

Lib

2629-07.

[REVISED COURSE]

ND-557

(3 Hours)

[Total Marks : 100

3. (1) Question No. 1 is compulsory.
  - (2) Attempt any 4 questions from remaining 6 questions.
  - (3) Figures on the right indicate full marks.
  - (4) Draw neat labeled diagrams wherever necessary.
  - (5) Use legible hand writing . Use Blue or Black ink.
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1. (a) Explain the basic principle of Artificial Kidney dialysis. [06]
  - (b) Explain the complete block diagram of dialysis machine. [14]
  2. (a) Explain using block diagram working of Heart-Lung Bypass m/c. [08]
  - (b) List the various types of oxygenators and explain any two types. [12]
  3. Explain normal locomotion in human beings. Also stress on importance of every stage. [20]
  4. (a) Explain Above Elbow Prosthesis using suitable diagram. [10]
  - (b) Explain Below Knee Prosthesis using suitable diagram. [10]
  5. (a) Explain the principle of three point pressure in designing a device. [10]
  - (b) Explain patient rehabilitation concept and how it helps the patient. [10]
  6. (a) Explain Below Elbow Orthosis using suitable diagram. [10]
  - (b) Explain Above Knee Orthosis using suitable diagram. [10]
  7. Write notes on ( Any Four ) [20]
    - (a) Milwaukee Brace.
    - (b) Spinal Orthosis.
    - (c) Plastics in P & O.
    - (d) Hand splints.
    - (e) Heart Valves.
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