

Institute Of Management Studies,
Devi Ahilya Vishwavidyalaya, Indore
MBA (Hospital Administration) 5 Years

PROGRAM STRUCTURE

Code	Subject		Credit
MS6B-102	Business Statistics	Compulsory	3
MS6B-104	Basics of Community Medicine	Compulsory	3
MS6B-106	Introduction to Pathology and Microbiology	Compulsory	3
MS6B-108	Nutrition and Dietetics	Compulsory	3
MS6B-110	English	Compulsory	3
MS6B-112	Business Accounting	Compulsory	3
MS6B-114	IT Environment	Compulsory	3
MS6B-116	Health Environment	Compulsory	3
MS6B-152	Comprehensive Viva Voce		3*
	Total Credits		24+3*

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M.B.A. (HOSPITAL ADMINISTRATION) 5 Years
Batch 2021-24
Semester II

Subject Name	BUSINESS STATISTICS	Subject Code	MS6B-102
		Credit	03

Subject Nature: Skill Enhancement

OBJECTIVE: The objectives of the course are to teach important statistical tools to students so as to provide them exposure to rational decision process.

EXAMINATION:

The faculty member will award internal marks out of 40 based on three assessments of 20 marks each of which best two will be considered. The end semester examination will be worth 60 marks.

LEARNING OUTCOME:

After completion of this course students will be capable to understand Statistical tool and how to apply in business and other fields.

CONTENT

Unit-1	1.1 Simple Correlation and Regression Simple Regression and Simple Correlation, Trend Analysis using Regression line, Correlation Analysis
Unit-2	2.1 Time Series and its Components, Models of Time Series 2.2 Methods of Studying Components of Time Series: 2.3 Measurement of trend, Measurement of seasonal variations Measurement of cyclic variations
Unit-3	3.1 Index Numbers: Definition, uses, types Methods of constructing index numbers
Unit- 4	4.1 Sampling, Sampling methods, 4.2 sampling and non sampling errors
Unit- 5	5.1 Business Forecasting: Definition, Steps and methods 5.2 Theories of Business Forecasting

TEXT READINGS: (Latest Edition)

1. Business Statistics – J.K. Sharma, Pearson Education
2. Fundamental of Statistics, D.N. Elhance
3. Statistical Methods, Prof. S.P. Gupta
4. Statistics for Management, Prof. R.I. Levin
5. Statistics Theory, Methods and Applications, Sancheti and Kapoor

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Semester II

Subject Name	BASICS OF COMMUNITY MEDICINE	Subject Code	MS6B-104
		Total Credits	03

Subject Nature: CORE

Course Objective:

The objectives of this course are to enable students to learn and appreciate the significance of preventive and social medicine, necessary for hospital administrators.

Learning Outcome:

At the end of the course, the learner shall be :

- Aware of the physical, social, psychological, economic, and environmental health determinants of health and disease.
- Able to apply the clinical skills to recognize and manage common health problems including their physical, emotional and social aspects at the individual, family and community levels and deal with public health emergencies.

Examination Scheme:

The faculty member will award internal marks out of 40 based on three assessments of 20 marks each, of which best two will be considered. The end semester examination will be worth 60 marks having theory and case/practical problems.

Course Contents

Unit –1	1. Evolution of Medicine, Community Medicine and Public Health. 2. Levels of prevention and intervention 3. Modes of Transmission of diseases – communicable diseases Principles of Epidemiology
Unit-2 Waterborne Diseases	2.1 Typhoid, Cholera, Amoebiasis 2.2 Control and prevention of waterborne diseases
Unit-3 Droplet Infections (Air borne)	3.1 Mode of spread and control 3.2 Tuberculosis and National TB control program RNTCP
Unit – 4 Viral Disease	4.1 Chickenpox and Herpes zoster, 4.2 Measles, Poliomyelitis, Viral Hepatitis

