

Code No: 07A41101

R07

Set No. 2

II B.Tech II Semester Examinations, April/May 2012
BASIC CLINICAL SCIENCES
Bio-Medical Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. Describe peritoneal dialysis (PD) and its implications. [16]
2. What are the different types of probes used in ultrasonography and how does it help in imaging different organs in the body? What is 3 dimensional ultrasonography? [16]
3. Write short notes on the following:
 - (a) clinical syndromes with which motor neurone disease is associated.
 - (b) Peripheral neuropathy. [8+8]
4. What is computed tomography? What can a person expect during the CT procedure? Are there risks associated with a CT scan? [16]
5. What are the post operative cares you will give for minor and major surgeries? [16]
6. Discuss about the various monitoring devices required, in a dialysis machine. [16]
7. What are the uses of cardiopulmonary bypass(CPB) and what are the surgical procedures used with CPB. [16]
8. What is lithotripsy and what are the alternative names for lithotripsy? What are the fundamental principles underlying the same. Describe a brief outline of the procedure. [16]

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Set No. 4

II B.Tech II Semester Examinations, April/May 2012
BASIC CLINICAL SCIENCES
Bio-Medical Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. What are the post operative cares you will give for minor and major surgeries? [16]
2. Discuss about the various monitoring devices required, in a dialysis machine. [16]
3. What is computed tomography? What can a person expect during the CT procedure? Are there risks associated with a CT scan? [16]
4. Write short notes on the following:
 - (a) clinical syndromes with which motor neurone disease may present.
 - (b) Peripheral neuropathy. [8+8]
5. What are the uses of cardiopulmonary bypass(CPB) and what are the surgical procedures used with CPB. [16]
6. Describe peritoneal dialysis (PD) and its implications. [16]
7. What are the different types of probes used in ultrasonography and how does it help in imaging different organs in the body? What is 3 dimensional ultrasonography? [16]
8. What is lithotripsy and what are the alternative names for lithotripsy? What are the fundamental principles underlying the same. Describe a brief outline of the procedure. [16]

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Set No. 1

II B.Tech II Semester Examinations, April/May 2012
BASIC CLINICAL SCIENCES
Bio-Medical Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. What are the post operative cares you will give for minor and major surgeries? [16]
2. Discuss about the various monitoring devices required, in a dialysis machine. [16]
3. What is computed tomography? What can a person expect during the CT procedure? Are there risks associated with a CT scan? [16]
4. Write short notes on the following:
 - (a) clinical syndromes with which motor neurone disease may present.
 - (b) Peripheral neuropathy. [8+8]
5. Describe peritoneal dialysis (PD) and its implications. [16]
6. What are the uses of cardiopulmonary bypass(CPB) and what are the surgical procedures used with CPB. [16]
7. What are the different types of probes used in ultrasonography and how does it help in imaging different organs in the body? What is 3 dimensional ultrasonography? [16]
8. What is lithotripsy and what are the alternative names for lithotripsy? What are the fundamental principles underlying the same. Describe a brief outline of the procedure. [16]

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Set No. 3

II B.Tech II Semester Examinations, April/May 2012
BASIC CLINICAL SCIENCES
Bio-Medical Engineering

Time: 3 hours

Max Marks: 80

Answer any FIVE Questions
All Questions carry equal marks

1. What are the post operative cares you will give for minor and major surgeries? [16]
2. Describe peritoneal dialysis (PD) and its implications. [16]
3. Write short notes on the following:
 - (a) clinical syndromes with which motor neurone disease may present.
 - (b) Peripheral neuropathy. [8+8]
4. Discuss about the various monitoring devices required, in a dialysis machine. [16]
5. What are the uses of cardiopulmonary bypass(CPB) and what are the surgical procedures used with CPB. [16]
6. What are the different types of probes used in ultrasonography and how does it help in imaging different organs in the body? What is 3 dimensional ultrasonography? [16]
7. What is lithotripsy and what are the alternative names for lithotripsy? What are the fundamental principles underlying the same. Describe a brief outline of the procedure. [16]
8. What is computed tomography? What can a person expect during the CT procedure? Are there risks associated with a CT scan? [16]
