

**BDS FIRST PROFESSIONAL EXAMINATION 2007
PHYSIOLOGY**

TABLE OF SPECIFICATIONS

Topic/ Chapter Wise Distribution of MCQs and SEQs

Topic/ Chapter	No. of MCQs	No. of SEQs
Basic & Cell Physiology	4	1
Nerve & Muscle	6	2
Renal Physiology	4	1
Blood Physiology	7	2
Respiration	5	2
CNS & Special Senses	10	3
GIT	1	1
Endocrines	3	1
Heart & Circulation	5	2
Total	45	15

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|---|--------------|
| 1. Basic & Cell Physiology | 4 |
| - Cell Membrane | 1 |
| - Organelle | 2 |
| - Functional System of Cell | 1 |
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2. Nerve and Muscle |
6 |
| - Transport of ions and molecules | 1 |
| - Physiological anatomy of skeletal and smooth muscle | 1 |
| - Neuro Muscular Transmission | 1 |
| - Common Diseases | 1 |
| - Muscle Contraction | 1 |
| - Rigor Mortis | 1 |
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3. Renal Physiology |
4 |
| - Glomerular Filtration | 1 |
| - Urine Formation | 3 |

4. Blood Physiology	7
- RBC	2
- Leukocytes	1
- Disorders of WBC	1
- Hemostasis	1
- Blood Groups	1
- Clotting Cascade	1
5. Respiration	5
- Pulmonary Volumes & Capacities	1
- Gas Exchange & Transport	2
- Regulation	1
- Respiratory Changes at Exercise	1
6. CNS & Special Senses	10
- Sensations & Pathways	1
- Organization & Functions of Spinal Cord	2
- Organization & Functions of Cerebellum	1
- Organization & Functions of Motor Cortex	1
- Organization & Functions of Autonomic Nervous System	1
- States of Brain Activity	1
- Cerebral Spinal Fluid	1
- Functions of Hypothalamus	1
- Special Senses	1
7. GIT	1
- Functions of Small Intestine	1
8. Endocrines	3
- Function & Abnormalities of Pituitary Hormones	3
9. Heart & Circulation	5
- Circulatory Shock	1
- Coronary Circulation	1
- Cardiac Output	1
- Arterial Pressure Regulation	1
- Control & Regulation of Blood Flow	1