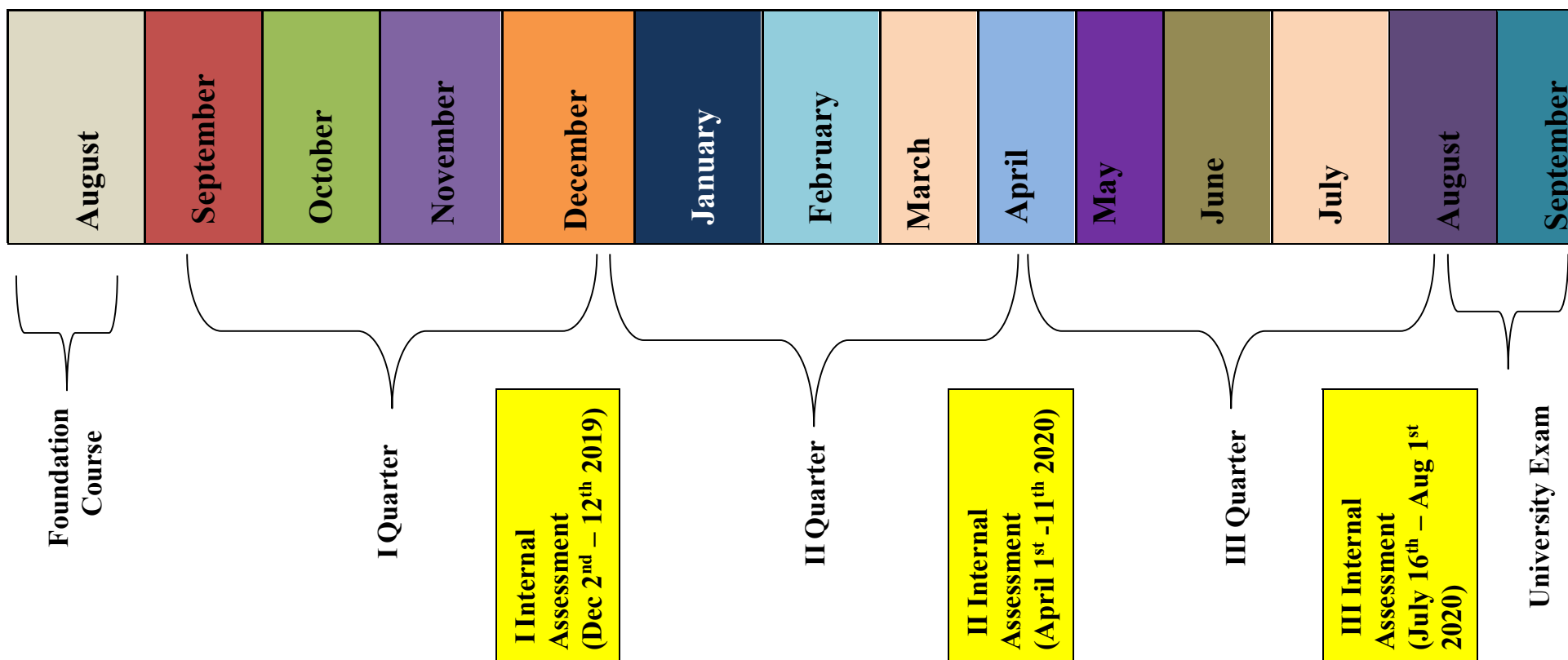




BROAD PLAN – QUARTER MODEL

MBBS Phase I : 2019 - 2020



A.J. INSTITUTE OF MEDICAL SCIENCES & RESEARCH CENTRE, MANGALORE

TIME TABLE FOR 1st YEAR MBBS STUDENTS

DAYS	9 – 10	10 – 11	11 – 12	12 – 1	L U N C H	2 – 4	4-5
MONDAY	PHYSIOLOGY (Interactive Lecture)	BIOCHEMISTRY (Interactive Lecture)	GROSS - DISSECTION (SGD)			Histology Practical 1.1 Physiology Practical 1.2 Biochemistry Practical 1.3 DOAP / SGD / Skill Assessment	AETCOM
TUESDAY	ANATOMY (Interactive Lecture)	PHYSIOLOGY (Interactive Lecture)	GROSS - DISSECTION (SGD)			Histology Practical 1.2 Physiology Practical 1.3 Biochemistry Practical 1.1 DOAP / SGD / Skill Assessment	COMMUNITY MEDICINE
WEDNESDAY	BIOCHEMISTRY (Interactive Lecture)	ANATOMY (Interactive Lecture)	GROSS - DISSECTION (SGD)			Histology Practical 1.3 Physiology Practical 1.1 Biochemistry Practical 1.2 DOAP / SGD / Skill Assessment	SPORTS AND EXTRA CURRICULAR ACTIVITIES
THURSDAY	PHYSIOLOGY (Interactive Lecture)	ANATOMY (Interactive Lecture)	GROSS - DISSECTION (SGD / SDL / ASSESSMENT)			EARLY CLINICAL EXPOSURE *	
FRIDAY	ANATOMY (Interactive Lecture)	PHYSIOLOGY (Interactive Lecture)	BIOCHEMISTRY (Interactive Lecture)	ANATOMY (Interactive Lecture)		INTERGRATED TEACHING / ASSESSMENT	
SATURDAY	BIOCHEMISTRY (Interactive Lecture)	ANATOMY (Interactive Lecture)	PHYSIOLOGY 1 st , 3 rd , 5 th week - INTERACTIVE LECTURE 2 nd , 4 th week - SDL	BIO-CHEMISTRY 1 st , 3 rd , 5 th week- SDL COMMUNITY MEDICINE (2 nd , 4 th week)			

SDL – Self Directed Learning

SGD – Small Group Discussion

DOAP – Demonstrate – Observe – Assist – Perform

*** Early clinical exposure – will be conducted by each department on rotation basis**


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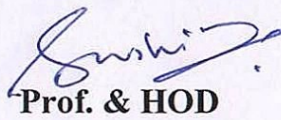
