy, Theories of motivation                |  |  |
| 2.2.3 | Group dynamics: Defining and classifying groups, Group structure and process,       |  |  |
|       | Group decision-making , Team building   |  |  |
| 2.2.4 | Leadership  |  |  |
| 2.2.5 | Conflict: Conflict process, Conflict resolution, Negotiation, Conflict in hospitals |  |  |
| 2.2.6 | Organizational change and stress management: Forces for change; Planned and         |  |  |
|       | unplanned change; Change agents; Resistance to change; Managing resistance to       |  |  |
|       | change; Work stress and management of stress  |  |  |
| 2.2.7 | Organizational culture and organizational development: Matching people with         |  |  |
|       | culture; Learning organizations; Transactional analysis; Organizational             |  |  |
|       | commitment, Johari's Window   |  |  |

| 11    | Semester I Paper 3   |  |  |
|-------|--|--|--|
| 3     | Human Resource Management  |  |  |
| 3.1   | Principles of Human Resource Development (HRD)   |  |  |
| 3.1.1 | The concept of Human Resource Development  |  |  |
| 3.1.2 | Manpower planning : Number of categories of staff; Job analysis and job specifications                                   |  |  |
| 3.1.3 | Recruitment and selection  |  |  |
| 3.1.4 | Training   |  |  |
| 3.1.5 | Performance appraisal: Staff Evaluation and merit rating; Reward system and incentives; Performance linked reward system |  |  |

| <b>3.4</b> Co  | elationship of management and employee organizations onsidering the right and responsibilities of employee ollective bargaining and trade unions |
|----------------|--|
|                |  |
| <b>3.5</b> Co  | ollective bargaining and trade unions  |
|                |  |
| <b>3.6</b> Gr  | rievance redressal, Absenteeism  |
| <b>3.7</b> Pr  | oblems of HR in Hospitals  |
| 3.8 W          | elfare and morale  |
| <b>3.9</b> Al  | lowances and benefits  |
| <b>3.10</b> Do | ownsizing and voluntary retirement schemes (VRS)   |
| <b>3.11</b> Of | ffice Procedures   |
| <b>3.12</b> En | nquiries and disciplinary actions  |
| <b>3.13</b> Cr | redentialing and Privileging   |

| Semester I Paper 4 |   |  |
|--------------------|---|--|
| 4                  | Quality of Medical Care and Patient Safety            |  |
| 4.1                | Quality of Medical Care                               |  |
| 4.2                | Quality concepts                                      |  |
| 4.3                | ISO Standards   |  |
| 4.4                | Quality circles/CQI                                   |  |
| 4.5                | Quality control                                       |  |
| 4.6                | Total quality management in hospitals                 |  |
| 4.7                | Value added Management (VAM)                          |  |
| 4.8                | Six – sigma concept                                   |  |
| 4.9                | Accreditation of hospital                             |  |
| 4.10               | Progressive patient care                              |  |
| 4.11               | Evaluation of hospital care and methods of evaluation |  |
| 4.12               | Committees  |  |
| 4.13               | Code and Drills                                       |  |
| 4.14               | Hospital acquired infections                          |  |
| 4.15               | Patient rights and responsibilities                   |  |

|      | Semester I Paper 5   |
|------|--|
| 5    | Hospital Administration  |
| 5.1  | Definitions hospital and medical care institutions                                   |
| 5.2  | History and development of Hospitals   |
| 5.3  | Hospital of India today number; Type; Size; Distribution; Ownership; Utilization;    |
|      | Ratios; Trends; Problems: Govt Hospital; Private hospital; Specialized Hospitals;    |
|      | Cancer hospital; AYUSH hospital (Ayurveda & Yoga, Unani, Siddha and                  |
|      | Homeopathy hospitals); Psychiatric hospital; Children's hospital; Maternity          |
|      | hospital; Administration of a teaching hospital; General Hospital, District          |
|      | Hospital, Taluka Hospital and Municipal Hospital; India Red Cross society and        |
| //   | hospitals  |
| 5.4  | Functions Medical Care, Prevention , professional Education and Research             |
| 5.5  | Role of hospital in Health Spectrum  |
| 5.6  | Hospital Administration: Principles of administration , Responsibilities , Functions |
| 5.7  | H <mark>osp</mark> ital Organization   |
| 5.8  | The Governing organization   |
| 5.9  | The Hospital Administration: Qualifications, Responsibilities, Authority,            |
|      | Relationship , Motivation, Role, Functions   |
| 5.10 | Challenges of Hospital Administration  |
| 5.11 | Hospital as a matrix organization  |
| 5.12 | Channels of authority and Communication  |
| 5.13 | Staffing norms in various departments and hospitals                                  |
| 5.14 | Nursing administration   |
| 5.15 | Nursing organization structure   |
| 5.16 | Nurse Doctor relation  |
| 5.17 | Doctor patient relation  |
| 5.18 | Nursing problems in hospital   |
| 5.19 | Recent trends in nursing profession and nursing practices                            |
| 5.20 | Case Method Study of Hospital Management   |
| 5.21 | Health Care Facility Management  |
| 5.22 | Transfer Welfare Services  |
| 5.23 | Hospital Welfare Services  |

