

First B.O.Th. Year

B.O.Th. 107 HUMAN PHYSIOLOGY PRACTICAL

B.O.Th. 107 PRACTICAL (based on B.O.Th. 102)

University examination 70 marks + int. assessment 30 marks = Total 100 marks

- 1) Hematology (demonstration only)..... (15 hrs)
- 2) GRAPHS.....(14 hrs)
 - i)- skeletal muscle-properties-pre / after load-fatigue-Starling's law
 - ii)- Cardiac muscle-properties-effect of Ach & Adrenaline.
- 3) Physical fitness(12 hrs)
 - i)- breath holding
 - ii)- mercury column test;
 - iii)- cardiac efficiency test- Harvad step test- Master step test
- 4) Blood pressure- effects of change in posture & exercise.....(08 hrs)
- 5) Stethography (04 hrs)
 - i)- effect of deglutination;
 - ii)- voluntary hyperventilation
- 6) Spirometry(04 hrs)
 - i)- Lung volumes
 - ii)- timed vital capacity
- 7) Bicycle Ergography -(04 hrs)
- 8) Perimetry..(04 hrs)
- 9) Clinical examination (15 hrs)
respiratory / cvs / higher functions / memory / time / orientation / reflexes / motor & sensory system / Cranial nerves.

SCHEME OF PRACTICAL EXAMINATION

Practical Examination should include

- a) Spots-Identification on topics of practical syllabus 20 marks
- b) Viva-based on CNS, muscular nerve physiology 15 marks
- c) Demonstration -on Clinical Physiology on CVS, RS, CNS30 marks
- d) Journal.....05 marks