Maharashtra University of Health Sciences, Nashik

COMMON SYLLABUS FOR FIRST YEAR OF ALL BACHELOR OF PARAMEDICAL TECHNOLOGY (BPMT) COURSES

Common Syllabus for 1st Year BPMT courses

Paper	Section	Subject	Periods in hours		
			Theory	Practical	Total
Paper - I	A	**Anatomy**	20	20	**40**
	B	**Physiology**	22	18	**40**
	C	**Biochemistry**	30	10	**40**
Paper - II	A	**Micro-Biology**	22	18	**40**
	B	**Pathology**	22	18	**40**
	C	**Forensic Medicine**	16	14	**30**
		Pharmacology	06	--	**06**
Paper - III	A	**General Medical & Surgical Nursing**	30		**30**
	B	**Health & Sanitation**	26		**26**
	C	**PSM i.e. Role of Paramedics in Medical & Surgical Emergencies**	9		**30**
		Community organization	5		
		Hospital Management	16		
Passing Basic computer course from M H C I T/ CDAC/govt recognised institute		**Information Technology**	60		**60**
				Total	**382**

* Educational Visits as :-

1) Water Treatment Plan - **3**
2) Sewerage treatment Plant - **3**
3) Bio-medical waste management - **3**

Teaching hrs - 9

Total Teaching hrs = 382 + 9 = 391

Per day working in teaching areas: **03 hrs.**
Per day posting in laboratory & hospital areas: **02hours**

Total working days: **240**
Actual Examination days **- 10**
Actual working days **= 230**

Paper – I Sec (A)

Syllabus for ANATOMY

Sr. No.	Syllabus Theory Demo.	Theory	Demo.
1	Bones of Superior extremity		1 hr.
2	Bones of Inferior extremity		1 hr.
3	Bones of Skull		1 hr.
4	Bones of Neck, Thorax, Abdomen		1 hr.
5	Joints Classification with Example.	1 hr.	
6	Respiratory System	1 hr.	
7	Heart	1 hr.	
8	Organs of Thorax		2 hrs.
9	Abdomen Lectures / Organs in Abdomen	3 hrs.	3 hrs.
10	Pelvic Organs	1 hr.	2 hrs.
11	Nervous System	3 hrs.	2 hrs.
12	Sense Organs Eye, Ear & Skin	2 hrs.	
13	Endocrine glands	1 hr.	1 hr.
14	Muscles of Body		4 hrs.
15	Museum Technology	1 hr.	2 hrs.
16	Embryology & Genetics	3 hrs.	
17	Tongue, oral cavity, larynx, pharynx nasal cavity	3 hrs.	
	Total	**20 hrs.**	**20 hrs**
	Exam		
	Total Hrs.	**40 hrs.**	

Paper – I Sec (B)

Syllabus for PHYSIOLOGY

		No. of lectures.
1.	**General Physiology** : Organization of Human body, Homeostasis, cell, Transport Mechanisms	1
2.	**Nerve Muscle :** i) Nerve Fiber – Classification, Properties, Action potential ii) Muscle – Classification, Mechanism of contraction, Neuromuscular transmission.	2
3.	**Blood** : i) Composition and functions of blood Lymph ii) RBC Blood groups iii) WBCS, Immunity iv) Platelets, Blood coagulation	2
4.	**Respiratory System.** : i) Organization & functions of Respiratory System, Mechanism of Respiration ii) Transport of O_2, CO_2, Regulation of respiration iii) Hypoxia, Asphyxia, Pulmonary function tests	2
5.	**Digestive system** i) Organization of digestive system, Functions of various components. Salivary, Gastric, Pancreatic Secretion. ii) Function of liver, small intestine and large intestine	2
6.	**Cardio Vascular System** i) Organization and functions of C.V.S, Heart cardiac impulse, Cardiac Cycle, Heart sounds, ii) Blood pressure iii) Haemorrhage, shock iv) Cardiac output, Arterial pulse	2
7.	**Endocrine glands**, (i) Hormones, Hypothalamus, Anterior & Posterior Pituitary ii) Thyroid, Parathyroid iii) Pancreas, Adrenal Cortex	2
8.	**Excretory system** : i) Formation of Urine ii) Micturition, Renal function tests	2
9.	**Reproductive system** i) Male reproductive system ii) Female reproductive system	2
10	**Special Senses** i) Vision, Smell ii) Hearing, Taste	2
11	**Nervous System** i) Organization of nervous system ii) Sensory system iii) Motor system iv) Brain v) Autonomic nervous system	3
	Theory Total	**22 hrs.**

