



All India Institute of Medical Sciences, Jodhpur  
Examination Cell

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**INDICATIVE SYLLABI FOR THE RECRUITMENT EXAMINATIONS SCHEDULED ON 28.06.2018**

Syllabi are only indicative. The questions can assess any aspect of knowledge, aptitude, attitude and practical skills, which is expected from a qualified and trained person to work efficiently at the advertised post(s).

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5.	CSSD Technician	7



**INDICATIVE SYLLABUS FOR DIETICIAN**

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**HUMAN ANATOMY & PHYSIOLOGY**

GENERAL PRINCIPLES OF PHYSIOLOGY, THE SKELETON, THE MUSCULAR SYSTEM, BLOOD AND CIRCULATORY SYSTEM, LYMPHATIC SYSTEM, RESPIRATORY SYSTEM, DIGESTIVE SYSTEM, EXCRETORY SYSTEM, NERVOUS SYSTEM, REPRODUCTIVE SYSTEM, SENSE ORGANS, GLANDS AND ENDOCRINE SYSTEM.

**BIOCHEMISTRY**

INTRODUCTION TO BIOCHEMISTRY, CARBOHYDRATES, PROTEINS, LIPIDS, ENZYMES, NUCLEIC ACIDS, HORMONES.

**PHYSIOLOGIC AND METABOLIC CHANGES IN DISEASE**

PATHOPHYSIOLOGY OF GI TRACT DISEASES, PATHOPHYSIOLOGY OF LIVER DISEASES, DISEASES OF THE GALL BLADDER AND PANCREAS, CARDIO-VASCULAR DISEASES, DISEASES OF THE RENAL SYSTEM, CANCER, IMMUNITY AND INFECTION, MUSCULO-SKELETAL PROBLEMS, ARTHRITIS, OSTEOPOROSIS.

**FOOD MICROBIOLOGY, SANITATION AND HYGIENE**

INTRODUCTION TO MICROBIOLOGY, GROWTH CURVE OF A TYPICAL BACTERIAL CELL, PRIMARY SOURCES OF MICRO-ORGANISMS IN FOODS, FUNDAMENTALS OF CONTROL OF MICRO-ORGANISMS IN FOODS, FOOD SPOILAGE AND CONTAMINATION IN DIFFERENT KINDS OF FOODS AND THEIR PREVENTION, MICROBES USED IN BIOTECHNOLOGY, HYGIENE AND ITS IMPORTANCE AND APPLICATION, SAFE HANDLING OF FOOD, RODENTS AND INSECTS AS CARRIERS OF FOOD-BORNE DISEASES. CONTROL TECHNIQUES, LEGAL ADMINISTRATION AND QUALITY CONTROL, LAWS RELATING TO FOOD HYGIENE.

**HUMAN NUTRITION AND MEAL MANAGEMENT**

CONCEPT AND DEFINITION OF TERMS – NUTRITION, MALNUTRITION, HEALTH, BRIEF HISTORY OF NUTRITIONAL SCIENCE, SCOPE OF NUTRITION, ENERGY IN HUMAN NUTRITION, PROTEINS, LIPIDS, CARBOHYDRATES, VITAMINS, DIETARY FIBRE, MINERALS AND TRACE ELEMENTS, BASIC PRINCIPLES OF MEAL PLANNING, NUTRITIONAL CONSIDERATIONS FOR PLANNING MEALS FOR ADULT, OLD AGE, ATHLETES ETC.

**COMMUNITY NUTRITION**

CONCEPT AND SCOPE OF COMMUNITY NUTRITION, FOOD AVAILABILITY AND FACTORS AFFECTING FOOD AVAILABILITY AND INTAKE, ASSESSMENT OF NUTRITIONAL STATUS, FOOD SECURITY AND ADEQUACY OF DIETS, NUTRITIONAL PROBLEMS OF COMMUNITIES AND IMPLICATIONS FOR PUBLIC HEALTH, SCHEMES AND PROGRAMS IN INDIA TO COMBAT NUTRITIONAL PROBLEMS, HAZARDS TO COMMUNITY HEALTH AND NUTRITIONAL STATUS, HEALTH AND NUTRITION EDUCATION.

**DIET THERAPY**



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DIET THERAPY AND NUTRITIONAL CARE IN DISEASE, NUTRITIONAL INTERVENTION, DIET MODIFICATIONS, INTERACTIONS BETWEEN DRUGS, FOOD NUTRIENTS AND NUTRITIONAL STATUS, DISEASE OF THE G. I. SYSTEM & NUTRITIONAL ASSESSMENT, DIET IN DISEASES OF THE LIVER, PANCREAS AND BILIARY SYSTEM, DIET IN DISEASE OF THE ENDOCRINE PANCREAS DIABETES MELLITUS AND HYPOGLYCEMIA, DIETARY CARE IN DISEASES OF THE ADRENAL CORTEX, THYROID GLAND AND PARATHYROID GLAND, NUTRITIONAL CARE FOR WEIGHT MANAGEMENT, DISEASES OF THE CIRCULATORY SYSTEM, ANEMIA, RENAL DISEASE, ALLERGY, DISEASES OF NERVOUS SYSTEM, BEHAVIOURAL DISORDERS AND MUSCULO SKELETAL SYSTEM, NUTRITION IN CANCER, NUTRITION IN PHYSIOLOGICAL STRESS, NUTRITION EDUCATION AND DIETETIC COUNSELING, FOOD SERVICES MANAGEMENT ETC.