Unit- 5 Diseases Transmitted through Vectors and their Control	5.1 Malaria and Modified malaria control program. 5.2 Filaria and Filaria control program
Unit – 6 Diseases Transmitted through Contacts	6.1 Leprosy – Leprosy Eradication Program 6.2 Sexually Transmitted Disease – Transmission and Control 6.3 Syphilis, Gonorrhoea, LGV, Chancroid, Treatment and Control 6.4 AIDS, Hepatitis B, Trachoma.
Unit – 6 Nosocomial Infection	6.1 Hospital acquired infection
Unit – 7 Disposal of Waste	7.1 Non communicable diseases, Hypertension, Heart disease, Diabetes Mellitus, cancer, Accidents 7.2 Family welfare services, Population control, Reproductive and child health program 7.3 ICD concept and need
Unit – 8 Misc.	8.1 Tetanus
Learning Resources:	
Text Reading :	
K. Park. “ Text Book of Preventive and Social Medicine”, X VIIth Edition	

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Semester II

Subject Name	INTRODUCTION TO PATHOLOGY & MICROBIOLOGY	Subject Code	MS6B-106
		Credit	03

Subject Nature: Core

COURSE OBJECTIVE :

The aim of the course is to enable students to have a good understanding of Pathology & Microbiology necessary for hospital administration. The students at the end of the semester should be able to: Acquire the necessary knowledge. To appreciate the laboratory investigations to be done in a given simulated clinical problem. Appreciate the underlying principles of pathology/microbiology involved in a laboratory investigation and its application to diagnosis of the disease in question. Identify abnormal from normal values of common investigations & appreciate the difference between laboratory investigations done for screening, definitive diagnosis and those done for monitoring the course of the disease.

LEARNING OUTCOME:

At the end of the course students should be able to: To understand latest practices in Pathology & Microbiology

EXAMINATION SCHEME:

The faculty member will award internal marks out of 40 based on three assessments of 20 marks each of which best two will be considered. The end semester examination will be worth 60 marks.

COURSE CONTENT

Unit-1	<p>1.1 Inflammation acute & chronic 1.2 Neoplasia : aetiology, clinical types and clinical course of disease. 1.3 Haemo-stasis : Hemorrhage, shock & thrombosis . 1.4 Basics of Immune system and its role in aetiology and prevention of Disease 1.5 Respiratory System:Pulmonary tuberculosis and sputum examination. Carcinoma of lung. Bronchial asthma 1.6 Neoplasia : aetiology, clinical types and clinical course of disease. Haemo-stasis : Hemorrhage, shock & thrombosis</p>
Unit-2	<p>2.1 Diseases of GIT and Liver: Infectious hepatitis. Infectious diarrheas. ,Peptic Ulcer 2.2 Genito-urinary Tract: urinary tract infections; Nephritis, Renal failure Pathology of venereal diseases , including AIDS</p>

Unit-3	<p>3.1 Laboratory Investigations: Various profiles like Pyrexia, Lipid, Cardiac, Renal ,Hepatic ,Fertility, Obesity ,Cancers & hematological etc.</p> <p>3.2 Principles of Blood Banking.</p> <p>Pathology of some common diseases .Coronary Heart Disease, cerebro-vascular accidents, hypertension ..Diabetes mellitus</p>
Unit-4	<p>Microbiology & Parasitology:</p> <p>4.1 Parasitology , with special emphasis on the prevailing parasitic diseases of India specially Plasmodium, Amoeba & Giardia, Ascaris, Enterobius, Taenia, Woucheria , Dracunculus,Hydatid etc.</p> <p>Morphology and Physiology of bacteria, fungi and viruses.</p>
Unit-5	<p>5.1 Introduction to microbe's Standard microbial laboratory processes and methods.</p> <p>5.2 Major bacterial, fungal and viral diseases and their findings.</p> <p>Drugs of Microbial origin.</p>
Unit-6	<p>Basic Immunology</p> <p>6.1 Immunity</p> <p>6.2 Antigen</p> <p>6.3 Antibodies</p> <p>6.4 Immune Response</p> <p>6.5 Immune deficiency& hypersensitivity</p>
<p>Learning Resources:</p> <p>Text Books. (Latest Edition)</p> <ol style="list-style-type: none"> 1. Basic Pathology Robin 5th ed. 1992 W.B. Saunders 2. Walter and Israel: General Pathology, 6th ed. Churchill andLivengstone. 3. Hand book of resource material for II Prof. MBBS students of Pathology preparedby Dept. of Pathology MGM Medical College, Indore. 4. Hand book of laboratory Investigations. Microbiology by Ananthnarayan Parasitology 	