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Prof. & HOD

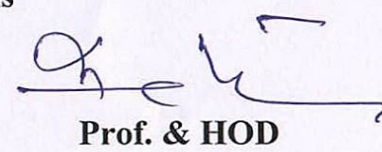
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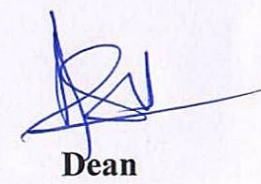
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Time Table for MBBS Phase I: 2019-20

Quarter	Anatomy	Physiology	Biochemistry	Possible linker sessions	Early clinical exposure	AETCOM
1st quarter	- General anatomy - General histology - General embryology - Upper limb - Thorax	- General physiology - Blood - Muscle-nerve physiology - Cardio Vascular System	- Cell structure - Membrane transport - Chemistry of carbohydrates - Extracellular matrix - Haemoglobin Chemistry - Chemistry of Nucleic acid - Biological Oxidation - Enzymes - Minerals - Metabolism of carbohydrates	- Myocardial infarction - Heart failure - Apoptosis - Cell research - Anemia - Bleeding disorders - N m blockers - Shoulder joint - Brachial plexus - Spaces in hand	12 hours per department (6 hours for basic science correlation and 6 hours for clinical skills)	- Module 1.1 done in Foundation Course (8 hours) - Module 1.5 (4 hours) - Module 1.2 (8 hours)
2nd quarter	- Abdomen - Pelvis - Lower limb - Genetics	- Cardio Vascular System - Respiratory system - Gastro Intestinal system - Excretory system - Endocrinology	- Lipid chemistry - Lipid metabolism - Acid base balance - Water and electrolyte balance - Vitamins - Renal function, tests and abnormalities - Haem metabolism - Liver function, tests and abnormalities - Genetics	- Jaundice - Renal failure - ABG analysis - PFT - RFT - Liver - Inguinal canal - Knee / Ankle joints - Kidney - Femoral hernia	9 hours per department (6 hours for basic science correlation and 3 hours for clinical skills)	Module 1.3 (7 hours)