| 5.24 | Reports and returns                          |
|------|--|
| 5.25 | Medical Boards                               |
| 5.26 | Entitlement of treatment                     |
| 5.27 | Inspection , Medical Superintendent's rounds |
| 5.28 | Hospital Standing Orders                     |
| 5.29 | Exit interview & Discharge procedure         |
| 5.30 | Enterprise Resource Planning (ERP)           |

| Semester II Paper 6 |  |  |
|---------------------|--|--|
| 6                   | Organization and Management of Clinical Services                                 |  |
| 6.1                 | Outpatient services  |  |
| 6.2                 | Inpatient services   |  |
| 6.3                 | Accident and Emergency Services  |  |
| 6.4                 | T <mark>rau</mark> ma management and Triage                                      |  |
| 6.5                 | Surgical Services  |  |
| 6.6                 | Intensive care unit  |  |
| 6.7                 | Coronary care unit   |  |
| 6.8                 | Organ Transplant Cell; Bone marrow transplant unit (BMT); Kidney Transplant unit |  |
| 6.9                 | Dialysis Unit  |  |
| 6.10                | Day care units   |  |
| 6.11                | Nursing services   |  |
| 6.12                | Ward management including welfare and recreational facilities                    |  |

|     | Semester II Paper 7  |  |
|-----|--|--|
| 7   | Organization and Management of support & Utility Services                            |  |
| 7.1 | Radio Imaging and Radiotherapy services  |  |
| 7.2 | Hospital Laboratory Services   |  |
| 7.3 | Physiotherapy center   |  |
| 7.4 | Medical stores and Pharmacy services: Hospital formulary: Essential drugs list (EDL) |  |

| 7.5  | Blood bank and Transfusion services  |
|------|--|
|      | blood bank and Transiasion services  |
| 7.6  | Central Sterile Supply Department (CSSD)                                       |
| 7.7  | Dietary services   |
| 7.8  | Mortuary   |
| 7.9  | Housekeeping including Pest control  |
| 7.10 | Medical Records  |
| 7.11 | Transportation : Ambulance services ; Intramural; Extramural ( Patient; Staff; |
|      | Visitors)  |
| 7.12 | Hospital Hazards and Fire safety   |
| 7.13 | Hospital security  |
| 7.14 | Linen and laundry services   |
| 7.15 | Hospital Information system (HIS)  |
|      |  |

|      | Semester II Paper 8  |  |
|------|--|--|
| 8    | Research Methodology   |  |
| 8.1  | Introduction   |  |
| 8.2  | Social Survey its role and development in India              |  |
| 8.3  | Planning a research project and selecting a research problem |  |
| 8.4  | Research protocol writing                                    |  |
| 8.5  | Bibliographical data   |  |
| 8.6  | Questionnaires, Interview and observations                   |  |
| 8.7  | Cade study   |  |
| 8.8  | The experimental technique                                   |  |
| 8.9  | Measurement and analysis of data                             |  |
| 8.10 | Reporting and write up                                       |  |
| 8.11 | Research in social sciences                                  |  |
| 8.12 | Errors of measurement  |  |

