



## BLDE

(DEEMED TO BE UNIVERSITY)

Declared as Deemed to be University u/s 3 of UGC Act, 1956

Accredited with 'A' Grade by NAAC (Cycle-2)

The Constituent College

SHRI B. M. PATIL MEDICAL COLLEGE, HOSPITAL & RESEARCH CENTRE, VIJAYAPURA

### DEPARTMENT OF PHYSIOLOGY

#### CALENDAR OF EVENTS MBBS PHASE-I (2021-22BATCH)

Date	Name of the Activities
January 2022, 2 <sup>nd</sup> week	University exams – MBBS Phase I – 2020-21 batch
February 2022, 2 <sup>nd</sup> week	Integrated Teaching Program for PG
March 2022, 1 <sup>st</sup> week	UG Orientation Program & Foundation course- MBBS, Phase I, 2021-2022batch
March 2022, 3 <sup>rd</sup> week	AETCOM session for UG
March 2022, 4 <sup>th</sup> week	UG Training for MCQ Examination
April 2022, 2 <sup>nd</sup> week	UG Training for Viva- Voce Examination
7 <sup>th</sup> – April 2022	UG seminar on the occasion of - <b>World Haemophilia day</b>
May 2022, 2 <sup>nd</sup> week	Early clinical exposure for UG
2 <sup>nd</sup> week of May 2022	AETCOM session for UG
11 <sup>th</sup> June 2022	Yoga class for UG- starts after academic hours , continues for 10days As per NMC Guidelines
21 <sup>st</sup> - June 2022	<b>International Yoga Day : Centre of Yoga and exercise Science, Department of Physiology Concluding of yoga class,UG</b>
23 <sup>rd</sup> to 29 <sup>th</sup>	1 <sup>st</sup> Internal Assessment Exams - UG

<b>June 2022</b>	
<b>5<sup>th</sup> July 2022</b>	Announcement of Result- 1 <sup>st</sup> IA exam
<b>5<sup>th</sup> -11<sup>th</sup> July 2022</b>	First Vacations for UG
September 2022	Interactive talk by Visiting faculty from USA to UG
5 <sup>th</sup> September 2022	<b>Teacher's Day- Seminar - Teacher as Facilitator by UG</b>
<b>18<sup>th</sup> - Sept 2022</b>	Birth Anniversary of "Padma Shri" Dr.B.K.Anand- <b>UG Seminar on inventions of Dr.B.K.Anand</b>
<b>24<sup>th</sup> – Sept 2022</b>	Birth Anniversary of "Padma Vibhushan" Dr. A. S. Paintal <b>UG Seminar on discoveries of Dr.A.S Paintal</b>
<b>26<sup>th</sup> Sept-1<sup>st</sup> Oct 2022</b>	<b>II<sup>nd</sup> Internal Assessment examinations</b>
<b>8<sup>th</sup> Oct 2022</b>	Announcement of Result of II <sup>nd</sup> IA exams
<b>23<sup>rd</sup> to 30<sup>th</sup> Oct 2022</b>	Second Vacations for UG
<b>26<sup>th</sup> - Oct</b>	<b>World "Obesity Day"- Updating talk on Obesity and its effects on the metabolic system, PG</b>
<b>28<sup>th</sup> to 10<sup>th</sup> Dec 2022</b>	<b>Preliminary exams for UG</b>
15 <sup>th</sup> Dec 2022	Announcement of Result for Preliminary exams
16 <sup>th</sup> Dec 2022	Internal Assessment marks signature by all students

\* **Every month 2<sup>nd</sup> week** – Viva Voce training program for UG

\* **Every month 4<sup>th</sup> week** - MCQ test training program for UG

\* **System completion test at the end of each topic completion at respective time of the month.**

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## **MBBS PHASE-I (2021-22 CBME BATCH) CALENDAR OF EVENTS- Exams & Syllabus**

### **DEPARTMENT OF PHYSIOLOGY**

#### **1:- I A Examinations**

##### **A) I<sup>st</sup> Internal Assessment Examination**

Theory: 23<sup>rd</sup> June to 25<sup>th</sup> June-2022

Practical: 27<sup>th</sup> June to 29<sup>th</sup> June-2022

Date of Announcement of Result: 5<sup>th</sup> July-2022.