Physiology Practicals:

Topics	Hours
1. Hemoglobin estimation	1
2. Total RBC Count	2
3. Total WBC Count	2
4. Differential WBC Count	2
5. Platelet Count	1
6. Reticulocyte Count	1
7. Blood groups	1
8. Bleeding time & Clotting time	1
9. ESR, PCV	1
10. Arterial Pulse	1
11. Blood Pressure	1
12. ECG (Electrocardiogram)	1
13. Spirometry & PFT	1
14. EEG (Electroencephalogram)	1
15. Semen Analysis and Pregnancy tests	1

Total - 18 hours

Practical Total 18 hrs.

Theory Total 22 hrs.

Theory + Practical total **40 hrs.**

Paper – I Sec(C)

Syllabus for BIOCHEMISTRY

		No. of lectures.
1.	**Introduction and scope of biochemistry**	1
2.	**Chemistry of carbohydrates, proteins, lipids and nucleic acid**	
	i) Carbohydrate : Structure, properties, chemical reactions and functions.	2
	ii) Amino acid : Essential and nonessential amino acids with structure and function.	1
	iii) Proteins: Definition, Classification, Structure of Proteins, Denaturation of Proteins, Primary, Secondary Tertiary and Quaternary (overview)	1
	iv) Lipids: classification and properties. Introduction, Simple Lipids, Compound Lipids, Derived Lipids, Essential Fatty Acids.	2
	v) Nucleic acid : Structure of purine and pyrimidine bases, nucleotides and nucleosides. DNA and RNA : structure and properties.	2
3.	Elementary knowledge of enzymes: Classification, mechanism of enzyme action, Enzyme inhibition, enzyme specificity. Role of coenzymes	2
4.	Brief concept of biological oxidation: Electron transport chain. Inhibitors and uncouplers briefly.	1
5.	Outline of digestion, absorption and metabolism of carbohydrate, proteins and fats.	2
	i) Carbohydrate metabolism :- Glycolysis, TCA cycle, Glycogen metabolism Regulation of Blood Glucose Concentration, Diabetes Mellitus, Glycosuria.	2
	ii) Proteins : General amino acid reactions. Transamination, decarboxylation, deamination. Urea cycle.	2
	iii) Lipid metabolism: Cholesterol metabolism, Ketone bodies formation and breakdown	2
	iv) Nucleic acid metabolism : Purine catabolism	1
6.	Importance of some minerals- sodium, potassium, calcium, phosphorous, iron, copper, chloride, fluoride.	2
7.	Nutritional aspects of carbohydrates, fats, proteins, balanced diet.	2
8.	Introduction to medical lab technology: General introduction Role of medical lab technologists, and responsibility, safety measures and first aid. Cleaning and care of general laboratory glassware and equipment. Elementary knowledge of analytical biochemistry. Principles, functions and uses of balances, centrifuge machines, colorimeters.	2

9.	Collection and recording of biological specimens, separation of serum plasma preservation and disposal of biological samples/materials.	1
10.	Standard solutions: Various std. solutions used , their preparation ; storage of chemicals .	1
11.	Units of measurements: S.I units: Definitions, conversions; Measurement of volume : Strength , Normality ,Molarity, Molality Definitions:Mole, molar and normal solutions (preparation, Standardization), pH (Definition ,Pka value, Example, importance of Henderson-Hasselbalch equation); Buffer solutions(Definition, preparation of important solutions), pH indicators (pH papers , universal & other indicators); pH measurement :different methods (pH paper, pH meter, principle of pH meter, structure, working and maintenance.	2
	Total Hrs.	**30**

	<u>Practical and demonstration:</u> Maintenance of laboratory, quality control, and first aid Cleaning of glassware Preparation of various solutions Single pan balance, Operation and maintenance pH- meter components Handling of colorimeters. Distillation of water. Serum electrolytes Na.K.Cl. Demonstration of semi automated / fully automated blood analyzers. Blood gas analyzer, Elisa reader. Demonstration of disposal of laboratory waste product and infected material.	10
	Total	**10 lect.**

Syllabus for MICRO-BIOLOGY

Paper – II (A)

Pattern of Theory Paper *:.*

The questions should be technique oriented. It is more important for the candidate to know how to reach final identification of an organism, rather than be able to discuss clinical aspects of the disease.