| Semester II Paper 9 |  |
|---------------------|--|
| 9                   | Biostatistics, Hospital Statistic and Operational Research                 |
| 9.1                 | Biostatistics & Demography   |
| 9.1.1               | Basic concepts – Introduction, Definitions; Basics of Medical Research     |
| 9.1.2               | Presentation of data   |
| 9.1.3               | Frequency distribution   |
| 9.1.4               | Measurements of central tendency Mean, Median, Mode                        |
| 9.1.5               | Measures of disease frequency  |
| 9.1.6               | Measurements of dispersion mean and standard deviation                     |
| 9.1.7               | Sampling methods and errors in sampling                                    |
| 9.1.8               | Normal curve and Poisson distribution                                      |
| 9.1.9               | Testing of hypothesis  |
| 9.1.10              | Test of significance – Normal test, "t" test and chi-square test           |
| 9.2                 | Health Statistic   |
| 9.2.1               | Health Statistic and health information system in India                    |
| 9.2.2               | Methods of registration – fallacies / difficulties and Sample registration |
| 9.2.3               | Common rates and ratios in India   |
| 9.2.4               | Incidence and Prevalence rate  |
| 9.2.5               | Morbidity Statistic – problems of measurements, sources of morbidity       |
| 9.2.6               | I.C.D  |
| 9.2.7               | Notifiable diseases  |
| 9.2.8               | Health Information system in India   |
| 9.2.9               | Health Indicators  |
| 9.3                 | Operational Research   |
| 9.3.1               | Modern management techniques   |
| 9.3.2               | PERT   |
| 9.3.3               | СРМ  |
| 9.3.4               | Work Study and method study  |
| 9.3.5               | OR methodology   |
| 9.3.6               | Linear programming   |
| 9.3.7               | Transportation model   |
| 9.3.8               | Assignment model   |

| 9.3.9  | Dynamic programming                                 |
|--------|---|
| 9.3.10 | Queuing theory                                      |
| 9.3.11 | Network models                                      |
| 9.3.12 | Decision tree etc                                   |
| 9.3.13 | Medical Informatics and Computer Applications       |
| 9.3.14 | Hospital utilization and its evaluation             |
| 9.3.15 | Administrative & Bio-social Researches in hospitals |
| 9.3.16 | Hospital statistics                                 |

| 1/3   | Semester III Paper 10  |  |
|-------|--|--|
| 10    | Health Administration  |  |
| 10.1  | Development and organization of Health services in India (Central, State, Defence, Railway and other public sector undertakings and Voluntary health agencies)   |  |
| 10.2  | Health care delivery system in India – Primary/Secondary/ Tertiary care;  Indigenous system of medical care; Regionalisation – organization and functioning  |  |
| 10.3  | Need and demand for Medical Care   |  |
| 10.4  | Availability and cost of medical care  |  |
| 10.5  | Review of Reports on Health Care; Bhore Committee; Mudaliar Committee, Jain Committee, Chandha Committee, Kartar Singh Committee, Srivastava Committee, Bajaj Committee, Rao Committee, Committee on planned projects (COPP) |  |
| 10.6  | Niti Aayog/ Five year plans with special reference to Health Plans   |  |
| 10.7  | National Health Programmers & National Health Mission  |  |
| 10.8  | National policies relating to health   |  |
| 10.9  | Health Sector Reforms  |  |
| 10.10 | International organization related to Health Services and International health regulations. WHO, UNICEF and other UN and Multilateral agencies engage and forms of International cooperation                                 |  |
| 10.11 | Rehabilitation, IEC and community participation, Health education  |  |

| Semester III Paper 11 |  |
|-----------------------|--|
| 11                    | Hospital Planning  |
| 11.1                  | Planning of the hospital : Macro planning of hospitals; Hospital space module      |
| 11.2                  | Role of the Architect: In the planning stages; preliminary sketches; final plans,  |
|                       | Working drawing; specification, cost estimates; Construction problems              |
| 11.3                  | Site Surveys: Physical environment , possibility for expansion; utilities – Water, |
|                       | electricity, sewer lines , telephone, transportation and others.                   |
| 11.4                  | Hospital Building: External architect aspects; Internal arrangements; External     |
|                       | Services; Hospital Infection control and medical architecture; Hospital lighting;  |
|                       | Ventilation; Planning of individual services and departments; Planning a           |
| ///                   | ward/nursing unit; Land scaping in hospitals; Project Management, waiting areas,   |
|                       | ramps, differently abled friendly hospital   |
| 11.5                  | Taking over and commissioning a new hospital                                       |
| 11.6                  | Alteration and additions in an existing hospital                                   |
| 11.7                  | Planning the Hospital Engineering services   |
| 11.8                  | Equipment planning and management for a new hospital; Strategic planning and       |
|                       | selection of hospital equipment; Purchase procedure; Installing and                |
|                       | commissioning; Equipment utilization; Repair and maintenance; Calibration of       |
|                       | medical equipment.   |

