Ministry of Higher Education

Badakhshan Medical College
Faizabad

Contents of (Human) Physiology

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B. The cell and its function
C. Genetic control of protein synthesis, cell function and cell reproduction

II. Membrane physiology, nerves and muscles

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B. Membrane potentials and action potentials
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D. Excitation of skeletal muscle
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-excitation-contraction coupling
E. Contraction and excitation of smooth muscle

III. The heart

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C. The normal electrocardiogram
D. Electro cardiographic interpretation of cardiac muscle and coronary abnormalities and their ECG interpretation

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E. nervous regulation of the circulation, and rapid control of arterial pressure
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E. Energetics and metabolic rate
F. Body temperature, temperature regulation and fever

XI. Endocrinology and reproduction

XII. Sports physiology

References:

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2. McArdle. *Exercise physiology*, 1991.
3. De Groot. *Endocrinology*, 2nd ed, 1989.
4. Aminuff, M. *Neurology and General Medicine*, 1994.
5. Martini. *Anatomy and Physiology*, 1997.