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Semester II

Subject Name	Nutrition & Dietetics	Subject Code	MS6B-108
		Credit	03

Subject Nature: Core

OBJECTIVE : The objective of the course is to enable students to have a good understanding of Nutrition & Dietetics as is necessary for a Hospital Administrator.

EXAMINATION:

The faculty member will award internal marks out of 40 based on three assessments of 20 marks each of which best two will be considered. The end semester examination will be worth 60 marks.

LEARNING OUTCOME:

At the end of the course students should be able to: To understand latest practices in Nutrition and dietetics

CONTENT

Unit-1	<p>Health food & nutrition - An introduction.</p> <p>(a) The concept of health. (b) Definition of nutrition, nutrients, nutritional status and nutritional care. (c) Classification of nutrients. (d) Five major food groups, functions of food. (e) Meal planning. Balanced diet.</p>
Unit-2	<p>The Nutrients-</p> <p>(a) Introduction, composition, properties, specific function sources, R.D.A of macro and micro nutrients. (1) Proteins (2) Carbohydrates (3) Lipids (4) Minerals (5) Vitamins and their metabolism. (b) Water and electrolyte balance.</p>
Unit-3	<p>(a) An overview of digestion, absorption, transport and utilization of nutrients in the body. (b) Energy metabolism: Basal Metabolic Rate, factors affecting BMR</p>
Unit-4	<p>Malnutrition and Deficiency diseases.</p> <p>(a) Malnutrition :- causes, hazards and symptoms of under nutrition. (b) Protein calorie malnutrition: marasmus and kwashiorkor. (c) Vitamin Deficiency:- vit. A,D, and deficiency of the B group. (d) Deficiency of iron - Anemias.</p>
Unit-5	<p>DIETETICS</p> <p>a. Therapeutic modification of the Normal diet :</p> <p style="padding-left: 40px;">a. Purpose of modified diets. b. soft diet Liquid diet - clear fluid diet & Full fluid diet.</p> <p>b. Diet in other diseased states :</p> <p>Over weight - Low calorie diets/Obesity</p>

	<p>Dietary consideration in Infections & Feves. Diet in diseases of stomach & G.I. Tract Peptic ulcer, diarrhoea, dysentery - Low Residue diet/High Fiber diet. (4) Diet in disturbances of the Liver- high Protein/High carbohydrate / Fat restricted diet Diet in Diabetes Mellitus. (5) Dietary management of acute & chronic Diseases of the heart :- sodium and fat restricted diet. (6) Diet in diseases of the kidney : controlled protein potassium, sodium diet. (7) Nutrition in surgical conditions :- Tube feedings, high protein, high fat, Low CHO diet.</p>
<p>Unit-6</p>	<p>Role of Dietician in the hospital set up i) where food is provided by the hospital and ii) where food is not catered by the organization An introduction to food service system and their development Food service systems -Planning and operations :-</p> <ol style="list-style-type: none"> a. Layout and equipments. b. Menu planning. c. Food purchasing d. Receiving and store room management e. Prerequisites for Hygienic Bulk Food production f. Food production: g. i) Management of Quality and Quantity food ii) Kitchen productions iii) Quantity control iv) Quality control h. Delivery and service of food in different systems. (Centralized and Decentralized i. food distribution) j. Maintenance & Sanitation. k. Energy and time management. l. Food acceptability and sensory evaluation. m. Infection Control □ Pest Control
<p>Text Reading:</p>	
<ol style="list-style-type: none"> 1. Shrilaksmi, Nutrition & Dietetics, latest edition 2. Shubhangini Joshi, Nutrition & Dietetics, latest edition 3. N. Swaminathan, Food and Nutrition, latest edition 	