|      | Semester III Paper 12   |  |
|------|---|--|
| 12   | Epidemiology  |  |
| 12.1 | Epidemiology  |  |
| 12.2 | Evolution and uses of epidemiology  |  |
| 12.3 | Definition and terminology  |  |
| 12.4 | Natural history of disease and role of hospital in various levels of Prevention |  |
| 12.5 | Types of epidemiology   |  |
| 12.6 | Methods of epidemiological studies  |  |
| 12.7 | Socio-economic status and occupation as determinant in disease distribution     |  |
| 12.8 | Cause and effect relationship   |  |
| 12.9 | Epidemiology of hospital infection  |  |

| 12.10 | Epidemiology of Non-Communicable disases   |
|-------|--|
| 12.11 | How to investigate an epidemic and role of the hospital in its control                 |
| 12.12 | Common diseases in India-their epidemiology and prevention                             |
| 12.13 | Screening and surveys  |
| 12.14 | Concept of health Indicators   |
| 12.15 | Disability adjusted life years (DALY'S), Quality adjusted life years (QALY'S),         |
|       | Disability adjusted life expectancy (DALE), Physical quality of life Index (PQLI) etc. |

|       | Semester III Paper 13  |  |
|-------|--|--|
| 13    | Material Management And Inventory Control  |  |
| 13.1  | Material Management in Hospital  |  |
| 13.2  | Introduction to principles of material management                                      |  |
| 13.3  | Inventory management   |  |
| 13.4  | Classification of Inventory  |  |
| 13.5  | Basic Inventory model, Inventory costs.  |  |
| 13.6  | Inventory control  |  |
| 13.7  | Selective inventory control techniques ABC analysis, VED, SED, FSN, HML, XYZ, MUSIC-3D |  |
| 13.8  | Economic order quantity (EOQ)  |  |
| 13.9  | Ordering system  |  |
| 13.10 | Lead-time, safety stock  |  |
| 13.11 | Standardization and codification   |  |
| 13.12 | Value analysis   |  |
| 13.13 | Value engineering  |  |
| 13.14 | Just in time inventory (JIT)   |  |
| 13.15 | Purchase system  |  |
| 13.16 | Materials planning   |  |
| 13.17 | Tendering System of purchase-supply, storage, distribution and accounting in           |  |
|       | Hospitals pertaining to Medical Stores, Surgical stores, Linen stores, General         |  |
|       | stores   |  |
| 13.18 | Conditioning and disposal of stores  |  |

| : | 13.19 | Role of automation in stores management |
|---|-------|---|
| : | 13.20 | Vendor rating                           |

| Semester IV Paper 14 |  |
|----------------------|--|
| 14                   | Healthcare Marketing and Public Relations  |
| 14.1                 | Introduction to Marketing: Marketing Concept; Process: Marketing Mix;  Marketing Environment, market segmentation, targeting and positioning |
| 14.2                 | Marketing strategies : Channel and Promotion   |
| 14.3                 | Marketing of hospitals   |
| 14.4                 | Social aspects of marketing  |
| 14.5                 | Customer relationship management (CRM)   |

|       | Semester IV Paper 15   |
|-------|--|
| 15    | Recent Trends  |
| 15.1  | Re-engineering   |
| 15.2  | Telemedicine   |
| 15.3  | Artificial intelligence  |
| 15.4  | Managerial issues in Nuclear, Biological and Chemical (NBC) warfare casualties |
| 15.5  | Medical tourism  |
| 15.6  | Euthanasia   |
| 15.7  | Outsourcing etc  |
| 15.8  | Nano technology  |
| 15.9  | Robotic Surgery  |
| 15.10 | Disaster management  |
| 15.11 | Risk management  |
| 15.12 | Ergonomics and application in hospital   |
| 15.13 | Occupational hazards   |

|       | Semester IV Paper 16   |
|-------|--|
| 16    | Hospital Accounting and Financial Management   |
| 16.1  | Financial Management in hospitals  |
| 16.2  | Elements of cost   |
| 16.3  | Costing and cost accounting  |
| 16.4  | Depreciation   |
| 16.5  | Costing of health services   |
| 16.6  | Hospital budget – planning , forecast , sub-allotment and utilization  |
| 16.7  | Accounting Records   |
| 16.8  | Internal Control and audit   |
| 16.9  | Cost effective analysis  |
| 16.10 | Cost benefit analysis  |
| 16.11 | Break-even analysis  |
| 16.12 | Discounted cash flow techniques  |
| 16.13 | Cost containment in hospitals  |
| 16.14 | Medical Insurance/TPA  |
| 16.15 | Study of the Administration of Health Insurance Schemes like C.G.H.S. and E.S.I and Social Security Measures |

