(REVISED COURSE) 4918-07. CD-6052 Fire Sical Indian data - [Total Marks: 100 Question No.1 is compulsory. Attempt any four questions out of remaining six questions. Figures to the right indicate full marks. Assume suitable data wherever necessary. Draw sketches/diagrams wherever necessary. Use legible handwriting. Use blue/black ink. a) Explain using suitable diagram principle of Coulte Blood Cell Counter. [10] 5) Draw and explain circuit diagram power supply of Spectrophotometer. a) Explain the complete process of Electropor sis. [10] 5) Draw and explain block diagram of electromagnetic blood flow meter. [10]Draw and explain the block diagram of complete blood gas analyzer and also draw and explain the relevant circuits and mention the equation. [20] a) Draw and explain the block dia ram of Ear pulsr oximeter. [10] b) Draw and explain wave engin selection using diffraction grating. . [10] 3) Draw a neat labeled diagram and explain the various lung volumes and capabilities. [10] b) Draw and express ock diagram of autoanalyser. [10]Define Conduct output. Explain any one non invasive method. [10]Draw and explain the block diagram of Anesthesia machine. [10]rite short notes on: (Any four) [20] Chromatography Beer- Lambert's law **ELISA** reader Flame-photometer Audiometer

Centrifuge machine.

TE. (5.10) (Sem V) (Nev) Ter 07