Portion for Theory *:*

Sr. No.	Syllabus	Theory	Demo.	Total
1.	Laboratory Management and Planning. The reception and recording of specimen, cataloguing and indexing maintenance of laboratory records.	1	1	2
2.	A knowledge of working and maintenance of the following Incubators, Refrigerators, Water baths, Ovens, Steamers, Autoclaves, Inspi ssator, Centrifuges, Vaccum Pumps, Water Steel. Cleaning and sterilization of syringes and needles. Simple glass wares.	1	3	4
3.	Sterilization : Methods of sterilization and their uses. Chemical, dry heat, steam sterilization, Tyndalisation, filtration, sterilization by ultra-violet light.	2	1	3
4.	Care and use of microscope. Dark ground illumination, fluorescence and microscopy.	1	1	2
5.	Cultural Methods: Preparation and sterilization of media. Inoculation and examination of inoculated plates. Antibiotic sensitivity testing, basic techniques of plating and preparation of antibiotic discs.	2	2	4
6.	Systemic Bacteriology : The general principles of the methods employed in identifying an unknown organism. Elementary knowledge of common pathogenes. Technique oriented examination of specimens such as pus, urine, stool, sputum, throat swab.	4	3	7
7.	Parasitological techniques and elementary knowledge of life cycle and lab. diagnosis of common parasites.	2	1	3
8.	Introduction to virology techniques.		1	1
9.	Miscellaneous: Methods of preservation of cultures, maintenance of stock cultures, disposal of infected material and culture media.	1		1
10.	Serological Methods: Methods of performing agglutination, precipitation tests. General knowledge of antigen antibody reactions.	2	1	3
11.	Mycology as related to Candida and Dermatophytes.	1	1	2
12.	Bacteriological examination of food and water.	1	1	2
	Total	**18 + 16**		**34**

PRACTICAL COURSE

The candidates should—

Sr. No.	Particular	Number of Practical
1	be able to identify common Gram positive and Gram negative organism by the routine methods from clinical samples.	1
2	be able to prepare commonly used media and identify them.	1
3	be able to do a routine stool examination and identify common parasites.	1
4	be able to do common serological tests in the laboratory e.g. Agglutination tests, e.g. Widal, and latex (Passive) Agglutination based serological test and precipitation tests like VDRL.	2
5	They should be able to identify and know the working of commonly used equipment in the Microbiology laboratory.	1
	Total Practical	6 hrs.
	Total Theory	34 hrs.
	Practical + Theory	**40 hrs**

Syllabus for PHARMACOLOGY

(Not included for examination)

Sr. No	**Topic**	**No. of lectures.**
1	Introduction, routes of drug administration,	1
2	Routes of Administration	1
3	PharmacoKinetics	1
4	Pharmacodynamics	1
5	Adverse Drug effect	1
6	Legal aspects of drugs	1
	Total	**6**

Syllabus for PATHOLOGY

Paper – II

Section - (B)

Sr. No.	Topic	No. of lectures	Number of Practical	Total
1	Introduction to Pathology	01	--	01
2	Working and maintenance of instruments	02	01	03
3	General principles of Histopathology techniques collection, fixation, processing & routine staining	03	03	06
4	General principles of Cytopathology techniques collection, fixation, processing & routine staining	02	02	04
5	General principles of Haematology techniques collection, fixation, processing, routine staining, Haemoglobin, TLC, DLC, Peripheral smear, automatic cell counter	03	03	06
6	General principles of Clinical Pathology techniques sample collection, processing for routine test, normal urine & urine examination	03	03	06
7	General principles of Blood Bank techniques antigen, antibody, ABO & Rh system	03	03	06
8	General principles of Autopsy & Museum	02	01	03
9	General Pathology including introduction to inflammation, circulatory disturbances & neoplasia	02	--	02
10	Systemic pathology basis and morphology of common disorders like anemia, leukemia, AIDS, TB, Hepatitis & malaria	02	--	02
11	Maintenance and medico legal importance of records and specimens	01	--	01
	Total	**24 + 16**		**40**