| Semester IV Paper 17 |  |  |  |
|----------------------|--|--|--|
| 17                   | Legal Aspect in Healthcare   |  |  |
| 17.1                 | Legal issues in Hospital administration: Medico-legal issues in Hospital |  |  |
| 17.2                 | Drug and cosmetic act.   |  |  |
| 17.3                 | Consumer protection act  |  |  |
| 17.4                 | Law of torts   |  |  |
| 17.5                 | PCPNDT act   |  |  |
| 17.6                 | Transplantation of Human Organs and Tissues Act and Rules                |  |  |
| 17.7                 | Prevention of food adulteration act                                      |  |  |
| 17.8                 | Biomedical waste management and handling rules                           |  |  |
| 17.9                 | Essential services maintenance act (ESMA)                                |  |  |
| 17.10                | Court procedure and attendance in courts                                 |  |  |

| 17.11 | Grievance redressal and Complaint handling system                   |
|-------|---|
| 17.12 | Settlement of disputes  |
| 17.13 | BARC Guidelines   |
| 17.14 | The Clinical Establishments (Registration and Regulation) Act, 2010 |
| 17.15 | Emergency Services in the hospitals – Supreme Court guidelines      |
| 17.16 | Trade unions  |
| 17.17 | Industrial relation in health services                              |
| 17.18 | Permits and licenses in hospital                                    |
| 17.19 | Medical ethics and ethical issues in the end of life decisions      |

#### 13. Powers of Dean:

Notwithstanding any contained in these rules, the Dean of the Faculty of the Institute may at any time before completion of the course either on his own motion or on the application of any person after due and proper enquiry and after giving the person 2 weeks time from the date of receipt of the show cause notice to submit the written explanation and on personal hearing order the cancellation of admission to the course, if in his/her opinion, such candidate has furnished incorrect particulars/ or false information in the application or in the document attached thereto or in the statements made either before the authority in charge of admissions or the Dean or any other manner. Against any such order of the Dean, the appeal shall be made to the Director, RIMS, Ranchi.

#### 14. Anti-Ragging Act:

Ragging is prohibited in the Educational Institutions as per UGC Guidelines. If any incident of ragging comes to the notice of the authority, subject to the explanation of the concerned student, it will be dealt with strictly in accordance with the pertinent rules.

#### Important:

- In case of any dispute, the decision of the Director, RIMS Ranchi shall be final.
- In case of any legal dispute the jurisdiction will be Jharkhand High Court, Ranchi Bench only.

#### Annexure -I

# PROFORMA FOR ENDORSEMENT BY THE EMPLOYER

(Certificate to be produced by in-service candidates)

| It is certified that Dr./Mr./Ms           | <del>_</del>  |
|---|---|
| S/o. / D/o                                | is employed as  |
| (Designation) Sinceat                     | (A Government of Jharkhand  |
| / Autonomous Body / Public Sector Org     | ganization / A Govt. of India). It is further certified that                          |
| the undersigned has no                    | objection to the application of   |
| Dr./Mr./Ms                                | being considered by RIMS for admission into   |
| Master's in Hospital Administration co    | ourse for the year 2024 a <mark>nd</mark> if selected he/she will be                  |
| relieved within the prescribed time limit | t as per <mark>the</mark> Rules from our <mark>office</mark> for the entire period of |
|   | Signature of the Employer (Name in Full & Designation) With Official Seal             |

**Annexure - II** 

#### List of Certificates to be submitted/shown at the time of admission:

- 1. Provisional/Final Degree Certificate
- 2. Marks Memos of Degree
- 3. Transfer certificate / Migration certificate of Degree
- 4. Bonafide and conduct certificate for 3 years immediately preceding the qualifying exam from the Head of Institutions.
- 5. 10th class Certificate/marks memo
- 7. Caste Certificate (For SC/ST/OBC candidates) if applicable (please note that the certificate issued should be dated on or after December 2023)
- 8. Fees to be paid as mentioned in prospectus.
- 9. Relieving order from the appointing authority (in case of in-service candidates)
- 10. Professional council registration certificate as applicable
- 11. NOC from relieving authority (for in service candidates)
- 12. Any Experience in Multi-specialty hospital working (100 beds and above only) as per eligibility.