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Time Table for MBBS Phase I: 2019-20

Quarter	Anatomy	Physiology	Biochemistry	Possible linker sessions	Early clinical exposure	AETCOM
3rd quarter Please note: Some of these topics may extend into the first part of the 4th quarter	• Head and neck • Neuroanatomy	• Endocrinology • Reproductive system • Central Nervous System • Special senses • Integrated physiology	• Hormone action • Function, tests and abnormalities of thyroid and adrenal glands • Diabetes mellitus • Free radicals and antioxidants • Chemistry of proteins • Metabolism of amino acids • Integration of metabolism • Xenobiotics in disease • Nutrition • Immunity • Metabolism of cancer • Vaccine development • Automation and quality control • Biomedical waste management	• Goitre • Stroke • Parkinson's disease Diabetes mellitus • Endocrine – applied • IVF • Oncology • Thyroid • Scalp • Spinal cord • Genetics • Duramater	• 9 hours per department (6 hours for basic science correlation and 3 hours for clinical skills)	• Module 1.4 (7 hours)



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CBME Time Table for MBBS Phase I: 2019-20

1 st Quarter	MONTH	ANATOMY	PHYSIOLOGY	BIOCHEMISTRY
	August 2019	Foundation Course		
	September 2019	<u>General Anatomy:</u> AN 1.1 – 1.2 AN 2.1 – 2.6 AN 3.1 – 3.3 AN 4.1 – 4.5 AN 5.1 – 5.8 AN 6.1 – 6.3 AN 7.1 – 7.8 AN 8.1 – 8.6 <u>Upper limb:</u> AN 9.1 – 9.3 AN 10.1 – 10.13 AN 11.1 – 11.6 <u>Gen. Histology:</u> AN 65.1 – 65.2 AN 66.1 – 66.2 AN 67.1 – 67.3 AN 68.1 – 68.3 AN 69.1 – 69.3 AN 70.1 – 70.2 AN 71.1 – 71.2 AN 72.1 AN 8.4, 8.5, 65.1, 65.2	<u>GENERAL PHYSIOLOGY:</u> PY 1.1 - 1.9 <u>BLOOD:</u> PY 2.1 - 2.10 PY 2.11	<u>Cell structure-</u> BI 1.1 <u>Membrane transport-</u> BI 1.1 <u>Chemistry Carbohydrates –</u> BI - 3.1 <u>Extracellular matrix –</u> BI 9.1,9.2 BI 11.1, 11.2, 11.3

Subject	Lecture hours	SGT / Tutorials / Practical / Integrated learning + Assessment	SDL	Total
Anatomy	22	49	4	75
Physiology	18	26	1	45
Biochemistry	13	25	2	40

	October 2019	<u>Upper limb:</u> AN 12.1 – 12.15 AN 13.1 – 13.8 AN 14.1 – 14.4 <u>Thorax:</u> AN 21.1 – 21.11 AN 22.1 – 22.7 AN 24.1 – 24.6 AN 66.1, 66.2, 67.1, 67.2, 67.3, 68.1, 68.2, 68.3	<u>NEURO MUSCULAR PHYSIOLOGY:</u> PY 3.1 - 3.11 <u>CARDIO VASCULAR SYSTEM:</u> PY 5.1 - 5.7 PY 2.11	<u>Hemoglobin Chemistry – BI</u> 5.2 <u>Chemistry of Nucleic acid- BI</u> 7.1 <u>Biological Oxidation- BI</u> 6.6 BI 11.4, 11.5, 11.6
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Subject	Lecture hours	SGT / Tutorials / Practical / Integrated learning + Assessment	SDL	Total
Anatomy	24	48	5	77
Physiology	16	24	2	42
Biochemistry	15	26	2	43