Syllabus for FORENSIC MEDICINE

Paper – II

Section - (C)

Sr. No.	Particular	lectures	Demo	Total
1	Introduction to Forensic Medicine & Medico legal work (Definition, Scope, Application, Importance), Death Declaration & Certification.	3	--	3
2	Medico legal Autopsy(Definition, prerequisite procedures, Related laws, protocol, Documentation)	2	--	2
3	Observation, Preservation, Dispatch of the evidence material in c/o M.L. Autopsy	--	2	2
4	Clinical Medico legal cases(Types, Definition, Brief introduction to procedures & Documentation, Related laws)Cases :- sexual Assault, Injuries, alcoholics, Age determination, Potency, Psychiatry, Burns, poisoning cases	6	--	6
5	Medico legal Record keeping & Medico legal formats.		2	2
6	Laws Related to Medico legal practice Mental Health Act, Organ Transplantation Act, Corneal Grafting Act, Human Rights Act, Narcotic Drugs & Psychotropic Substances Act, MTP Act, PCPNDT Act, Relevant sections of I.P.C, Cr.P.C & I.E.A.	3	--	3
7	Disaster Management (Medico legal Aspects) Definition, Scope, Formats & co-ordination.	2	--	2
8	Visit to the Autopsy Section, Casulty, Pathology, Microbiology, Radiology, O.T. Medico legal Record Section & Forensic Science Laboratory (Only Brief Introductory Visits)	--	10	10
	Total	**16 + 14**		**30**

Paper – III Sec (A)

Syllabus for GENERAL MEDICAL & SURGICAL NURSING

Sr. No.	Particulars	Lectures cum Demonstration as per need
1	First aid and its scope	1
2	Artificial respiration & cardiac massage	1
3	First aid for Asphyxia poisoning unconsciousness	1
4	Observation of Stool, Urine & examination of Urine	1
5	Evacuation enema, retention enema, gastric lavage, cathrerization	1
6	Administration of oxygen, aspiration of fluid, infusion transfusion	1
7	Preparation of patient for pyelography	1
8	Preparation of patient for pyelography	1
9	Barium meal X-ray	1
10	Barium enema	1
11	Self protection & discharge of patient from ward	1
12	Definition & classification of dressing, application of roller bandage, triangular bandage and sling	1
13	Splint and their usage, Thomas splint, other splint	1
14	Causes of bleeding, types of bleeding and its first aid	1
15	Types of wounds	1
16	Gun shot wound, abdominal wound and first aid treatment	1
17	Causes & clinical features of fractures and dislocations	1
18	First aid treatment for fractures, dislocation & sprain	1
19	Visit to accident and emergency department	1
20	Visit to ICU	1
21	Visit to Surgical ward	1
22	Visit to Medical ward	1
23	Visit to operation theatre	1
24	Visit to orthopaedic ward & theatre	1
25	General surgical procedures	1
26	Abdominal surgical procedures	1
27	Miscellaneous surgical procedures	1
28	Orthopaedic nursing	1
29	Preparation of patient fro operation	1
30	Post- operative nursing care	1

Paper – III Sec (B)

Syllabus for HEALTH & SANITATION

Sr. No.	Particulars	Lectures cum Demonstration as per need
1	Introduction to Hygiene and Sanitation	1
2	Introduction to positive health	1
3	Personal hygiene	1
4	Effects of heat and cold on human body	1
5	Ventilation, lighting and housing	1
6	General principles of control and prevention of communicable diseases	1
7	Control and prevention of air borne diseases	1
8	Control and prevention of water borne diseases	1
9	Control and prevention of important surface infections	1
10	Immunity and immunization schedule	1
11	Sexually transmitted diseases	1
12	Balanced diet, principle items of food and their functions	1
13	Vitamin, mineral salts and their deficiency diseases	1
14	Food poisoning	1
15	Adulteration of food	1
16	Food preservation	1
17	Sources of water supply	1
	Purification of water	
	Horrock's test	
	Sampling of water and its purpose	
18	Various types of refuse and its Disposal	1
19	Disposal of sewage	1
20	Introduction to Entomology (Insects of medical importance)	1
21	Disinfections and disinfestations & antiseptics	1
22	Drug addiction, alcoholism, tobacco-chewing and smoking	1
23	Accidents and their prevention	1
24	Family planning & Family welfare programme	1
25	National Health Programme	2
	Total :	**26**