| _       |             | FORM FOR THE MAST        | ERS IN HOSPITAL ADMIN    | NISTRATION (MI | HA) COURSE -2024    |
|---------|-------------|--------------------------|--------------------------|----------------|---------------------|
| 1. Nan  | ne          |                          | :                        |                |                     |
| 2. Fath | ner's nam   | ne                       | :                        |                |                     |
| 3. Mo   | ther's nai  | me                       | :                        |                |                     |
| 4. Dat  | e of birth  |                          | :                        |                | Passport Size Photo |
| 5. Age  | as on 20    | .02.2024                 | :mon                     | thyear         |                     |
| 6. Gen  | ıder        |                          | : Media                  |                |                     |
| 7. Maı  | rital statu | IS THE THE               |                          |                |                     |
| 8. Cate | egory (SC   | /ST/OBC/UR/EWS.)         | .41. 41. 65.             |                |                     |
| 9. Add  | ress for o  | correspondence with      | PIN code) :              |                |                     |
|         |             |                          | CHARLET MAR              |                |                     |
|         | 11.9        |                          |                          |                |                     |
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| 10. Ad  | dress - P   | erman <mark>ent</mark> : |                          |                |                     |
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| 11. Co  | ntact det   | ails: Landline           | Mobile                   | emai           | l                   |
|         | 1.7         |                          | school onwards) Attach a | Part I William | W //                |
| S.No    | Year        | Board/University         | Examination passed       | Aggregate %    | Major subjects      |
|         | 11          |                          | THE PERSON NAMED IN      |                |                     |
|         |             |                          | The state of             |                |                     |
|         |             |                          |                          | - /            |                     |
|         |             | 197                      | FILE                     | 1.             |                     |
|         |             |                          | and later                |                |                     |
|         |             |                          |                          |                |                     |
|         |             |                          |                          |                |                     |
|         |             |                          |                          |                |                     |
|         |             |                          |                          |                |                     |

13. No Objection Certificate from employer (if applicable): Yes/No

14. Experience in Multi-specialty Hospital (100 beds and above), if any:

| S.No | From | То | Organization | Designation | Nature of assignment |
|------|------|----|--------------|-------------|----------------------|
|      |      |    |              |             |                      |
|      |      |    |              |             |                      |
|      |      |    |              |             |                      |

15. Research Experience (Book chapter written, Paper published in Journals etc.)

| 16. | Details of bank draft : | Amount | DD Number | Issuing<br>Branch | Bank | & | Date<br>issue | of |
|-----|-------------------------|--------|-----------|-------------------|------|---|---------------|----|
|     | 1 3                     | Rs     |           | S CI              | 0.   |   |               |    |

- 17. Annual Income of Parent/guardian:
- 18. Any other relevant information:

I hereby affirm that the above information is true and if any discrepancy is found in future suitable action may be taken as per the institutional rules and regulations.

Place: (Signature of the candidate)

Date:

#### **Check List of Enclosures:**

- 1. Provisional/Final Degree Certificate.
- 2. Marks Memos of Degree.
- 3. Transfer certificate / Migration certificate of Degree.
- 4. Professional council registration certificate as applicable.
- Certificates from High School onwards.
- 6. Bonafide and conduct certificate for 3 years immediately preceding the qualifying exam from the Head of Institutions
- 7. 10th class marks memo showing full name and date of birth.
- 8. Caste Certificate, if applicable.
- 9. Fees to be paid.
- 10. NOC from the appointing authority (in case of in-service candidates).
- 11. Experience certificate in Multi-specialty Hospital (100 beds and above)
- 12. Any additional qualification