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**INDICATIVE SYLLABUS FOR MEDICAL SOCIAL SERVICE OFFICER GR- I**

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NATURE AND DEVELOPMENT OF SOCIAL WORK, SOCIOLOGICAL CONCEPTS AND CONTEMPORARY CONCERNS, HUMAN BEHAVIOR AND SOCIAL ENVIRONMENT, STATE, POLITICAL ECONOMY AND GOVERNANCE, SOCIAL WORK WITH COMMUNITIES, SOCIAL WORK WITH INDIVIDUALS, SOCIAL WORK WITH GROUP RESEARCH IN SOCIAL WORK: QUANTITATIVE APPROACHES, SOCIAL ACTION AND SOCIAL MOVEMENTS, RESEARCH IN SOCIAL WORK, QUALITATIVE APPROACHES, ADMINISTRATION OF WELFARE AND DEVELOPMENT SERVICES, SOCIAL JUSTICE AND EMPOWERMENT, SOCIAL DEVELOPMENT, MANAGEMENT OF DEVELOPMENT ORGANIZATIONS, HUMAN RIGHTS AND SOCIAL WORK PRACTICE, SOCIAL POLICY, URBAN COMMUNITY DEVELOPMENT, SOCIAL WORK PRACTICE IN MENTAL HEALTH SETTINGS, ORGANIZATIONAL BEHAVIOUR AND EMPLOYEE DEVELOPMENT, SOCIAL DEFENSE AND CORRECTIONAL SERVICES, RURAL COMMUNITY DEVELOPMENT, SOCIAL WORK WITH THE ELDERLY, ENVIRONMENT AND SOCIAL WORK, SOCIAL WORK WITH FAMILIES AND CHILDREN, OCCUPATIONAL SOCIAL WORK, SOCIAL WORK AND DISASTER MANAGEMENT, CONFLICT MITIGATION AND PEACE BUILDING, GENDER AND DEVELOPMENT, COUNSELING THEORY AND PRACTICE HIV/AIDS AND SOCIAL WORK PRACTICE, HEALTH CARE SOCIAL WORK PRACTICE SOCIAL WORK WITH PERSONS WITH DISABILITIES, ASPECTS OF APPLIED SOCIAL WORK IN HOSPITALS ETC.



### **INDICATIVE SYLLABUS FOR LIBRARIAN GR III**

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#### **English Language**

QUESTIONS IN THIS COMPONENT ARE DESIGNED TO TEST THE CANDIDATES UNDERSTANDING, CORRECT USAGE AND KNOWLEDGE OF ENGLISH LANGUAGE AND WILL BE BASED ON ERROR RECOGNITION, FILL IN THE BLANKS (USING VERBS, PREPOSITIONS ETC.), VOCABULARY, SPELLINGS, GRAMMAR, SENTENCE STRUCTURE, SYNONYMS, ANTONYMS, SENTENCE COMPLETION, PHRASES AND IDIOMS, ETC.

#### **Library Methods and Techniques**

**LIBRARY AND SOCIETY:** LAWS OF LIBRARY SCIENCE, TYPES OF LIBRARIES, LIBRARY ASSOCIATIONS, SYSTEMS AND PROGRAMMES, LIBRARY MOVEMENT AND LIBRARY LEGISLATION IN INDIA, ORGANIZATIONS AND INSTITUTIONS INVOLVED IN THE DEVELOPMENT OF LIBRARY AND INFORMATION SERVICES – UNESCO, IFLA, FID, INIS, NISSAT, ETC.

**LIBRARY MANAGEMENT:** COLLECTION DEVELOPMENT – TYPES OF DOCUMENTS AND SELECTION PRINCIPLES,

ACQUISITION PROCEDURE, ACQUISITION OF JOURNALS AND PERIODICALS, PREPARATION OF DOCUMENTS FOR USE, LIBRARY PERSONNEL AND LIBRARY COMMITTEE, LIBRARY RULES AND REGULATIONS, LIBRARY FINANCE AND BUDGET, PRINCIPLES OF LIBRARY MANAGEMENT, LIBRARY ORGANISATION AND STRUCTURE, USE AND MAINTENANCE OF THE LIBRARY – CIRCULATION, MAINTENANCE, SHELVING, STOCK VERIFICATION, BINDING AND PRESERVATION, WEEDING OUT ETC.