	November 2019	<u>Gen. Embryology:</u> AN 76.1 – 76.2 AN 77.1 – 77.6 AN 78.1 – 78.5 AN 79.1 – 79.6 AN 80.1 – 80.7 AN 81.1 – 81.3 <u>Thorax (contd.):</u> AN 23.1 – 23.7 AN 25.1 – 25.9 AN 69.1, 69.2, 69.3, 70.1, 70.2, 71.1, 71.2, 72.1, 25.1	<u>CARDIO VASCULAR SYSTEM:</u> PY 5.8 - 5.11 PY 2.11	<u>Enzymes-</u> BI 2.1 – 2.7 <u>Minerals -BI</u> 6.9, 6.10 <u>Metabolism of carbohydrates-</u> BI 3.2 – 3.10 BI 11.7, 11.8, 11.9
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Subject	Lecture hours	SGT / Tutorials / Practical / Integrated learning + Assessment	SDL	Total
Anatomy	25	58	4	87
Physiology	19	28	2	49
Biochemistry	17	25	3	45

I INTERNAL EXAMINATION

2 nd Quarter	December 2019	<u>Lower limb:</u> AN 15.1 – 15.5 AN 16.1 – 16.6 AN 17.1 – 17.3 AN 18.1 – 18.7 AN 19.1 – 19.7 AN 20.1 – 20.10 AN 46.1, 46.2	<u>RESPIRATORY SYSTEM:</u> PY 6.1, 6.2, 6.3, 6.7 PY 6.4, 6.5, 6.6 PY2.11, 2.12, 2.13	<u>Lipid Chemistry –</u> BI 4.1 <u>Lipid Metabolism-</u> BI 4.2 -4.7 <u>Acid base balance</u> -BI 6.7, 6.8 BI 11.10, 11.11	
	Subject	Lecture hours	SGT / Tutorials / Practical / Integrated learning + Assessment	SDL	Total
	Anatomy	9	13	1	22
	Physiology	6	36	1	43
	Biochemistry	5	6	2	13
	VACATION (23 rd December 2019 to 1 st January 2020)				
	January 2019	<u>Abdomen & Pelvis:</u> AN 44.1 – 44.7 AN 45.1 – 45.3 AN 46.1 – 46.5 AN 47.1 – 47.14 AN 48.1 – 48.8 AN 52.1	<u>GASTRO INTESTINAL SYSTEM:</u> PY 4.1, 4.2, 4.3,4.6, 4.8 PY 4.2, 4.3, 4.5, 4.7, 4.8, 4.9 <u>EXCRETORY SYSTEM:</u> PY 7.1 - 7.3 PY 7.3 - 7.9 PY 5.12 – 5.16	<u>Water & electrolytebalance –</u> BI 6.7 <u>Vitamins-</u> BI 6.5 <u>Renal function test and</u> <u>abnormalities –</u> BI 6.13, 6.14, 6.15 BI 11.12, 11.3	
Subject	Lecture hours	SGT / Tutorials / Practical / Integrated learning + Assessment	SDL	Total	
Anatomy	27	52	5	84	
Physiology	19	26	2	47	
Biochemistry	16	25	2	43	

	February 2019	<u>Abdomen & Pelvis (contd.):</u> AN 49.1 – 49.5 AN 50.1 – 50.4 AN 51.1 – 51.2 AN 52.1 – 52.8 AN 53.1 – 53.4 AN 54.1 – 54.3 AN 55.1 – 55.2 <u>Genetics:</u> AN 73.1 – 73.3 AN 74.1 – 74.4 AN 75.1 – 75.5 AN 52.1, 52.2		<u>ENDOCRINES:</u> PY 8.1 - 8.2 PY 3.14, 3.15, 3.16 3.18, PY4.10		<u>Haem metabolism</u> – BI 6.11,6.12 <u>Liver function test and abnormalities</u> – BI 6.12, 6.14 <u>Genetics</u> – BI 6.2, 6.3, 6.4 BI 11.14, 11.15, 11.16	
		Subject	Lecture hours	SGT / Tutorials / Practical / Integrated learning + Assessment	SDL	Total	
		Anatomy	23	54	5	82	
		Physiology	18	28	2	48	
		Biochemistry	15	27	3	45	
II INTERNAL EXAMINATION							
3 rd Quarter	Month	Anatomy		Physiology		Biochemistry	
	March 2019	<u>Head & Neck:</u> AN 26.1 – 26.7 AN 27.1 – 27.2 AN 28.1 – 28. 10 AN 29.1 – 29.4 AN 32.1 – 32.2 AN 52.2		<u>ENDOCRINES:</u> PY 8.2 - 8.6 <u>CENTRAL NERVOUS SYSTEM:</u> PY 10.1 - 10.3 PY 6.8, 6.9, 6.10		<u>Hormone action TFT-</u> BI 6.14,6.15 Diabetes mellitus – BI 3.9 Free radicals & antioxidants – BI 7.5, 7.6, 7.7 Chemistry of proteins BI 11.17, 11.18, 11.19	
	Subject	Lecture hours	SGT / Tutorials / Practical / Integrated learning + Assessment	SDL	Total		
	Anatomy	25	63	4	92		
	Physiology	20	28	2	50		
Biochemistry	17	31	2	50			