Yes/No

Yes/No Yes/No

Yes/No

Yes/No

Yes/No

Yes/No

Yes/No

Yes/No

Yes/No Yes/No

Yes/No

Annexure - III-A

| Advt.No:                      |  |               |
|-------------------------------|--|---------------|
| ADMIT CARD For E              | ntrance Examination for MHA Program for the ye | ar -2024      |
| 1. Name                       | :  |               |
| 2. Father's name              | :  | Passport Size |
| 3. Date of birth              | :  | Photo         |
| 4. Gender                     | :  |               |
| 5. Marital Status             | :  |               |
| 6. Category (SC/ST/OBC/UR/    | EWS.) :  |               |
| 7. Address for corresponden   | ce (with PIN code) :                           |               |
| 100                           |  |               |
| // 3º A G                     |  |               |
| // 3/ 5                       |  |               |
| 8. Signature of the Candidate | e :  |               |
| 9. Signature of the Candidate | e (During Examination):                        |               |
| 10. Roll No                   |  |               |
| 11. Date & Time of Exam       | : <u> </u>                                     |               |
| 1 2 1                         | 是一个一个一个  |               |
| 12. Venue                     |  |               |
| Verified By (Exam Section):   |  | 7 //          |
|                               |  |               |
|                               |  | Dean, RIMS    |
|                               |  |               |
|                               |  |               |
|                               | लर्वे सन्तु निरामयाः                           |               |
|                               | and later                                      |               |
|                               |  |               |

Annexure - III-B

| Advt.No.:            |                             |                 |               |                           |
|----------------------|-----------------------------|-----------------|---------------|---------------------------|
| Identification       | n Card For E                | Entrance Examin | ation for MHA | Program for the year-2024 |
| 1. Name              | :                           |                 |               |                           |
| 2. Father's name     | :                           |                 |               | I                         |
| 3. Date of birth     | :                           |                 |               | Passport Size Photo       |
| 4. Gender            | :                           |                 |               |                           |
| 5. Marital Status    | :                           |                 |               |                           |
| 6. Category (SC/ST/  | OBC/UR/EV                   | vs.) :          | edica/        |                           |
| 7. Address for corre | spondence                   | (with PIN code) | :             |                           |
|                      | 111                         |                 |               |                           |
| 1/2                  | 1                           | The state of    | for he had    |                           |
| 1/5                  |                             |                 |               |                           |
| 0.51.                |                             | 1500            |               | 2K }                      |
| 8. Signature of the  | 1 50                        | 29              |               |                           |
| 9. Signature of the  | Ca <mark>nd</mark> idate (I | During Examinat | ion) :        |                           |
| 10. Roll No :        |                             |                 |               |                           |
| 11. Date & Time of   | E <mark>xam :</mark>        |                 |               |                           |
| For Examination Ce   | en <mark>tre</mark> only:   | 13/10           | The Cart      |                           |
| DATE & TIME          |                             | SIGNATURE O     | F CANDIDATE   | SIGNATURE OF INVIGILATOR  |
| 1/ 8                 |                             | Karlon          | 100           |                           |
| 1/1 /                |                             |                 |               |                           |
| - 1                  | 1                           |                 |               | 4//                       |
| Candidate Thumb I    | mpression                   |                 | U.F. U.S.     |                           |
| LEFT THUMB IMPRE     | SSION                       | -               | RIGHT THUM    | B IMPRESSION              |
|                      | 1                           | लव सन           | विश्वास्थ     |                           |
|                      |                             |                 |               |                           |
|                      |                             |                 |               |                           |
|                      |                             |                 |               |                           |
|                      |                             |                 |               |                           |

Invigilator's Signature:

Annexure – IV

# This certificate needs to be issued / signed by two separate Officers

### **CERTIFICATE OF CHARACTER**

| Certified that I have known Dr/Mr/Ms   | Son/daughter   |
|--|--|
| of Shrifor the las   | styears months &   |
| that the best of my knowledge & belief he/she be   | ears reputed character & has no antecedents  |
| which render him unsuitable for employment in th   | is Institute.  |
| Dr/Mr/Msi  | s not related to me.   |
| Place:   | Signature  |
| Dated:   | Designation  |
| De la  | District Ma <mark>gis</mark> trate or Sub-Divisional<br>Magistrate or Gazetted Officer |
| CERTIFICATE OF   | CHARACTER  |
| Certified that I have known Dr/Mr/Ms   | Son/daughter   |
|  | Son/daughter   |
| Certified that I have known Dr/Mr/Ms   | years months &   |
| Certified that I have known Dr/Mr/Ms of Shrifor the las  |  |
| Certified that I have known Dr/Mr/Ms  of Shrifor the last that the best of my knowledge & belief he/she be   | styears months & ears reputed character & has no antecedents his Institute.            |
| Certified that I have known Dr/Mr/Ms  of Shrifor the last that the best of my knowledge & belief he/she be which render him unsuitable for employment in the state of the state o | styears months & ears reputed character & has no antecedents his Institute.            |

District Magistrate or Sub-Divisional Magistrate or Gazetted Officer