Paper –III Sec (C)

Syllabus for ROLE OF PARAMEDICS IN MEDICAL & SURGICAL EMERGENCIES, COMMUNITY ORGANIZATION & HOSPITAL MANAGEMENT

Sr. No.	Particulars	Lectures cum Demonstration as per need
	ROLE OF PARAMEDICS IN MEDICAL & SURGICAL EMERGENCIES	
1	Management of Shock	**9**
	Management of Haemorrhage	
	Management of Asphyxia	
	Management of Injuries	
	Management of Fractures	
	Management of APH & PPH	
	Management of Effects of Heat	
	Management of Poisoning	
	Management of Snakebite	
	Management of Syncope	
	Management of Myocardial Infarction	
	Management of Dehydration	
	Management of Paediatric Emergencies	
	Management of Anaphylaxis	
	Management of Head, Spine & Chest Injuries	
	COMMUNITY ORGANIZATION	
1	Characteristics of child hood, adult hood and old age	1
2	The rights and responsibilities of an individual in society	1
3	The family and its basic needs	1
4	Standard of living, per capita income and budgeting of family	1
5	Growth of population, its effect on economy and population control	1
	Total :	**14 hrs**
	HOSPITAL MANAGEMENT	
1	**Medical documentation**	
	(a) Admission to hospital	1
	(b) Discharge from hospital	1
2	Entitlement of personnel for Treatment in hospital	1
3	Entitlement of personnel for use of ambulance	1
4	Routine ward work	1
5	**Medical stores**	
	(a) Classification of medical stores	1
	(b) Maintenance of medical stores	2
	(c) Internal demanding and accounting procedures	2
6	Internal demanding and accounting procedures of Medical equipments and other stores	2
7	**Hospital diets**	
	(a) Hospital diets, extras and diet sheets	2

	(b) International code of disease	1
8	Medical boards	2
9	Patient safety	2
10	Bio Medical waste management	2
11	Disaster Management	2
12	Medical Records	7
	Total :	**25 hrs**

Syllabus for INFORMATION TECHNOLOGY

(Not included for examination)

INFORMATION TECHNOLOGY		
INTRODUCTION TO COMPUTER		
1	Function and components of a computer	2
2	Types & characteristics of computers	1
3	Input and Output devices	1
4	Auxiliary storage devices	1
INTRODUCTION TO WINDOWS		
1	Starting Windows	1
2	Handling the mouse & windows controls	1
3	Using menus and dialog boxes	3
INTRODUCTION TO MS OFFICE		
1	Microsoft Word	3
2	Basic	1
3	Working with text	3
4	Mail Merging	3
5	Previewing and Printing a Documents	1
6	Microsoft Excel	3
7	Introduction to Electronic Spreadsheets	1
8	Excel Basics	2
9	Formatting the worksheet	3
10	Formula, Function and Graph	2
11	Microsoft PowerPoint	3
12	Introduction to Presentations	2
13	Presentation Basics	3
14	Presentation Packages	5
15	Menus and Toolbars	2
16	Editing, Formatting and Displaying	5
INTRODUCTION TO TYPING		
1	Teaching Typing	2
2	Practical	6
	Total	**60**

Examination Pattern

Paper	Subject	IA Theory	Theory	Theory + IA	IA Practical	Practical	Practical + IA	Subject Total
Paper I				Max : 120 Min : 60			Max : 120 Min : 60	Max : 240 Min : 120
	Section A : Anatomy	20	34	120	20	34	120	240
	Section B : Physiology		33			33		
	Section C : Biochemistry		33			33		
Paper II				Max : 120 Min : 60			Max : 120 Min : 60	Max : 240 Min : 120
	Section A : Microbiology	20	34	120	20	34	120	240
	Section B : Pathology		33			33		
	Section C : Forensic Medicine		33			33		
Paper III				Max : 120 Min : 60			Max : 120 Min : 60	Max : 240 Min : 120
	Section A : General Medical & Surgical Nursing	20	34	120	20	34	120	240
	Section B : Health & Sanitation		33			33		
	Section C : Role of paramedics in Medical & Surgical Nursing , Community Organization & Hospital Management		33			33		

Subject Code : 65001

Faculty with Year : FIRST BPMT (ALL SPECIALITY)

Subject : ANATOMY, PHYSIOLOGY & BIOCHEMISTRY

Paper : I

Total Marks : 100 **Time : 3 Hours**

Instructions:-

1) Use **blue/black** ball point pen only.
2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
3) All questions are compulsory.
4) The number to the right indicates full marks.
5) Draw diagrams wherever necessary.