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Subject Name	English	Subject Code	MS6B-110
SUBJECT NATURE : ABILITY ENHANCEMENT			
OBJECTIVE : The objectives of the course are to enable students to learn and to have a good working practice of English.			
EXAMINATION: The faculty member will award internal marks out of 40 based on three assessments of 20 marks each of which best two will be considered. The end semester examination will be worth 60 marks.			
LEARNING OUTCOME: After completion of this course students will be capable to understand English language			
CONTENT			
Unit-1	Prose (A.G. Gardiner) 1. On Saying 'Please' 2. On Habits 3. On Courage 4. On Fear 5. On Keyhole Morals.		
Unit-2	Poetry 1. On His Blindness – John Milton 2. It is not Growing Like a Tree – Ben Jonson 3. Elegy Written in a Country Churchyard – Thomas Gray		
Unit-3	English Grammar& Usages		
Unit-4	Concord; Agreement of the verb with its subject, structure of sentence, Element of a series, Active & Passive Voice, Reported Speech		
Unit-5	Paragraph Writing		
Unit-6	Precis-Writing		
Unit-7	Letter & Application – Writing		
Unit-8	Essay Writing		
Text Books: (Latest Edition) 1. Kumkum Bhardwaj, Professional Communication , I.K. International Publication, New Delhi 2. Solomon Ambuchelvan , What is what of English , Acme Learning 3. Deepshikha Jain , Communicative English Parshva Publishers 4. Rajshri Dewan , English and Business communication Acme learning			

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Semester II

Subject Name	Business Accounting	Subject Code	MS6B-112
Subject Nature: Generic			
OBJECTIVE: The objective of this course is to help students to acquire basic accounting concepts and use them as a tool of decision making.			
EXAMINATION : The faculty member will award internal marks out of 40 based on three assessments of 20 marks each of which best two will be considered. The end semester examination will be worth 60 marks.			
LEARNING OUTCOME: After completion of this course students will be capable to understand Accounting practices and how to apply in business and other fields.			
CONTENT			
Unit-1	Introduction to Accounting: Meaning of Accounting, The process of Accounting, Advantages of Accounting, Financial Accounting, Financial Statements, Uses of Financial Statements, and Limitations of Accounting. Relationship with other functional areas.		
Unit-2	Accounting concepts and Mechanics: Generally Accepts Accounting Principles (GAAP), Basic Concepts, Concepts of Double entry system of accounting rules of debit credit entries, types of accounts, Journalizing the transactions, posting entries in ledger accounts and concept of trial balance, Cash Books, Subsidiary Books.		
Unit-3	Preparation of Financial Statements, Trading Account, Profit and Loss Account, Balance Sheet and Adjustment Entries.		
Unit-4	Bank Reconciliation Statement.		
Unit-5	Depreciation: Meaning, Objectives, Methods of Depreciation		
TEXT READINGS: (Latest Edition) 1.T.S.Grewal, Introduction to Accountancy , Sultan and Sons, New Delhi. 2. T.S.Grewal, Double Entry System of Book Keeping, Sultan Chand and Sons 3.Maheswari, Financial Accounting, Vikas Publications, New Delhi.			

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Semester II

Subject Name	INFORMATION TECHNOLOGY ENVIRONMENT	Subject Code	MS6B-114
		Credit	03

Subject Nature: Generic

COURSE OBJECTIVE :

The objectives of the course is to provide the students basic concepts of information technology and its applications so as to enable them to make more efficient use of IT.

LEARNING OUTCOME:

After completion of this course students will be capable to understand Information Technology practices and how to apply in business and other fields.

