

**PHYSICS PRACTICALS**  
**ACADEMIC YEAR 2020 – 2021**

<b>S. NO.</b>	<b>DELETED TOPICS (30 %)</b>	
	<b>FIRST YEAR</b>	<b>SECOND YEAR</b>
01	Apparent Expansion	Tangent Galvanometer
02	Specific Heat of Solid	Meter bridge
03	Surface Tension	Transistor Characteristics
Note :	Q. No's 16, 17, 18, 19 from Part – C of Physics practical question bank are deleted	Q. No's 31, 32, 34, 35, 37, 38, from Part – F of Physics practical question bank are deleted

**CHEMISTRY PRACTICALS**  
**ACADEMIC YEAR 2020 – 2021**

S. NO.	DELETED TOPICS (30 %)	
	FIRST YEAR	SECOND YEAR
01	PH and PH change in aqueous solutions (Entire Unit)	Thermo Chemistry ( Entire Unit)
02	Chemical Equilibrium (Entire Unit)	Chromatography ( Entire Unit) Part – E (Q. III (c ))
03	Detection of elements in organic compounds ( Entire Unit)	Tests for functional groups in organic compounds ( Entire Unit) Part – E (Q. III (a))
04	-----	Quantative Estimation Exp. 10.1 Determination of the strength of potassium permanganate using oxalic acid Part C (Q. No. 15 – 21)

**BOTANY PRACTICALS**  
**ACADEMIC YEAR 2020 – 2021**

**From IPE Botany Practicals Booklet**

<b>S. NO.</b>	<b>SECTION</b>	<b>DELETED TOPICS</b>
01	A : Taxonomy	1) Fabaceae – Tephrosia – puepurea
02	B : Anatomy	6) Ts of dicot root 7) Ts of monocot root
03	C : Live Experiments	8 (d) Paper Chromatography
04	D : Vegetative Morphology	20) Phyllode – Acacia 21) Reproductive leaves Bryophyllum 22) Trap leaves Nepenthes
05	E : Reproductive Morphology	26) Berry – Tomato 27) Hesperdium – Citrus 28) Pepo – Cucumber 29) Pome – Apple 30) Drupe – Coconut
<b>Note :</b>	<b>Herbarium ( 5 sheets deleted from family Fabaceae)</b>	

# ZOOLOGY PRACTICALS

**ACADEMIC YEAR 2020 – 2021**

**From IPE Zoology Practicals Booklet**

<b>S. NO.</b>	<b>PART</b>	<b>DELETED TOPICS</b>
01	PART – 1 ( Models or charts or projects)	7. Human being : Digestive System 9. Human being : Venous System
02	Part – II ( Physiology Experiments)	12. Demonstration of digestion of starch by salivary amylase
03	Part – III ( Spotters) <b>C. Invertebrate Specimen ( Scolopendra to Asterias)</b>	33. Palaemon 36. Silk moth 37. Honey bee
	Part – III ( Spotters) <b>D. Histological Slilde</b>	43. T. S. of cartridge 47. Unstriated muscle
	Part – III ( Spotters) E. Vertebrate (Mammalian) slide	48. T. S. of stomach 49. T. S. of intestine 51. T. S. of liver 52. T. S. of pancreas
	Part – III ( Spotters) F. Vertebrate Specimen	58. Cirhina 64. Rabbit
	Part – III ( Spotters) G. Mammalian Joints	65. Ball and Socket joint 66. Hinge joint 67. Pivot joint 68. Gliding joint
<b>Note :</b>	All the 4 joints in the G(mammalian joints) are deleted . Some of the specimens of F.vertebrate are included in G. i. e. Sea snake, cobra, Russel's viper,Pigeon	

# GEOGRAPHY PRACTICALS

Academic year 2020-21, II nd Year

Deleted Topics – 30%

S.No	Section	Deleted Topics
01	Section-A	1) మానచిత్ర స్కేలు 2) సాధారణ స్కేలు 3) గ్రాఫిక్ స్కేలు
02	Section-E	1) సమభార రేఖలు 2) పటములు, వాటి ఉపయోగములు 3) చక్రాకారపు చిత్రములు 4) వికర్ణ స్కేలు 5) బిందువుల పద్ధతి 6) సంపుటికరణ పద్ధతి 7) లైన్ మరియు ఘన రేఖా చిత్రము