**LIBRARY CLASSIFICATION THEORY AND PRACTICE:** CANONS AND PRINCIPLES, LIBRARY CLASSIFICATION SCHEMES – DDC, CC, UDC.

**LIBRARY CATALOGUING THEORY AND PRACTICE:** CANONS AND PRINCIPLES; LIBRARY CATALOGUING CODES – CCC AND AACR.

**REFERENCE AND INFORMATION SOURCES:** BIBLIOGRAPHY AND REFERENCE SOURCES – TYPES OF BIBLIOGRAPHY; REFERENCE SOURCES – DICTIONARIES, ENCYCLOPAEDIAS, READY REFERENCE SOURCES, ETC.;

SOURCES OF INFORMATION – PRIMARY, SECONDARY, TERTIARY, DOCUMENTARY, NON-DOCUMENTARY; EDOCUMENTS, E-BOOKS, E-JOURNALS, ETC.

**INFORMATION SERVICES:** CONCEPT AND NEED FOR INFORMATION; TYPES OF DOCUMENTS; NATURE AND ORGANIZATION OF INFORMATION SERVICES, ABSTRACTING AND INDEXING SERVICES; COMPUTER BASED INFORMATION SERVICES – CAS, SDI.

**INFORMATION TECHNOLOGY: BASICS** INTRODUCTION TO COMPUTERS, USE OF COMPUTERS IN LIBRARY HOUSEKEEPING, LIBRARY AUTOMATION, SOFTWARE AND SOFTWARE PACKAGES, NETWORKS – DELNET, NICNET, ETC.; NATIONAL AND INTERNATIONAL INFORMATION SYSTEMS – NISSAT, NASSDOC, INSDOC, DESIDOC, ETC.



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**INDICATIVE SYLLABUS FOR SANITARY INSPECTOR GR II**

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KNOWLEDGE OF GENERAL SAFETY, OCCUPATIONAL HEALTH AND HYGIENE, WATER SANITATION, AIR SANITATION, REFUSE DISPOSAL, NIGHT SOIL DISPOSAL, SOLID, LIQUID WASTE DISPOSAL, SEWAGE DISPOSAL AND TREATMENT PLAN, BURIAL OF FUNERAL GROND, SOIL SANITATION, CONTROL OF BIOLOGICAL ENVIRONMENT, OCCUPATIONAL HEALTH, COMMUNICABLE AND NON-COMMUNICABLE DISEASES, HEALTH STATISTICS, PUBLIC HEALTH ADMINISTRATION, PUBLIC HEALTH ACTS, PERSONAL HYGIENE, HEALTH EDUCATION AND COMMUNICATION etc.



**INDICATIVE SYLLABUS FOR CSSD TECHNICIAN**

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1. CLASSIFICATION OF INFECTIOUS AGENTS AS BACTERIA, VIRUS ETC.
2. COMMON INFECTIONS THAT SPREAD BY VARIOUS HOSPITAL PROCEDURES AND INSTRUMENTS.
3. BLOOD BORNE DISEASES, HBS, HIV, HCV ETC.
4. DEFINITION OF TERMS-STERILIZATION, DISINFECTANT, ANTISEPTIC, SANITIZER, GERMICIDE, MICROBICIDAL AGENTS, MICRO BIOSTATIC AGENTS AND ANTIMICROBIAL AGENT.
5. EVALUATION ANTIMICROBIAL CHIME AGENTS-TUBE DILUTION AND AGAR PLATE TECHNIQUES-WELL METHOD AND DISKPLATE METHOD.
6. PHYSICAL METHODS OF CONTROL PRINCIPLE, CONSTRUCTION AND APPLICATION OF MOST HEAT STERILIZATION BOILING, PASTEURIZATION, FRACTIONAL STERILIZATION-TYNDALLIZATION AND MOIST HEAT UNDER PRESSURE AUTOCLAVE. DRY HEATSTERILIZATION-INCINERATION AND HOT AIR OVEN. FILTRATION –DIATOMACEOUS EARTH FILTER, SEITZ FILTER, MEMBRANEFILTER AND LAMINAR AIR FLOWS RADIATION IONIZING RADIATION Y RAYS AND NON-IONIZING RADIATION- UV-RAYS
7. CHEMICAL METHODS: ALCOHOL, ALDEHYDES, PHENOLS, HALOGEN, METALLIC SALTS, QUATERNARY AMMONIUM COMPOUNDS AND STERILIZING GASES AS ANTIMICROBIAL AGENTS. SELECTION OF A CHEMICAL AGENT FOR PRACTICAL APPLICATIONS. MODES OF ACTIONS OF THESE CHEMICALS.
8. DISINFECTION: - O.T FUMIGATION, ULTRAVIOLET DISINFECTION.
9. STERILISATION OF SHARP INSTRUMENTS,
10. USE OF ANTISEPTICS SPIRIT, CETAVELON, SAVLON, DETTOL, CARBOLIC ACID, BETADINE,
11. AUTOCLAVING: - TYPES OF AUTOCLAVE, WORKING, PRINCIPLES, METHODS AND DETAIL OF USE.
12. IDENTIFICATION OF COMMON INSTRUMENTS USED IN HOSPITAL LIKE VARIOUS OT INSTRUMENTS FOR SURGERY, DENTAL SURGERY ETC.
13. UNIVERSAL BIOSAFETY PROCEDURES
14. QUALITY ASSURANCE PROTOCOLS / METHODS IN CSSD.
15. MANAGEMENT OF SAFETY AND ACCIDENTS IN CSSD etc.