SECTION A - ANATOMY (34 – MARKS)			
Question No.	**Question Description**	**Division of Marks**	**Total Marks**
1.	Brief Answer Question (Any 4 out of 7) a) b) c) d) e) f) g)	4X 5	20
2.	Long Answer Question (Any 1 out of 2) a) b)	1 X 14	14

SECTION B – PHYSIOLOGY (33 – MARKS)			
1.	Brief Answer Question (Any 4 out of 7) a) b) c) d) e) f) g)	4 X 5	20
2.	Long Answer Question (Any 1 out of 2) a) b)	1 X 13	13

SECTION C - BIOCHEMISTRY (33 – MARKS)			
Question No.	**Question Description**	**Division of Marks**	**Total Marks**
1.	Brief Answer Question (Any 4 out of 7) a) b) c) d) e) f) g)	4 X 5	20
2.	Long Answer Question (Any 1 out of 2) a) b)	1 X 13	13

Subject Code : 65002

Faculty with Year : FIRST BPMT (ALL SPECIALITY)

Subject : MICROBIOLOGY, PATHOLOGY & FORENSIC MEDICINE

Paper : II

Total Marks : 100 **Time : 3 Hours**

Instructions:-

1) Use **blue/black** ball point pen only.
2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
3) All questions are compulsory.
4) The number to the right indicates full marks.
5) Draw diagrams wherever necessary.

SECTION A - MICRO- BIOLOGY (34 – MARKS)			
Question No.	**Question Description**	**Division of Marks**	**Total Marks**
1.	Brief Answer Question (Any 4 out of 7) a) b) c) d) e) f) g)	4X 5	20
2.	Long Answer Question (Any 1 out of 2) a) b)	1 X 14	14

SECTION B – PATHOLOGY (33 – MARKS)			
1.	Brief Answer Question (Any 4 out of 7) a) b) c) d) e) f) g)	4 X 5	20
2.	Long Answer Question (Any 1 out of 2) a) b)	1 X 13	13

SECTION C - FORENSIC MEDICINE (33 – MARKS)			
Question No.	**Question Description**	**Division of Marks**	**Total Marks**
1.	Brief Answer Question (Any 4 out of 7) a) b) c) d) e) f) g)	4 X 5	20
2.	Long Answer Question (Any 1 out of 2) a) b)	1 X 13	13

Subject code : **65003**

Faculty with Year : **FIRST BPMT (ALL SPECIALITY)**

Subject : **General Medical & Surgical Nursing, Health & Sanitation & Community Organization, PSM i.e. Role of paramedics in Medical & Surgical Nursing & Hospital Management**

Paper : **III**

Total Marks : **100** **Time : 3 Hours**

Instructions:-

1) Use **blue/black** ball point pen only.
2) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.
3) All questions are compulsory.
4) The number to the right indicates full marks.
5) Draw diagrams wherever necessary.

SECTION A - General Medical & Surgical Nursing (34 – MARKS)			
Question No.	**Question Description**	**Division of Marks**	**Total Marks**
1.	Brief Answer Question (Any 4 out of 7) a) b) c) d) e) f) g)	4X 5	20
2.	Long Answer Question (Any 1 out of 2) a) b)	1 X 14	14

SECTION B – Health & Sanitation (33 – MARKS)			
1.	Brief Answer Question (Any 4 out of 7) a) b) c) d) e) f) g)	4 X 5	20
2.	Long Answer Question (Any 1 out of 2) a) b)	1 X 13	13

SECTION C - PSM i.e. Role of paramedics in Medical & Surgical Nursing, Community Organization & Hospital Management (33 – MARKS)			
Question No.	**Question Description**	**Division of Marks**	**Total Marks**
1.	Brief Answer Question (Any 4 out of 7) a) b) c) d) e) f) g)	4 X 5	20
2.	Long Answer Question (Any 1 out of 2) a) b)	1 X 13	13