EXAMINATION SCHEME:

The faculty member will award internal marks out of 40 based on three assessments of 20 marks each of which best two will be considered. The endsemester examination will be worth 60 marks.

COURSE CONTENT

Unit-1	<ul style="list-style-type: none"> 1.1 Information Technology Concept 1.2 Definition, Characteristics and interpretation 1.3 Data its logical and physical concepts 1.4 Technology and its relevance in information age Interpretation and elaboration of IT
Unit-2	<p>Fundamental of Communication Technology Media of Communication</p> <ul style="list-style-type: none"> 2.1 Guided and Unguided media 2.2 Data transmission rate 2.3 Channel capacity 2.4 Transmission impairments 2.5 Signal and Noise 2.6 Encoding / Decoding 2.7 A to D A& D to A conversion 2.8 Modulation 2.9 Multiplexing 2.10 FDM 2.11 TDM

Unit-3	3.1 Communication Techniques 3.2 Circuit Switching Message switching packet switching-Their advantages &disadvantages
Unit-4	4.1 Internet Basics & extended services 4.2 www, hypertext http 4.3 search engines 4.4 internet applications 4.5 types of internet connection h/w & s/w requirements
Unit-5	5.1 Multimedia Introduction Tools 5.2 Graphics 5.3 Sound 5.4 Video Animation
Unit-6	Artificial Intelligence Basic Concept of Artificial intelligence and Expert system.
Unit-7	Exposure to application IT in various area of management function & corporate world.

Learning Resources

Text Books: (Latest Edition)

1. The Internet Complete – Pearson Education
2. The Internet Book – Douglas e-Commerce, PHI
3. Multimedia Making Work – Tayvauchan, Tata McGraw Hill.
4. Computer Today – Suresh Basandra, Galgotia Publication.
5. Computer Networks – Andrews Tanehbaum, PHI

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Semester II

Subject Name	HEALTH ENVIRONMENT	Subject Code	MS6B-116
		Total Credits	03

Subject Nature: CORE

Course Objective:

The objectives of this course are to enable students to learn and appreciate the significance of health and healthcare environment which is necessary for hospital administrators.

Learning Outcome:

At the end of the course, the learner shall be :

- Aware of the physical, social, psychological, economic, and environmental health determinants of health and disease.
- Able to apply the clinical skills to recognize and manage common health problems including their physical, emotional and social aspects at the individual, family and community levels and deal with public health emergencies.

Examination Scheme:

The faculty member will award internal marks out of 40 based on three assessments of 20 marks each, of which best two will be considered. The end semester examination will be worth 60 marks having theory and case/practical problems.

Course Contents

Unit –1	<ol style="list-style-type: none"> 1. Private Healthcare Organization 2. Clinics, 3. Day Care Center 4. Nursing Homes 5. Hospitals of different Health Care level
Unit-2	<ol style="list-style-type: none"> 1. Health Insurance Sector, TPA 2. Health Tourism 3. Health Care Retailing 4 Market Failures of Health Insurance
Unit-3	<ol style="list-style-type: none"> 1. Health Economics 2. Demand/Supply 3. Macro/Micro production function 4 Rural/ Urban difference 5. Economic Viability Concepts 6. Pricing Concepts 7. Cost Benefit Analysis , Cost Effectiveness Analysis , 8. Contribution to National Economy

Unit – 4	Public Health - 1 National Health Programs 2. Success/ failures of NHP 3. Roles of NGO's 4. Government sector Healthcare working Annual Budget Allocation and Utilization V/ s 5 years Plan
Learning Resources: Text Reading : 1. Park K, Text Book on Hygiene and Preventive 2. Banarsidas, Bhanoy. Park K, Text Book on Hygiene and Preventive 3. Deimer, Introduction to Health Services, New York, 4. Schultz R.J. Management of Hospitals, McGraw Hill, New York, 5. A.V.(ed), Managing a Modern Hospital, Response Books, New Delhi	