	April 2019	<u>Head & Neck (contd.):</u> AN 30.1 – 30.5 AN 31.1 – 31.5 AN 33.1 – 33.5 AN 34.1 – 34.2 AN 35.1 – 35.10 AN 36.1 – 36.5 AN 43.2		<u>CENTRAL NERVOUS SYSTEM:</u> PY 10.4 , 10.6 PY 10.11 <u>REPRODUCTIVE SYSTEM:</u> PY 9.1 - 9.12		<u>Metabolism of amino acids –</u> BI 5.1, 5.5 <u>Integration of metabolism –</u> BI 6.1 <u>Xenobiotics in disease –</u> BI 7.5 <u>Nutrition –</u> BI 1-8.5 BI 11.20, 11.21	
		Subject	Lecture hours	SGT / Tutorials / Practical / Integrated learning + Assessment	SDL	Total	
		Anatomy	14	38	3	55	
		Physiology	11	46	1	58	
		Biochemistry	10	19	1	30	
	May 2019	<u>Head & Neck (contd.):</u> AN 37.1 – 37.3 AN 38.1 – 38.3 AN 39.1 – 39.2 AN 40.1 – 40.5 AN 41.1 – 41.3 AN 42.1 – 42.3 AN 43.1 – 43.9 AN 43.2		<u>CENTRAL NERVOUS SYSTEM:</u> PY 10.5, 10.7,10.8, 10.9, 10.10, 10.12 <u>SPECIAL SENCES:</u> PY 10.13 - 10.19 PY 10.11, 10.20 PY 11.13, 11.14		<u>Immunity –</u> BI 10.3-10.5 <u>Metabolism of cancer –</u> BI 10.1,10.2 <u>Vaccine development –</u> BI 10.5 BI 11.22, 11.23	
		Subject	Lecture hours	SGT / Tutorials / Practical / Integrated learning + Assessment	SDL	Total	
		Anatomy	25	50	5	80	
		Physiology	18	25	2	45	
		Biochemistry	16	25	3	44	

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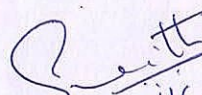
Total teaching hours for Phase I MBBS (2019-20) batch according to new competency curriculum

Subject	Lecture hours		SGT / Tutorials / Practical / Integrated learning + Assessment		SDL		Total	
	As per GMR	In our timetable	As per GMR	In our timetable	As per GMR	In our timetable	As per GMR	In our timetable
Anatomy	220	232	415	517	40	43	675	792
Physiology	160	165	310	350	25	27	495	542
Biochemistry	80	150	150	254	20	23	250	427
Community Medicine	20	26	27	30	5	10	52	66


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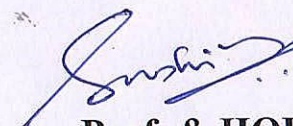
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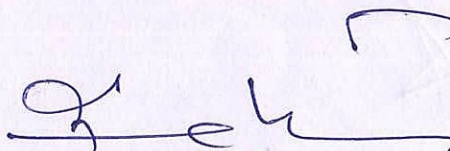
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