Code No: 07A31101 **R07** **Set No. 2**

II B.Tech I Semester Examinations,MAY 2011
ANATOMY AND PHYSIOLOGY
Bio-Medical Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Discuss about Blood groups. What is the composition and function of Blood? [16]
2. Write short notes:
   (a) Hypothalamic - pituitary - adrenocortical axis.
   (b) Renin-Angiotensin- Aldosterone axis.
   (c) ACTH.
   (d) Cushing's syndrome. [4×4]
3. Describe the structure and functions of the fibrous joint? [16]
4. Explain how gases are transported by blood in the rocess of respiration. [16]
5. Define GFR? How is GFR regulated? Describe the methods of estimation. [16]
6. Explain the retinal processing of visual input and the neural pathway of light impulses to the brain in detail. [16]
7. Describe the exocrine secretions of pancreas and their functions in detail. [16]
8. Explain how the lymph formed in our body will reaches to systemic circulation and explain how the lymphatic system is connected with circulatory system. [16]

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Code No: 07A31101 **R07** **Set No. 4**

II B.Tech I Semester Examinations,MAY 2011
ANATOMY AND PHYSIOLOGY
Bio-Medical Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Define GFR? How is GFR regulated? Describe the methods of estimation. [16]
2. Describe the exocrine secretions of pancreas and their functions in detail. [16]
3. Explain how the lymph formed in our body will reaches to systemic circulation and explain how the lymphatic system is connected with circulatory system. [16]
4. Explain how gases are transported by blood in the rocess of respiration. [16]
5. Discuss about Blood groups. What is the composition and function of Blood? [16]
6. Explain the retinal processing of visual input and the neural pathway of light impulses to the brain in detail. [16]
7. Write short notes:
   (a) Hypothalamic - pituitary - adrenocortical axis.
   (b) Renin-Angiotensin- Aldosterone axis.
   (c) ACTH.
   (d) Cushing's syndrome. [4×4]
8. Describe the structure and functions of the fibrous joint? [16]

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Code No: 07A31101 **R07** **Set No. 1**

II B.Tech I Semester Examinations,MAY 2011
ANATOMY AND PHYSIOLOGY
Bio-Medical Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Describe the exocrine secretions of pancreas and their functions in detail. [16]
2. Explain how gases are transported by blood in the rocess of respiration. [16]
3. Write short notes:
   (a) Hypothalamic - pituitary - adrenocortical axis.
   (b) Renin-Angiotensin- Aldosterone axis.
   (c) ACTH.
   (d) Cushing's syndrome. [4×4]
4. Discuss about Blood groups. What is the composition and function of Blood? [16]
5. Explain the retinal processing of visual input and the neural pathway of light impulses to the brain in detail. [16]
6. Explain how the lymph formed in our body will reaches to systemic circulation and explain how the lymphatic system is connected with circulatory system. [16]
7. Define GFR? How is GFR regulated? Describe the methods of estimation. [16]
8. Describe the structure and functions of the fibrous joint? [16]

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Code No: 07A31101 **R07** **Set No. 3**

II B.Tech I Semester Examinations,MAY 2011
ANATOMY AND PHYSIOLOGY
Bio-Medical Engineering

Time: 3 hours **Max Marks: 80**

Answer any FIVE Questions
All Questions carry equal marks

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1. Define GFR? How is GFR regulated? Describe the methods of estimation. [16]
2. Explain the retinal processing of visual input and the neural pathway of light impulses to the brain in detail. [16]
3. Write short notes:
   (a) Hypothalamic - pituitary - adrenocortical axis.
   (b) Renin-Angiotensin- Aldosterone axis.
   (c) ACTH.
   (d) Cushing's syndrome. [4×4]
4. Explain how gases are transported by blood in the rocess of respiration. [16]
5. Explain how the lymph formed in our body will reaches to systemic circulation and explain how the lymphatic system is connected with circulatory system. [16]
6. Describe the structure and functions of the fibrous joint? [16]
7. Discuss about Blood groups. What is the composition and function of Blood? [16]
8. Describe the exocrine secretions of pancreas and their functions in detail. [16]

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