##### **B) II<sup>nd</sup> Internal Assessment Examination**

Theory: 26<sup>th</sup> September to 28<sup>th</sup> September-2022

Practical:-29<sup>th</sup> September to 1<sup>st</sup> October -2022

Date of Announcement of Result: 8<sup>th</sup> October-2022

##### **C) Preliminary Examinations**

Theory: 28<sup>th</sup> November to 3<sup>rd</sup> December-2022

Practical: 5<sup>th</sup> December to 10<sup>th</sup> December-2022

Date of Announcement of Result: 15<sup>th</sup> December-2022

## **2 : Syllabus for Ist IA Examination**

- **Theory : : 20 M - MCQ + 80 M-Theory paper**

1. General Physiology, Homeostasis
2. Transport across cell membrane, fluid compartments of body
3. Resting membrane, potential and action potential
4. Blood- Hemoglobin, Erythropoiesis, Plasma proteins,
5. Blood – Platelets, coagulation mechanisms & disorders, Blood transfusion, Immunity
6. Cardiovascular system- Properties of cardiac muscle, pace maker potential
7. Gastro intestinal tract- Secretions and movements of salivary glands, Deglutition, stomach

- **Practical : 30M + Viva: 20 M**

1. Study of microscope,
2. Behavior of RBC in tonic solutions
3. Study of Hemocytometry,
4. Total erythrocyte count, Leukocyte count, DLC
5. Estimation of Hb%, iron binding capacity
6. Bleeding Time, Clotting Time, Blood groups.
7. Mosso's ergography
8. Perform & interpret spirometry

### 9. 3 : Syllabus for II A Examination

- **Theory : 20 M - MCQ + 80 M-Theory paper**

1. CVS- Cardiac cycle, ECG, Cardiac output
2. CVS- Heart rate, Blood pressure
3. CVS- Pathophysiology of shock, syncope, heart failure
4. GIT- Movements & secretion of Liver, Pancrease, small & large Intestine
5. RS- Mechanics of respiration, transport gases[O<sub>2</sub>, CO<sub>2</sub>], lung function tests
6. RS- physiology of high altitude, deep sea diving
7. RS- Principles of artificial respiration, O<sub>2</sub> therapy, acclimatization, hypoxia, cyanosis
8. Renal system- Urine formation, Micturition reflex & its applied aspect, Artificial kidney
9. Nerve- Muscle Physiology- N-M Junction, EC- coupling, NM blocking agents, Myopathies

- **Practical : 30M + Viva: 20 M**

1. Record Arterial pulse tracing and Blood Pressure in a volunteer or simulated environment
2. Measurement of peak expiratory flow rate in a normal volunteer or simulated environment
3. Effect of mild, moderate and severe exercise on Blood Pressure .
4. Interpret Normal ECG
5. Clinical examination of CVS, RS , GIT.

4: **Syllabus for Preliminary Examination:**

- Theory : Whole syllabus of Physiology: Paper I & II: 200 M
- Practical : Whole syllabus of Physiology + Viva: 60 M+ 40M

5: **Vacations:**

- First Vacations 5<sup>th</sup> to 11<sup>th</sup> July-2022
- Second Vacation 23<sup>rd</sup> to 30<sup>th</sup> October-2022

6: **Parent-Teacher Meeting:**


- 9<sup>th</sup> July-2022-First- parent-Teacher meeting
- 12<sup>th</sup> November-2022-Second parent-Teacher meeting


7: **Attendance and I A Marks for Eligibility to appear in the University examination**

i) **Attendance-** Theory -75% minimum & Practical-80% minimum.

ii) **I A Marks :** Theory 50% - Marks minimum (40), Practical 50% - Marks minimum (20)

**\*Note : The above scheduled dates are tentative, Subjected to change.**

  
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