

## **2<sup>ND</sup> SEMESTER FINAL EXAM REVIEW GUIDE**

This sheet may be used as good review of terms and concepts, but it is not "all inclusive." Study class notes, textbook, textbook CD, Unit Packets, Unit Packet Objectives, labs and **this guide**.

### **UNIT 7B – HUMAN EVOLUTION** (9 Questions) Ch. 17 p. 368-378 and Ch. 13 p. 258-259 (*Recommendation: Read all of these pages!*)

Evolution of primates

Evolution of humans and human ancestors

Hominids: *Australopithecus*, *Homo habilis*, *Homo erectus*, *Homo sapiens*

Characteristics of primates

Bipedalism, opposable thumb, evolution of brain, hair, jaws, face, chin, parental care

Multiregional hypothesis vs. "Out of Africa" hypothesis

Hardy-Weinberg law – problems and definition (3 questions)

### **UNIT 8 – CLASSIFICATION & DIVERSITY** (20 Questions) Ch. 14, 15, 16, 17

3 Domain System – list & describe 3 domains

Classification system – 7 taxon system - KPCOFGS

How are organisms classified?

Kingdoms – characteristics of

Binomial nomenclature

Phylogenetic tree

Invertebrate body patterns – types of symmetry

Invertebrates – characteristics of **each phyla**

Invertebrates: body segments, appendages, jointed or non, # of body openings, # of legs

Vertebrates – characteristics of **each class**

Endothermic vs. ectothermic

Mammals – characteristics of

Vertebrate hearts – chambers

single vs. double loop circulation and lungs vs. gills

oviparous, viviparous, ovoviviparous

### **UNIT 9 – PLANTS** (33 questions) Ch. 16, 28, 29

Origin of plants

Characteristics of plant kingdom

Gymnosperms

Angiosperms

Monocot vs. Dicot

Growing seasons of plants – annuals, perennials, biennials

Flower - parts and functions

Double fertilization of flowers – steps of

Fruits – examples of, characteristics of, plant part

Seeds

Pollination

Leaf – parts of

Greenhouse Effect / global warming

Vascular system-xylem and phloem

Growth of a plant – stems and roots

Root – parts of, how growth occurs

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## 2nd Semester Final Review Guide:

**The National Guide to Educational Credit for Training Programs** American Council on Education, 2005 Highlights over 6 000 educational programs offered by business labor unions schools training suppliers professional and voluntary associations and government agencies

**A Practical Guide for Nurse Practitioner Faculty Using Simulation in Competency-Based Education** Pamela R. Jeffries, Pamela Slaven-Lee, 2024-01-09 Authored by expert simulation researchers educators nurse practitioner faculty and clinicians A Practical Guide for Nurse Practitioner Faculty Using Simulation in Competency Based Education looks at topics related to simulation design development and implementation for nurse practitioner and other graduate level nursing programs *Manual with Course of Study in Language, Grammar and Composition for the Elementary Schools of Indiana* Indiana. Department of Public Instruction, 1926 **Bulletin** ,1931

**A Guide to the Courses in Social Anthropology** University of Nebraska (Lincoln campus). Department of Political Science and Sociology, 1909 Teacher's Guide for An Introduction to American Civilization Harold Ordway Rugg, James Edgar Mendenhall, 1929

**Guide to the Evaluation of Educational Experiences in the Armed Services** American Council on Education, 1978 Thesis Guide Pennsylvania State University. Graduate School, 1993 Birmingham Public Schools : Course of Study and Manual of Instruction : for the Use of Teachers in Elementary Schools Birmingham Public Schools (Birmingham, Ala.), 1916

**The 1984 Guide to the Evaluation of Educational Experiences in the Armed Services** American Council on Education, 1984

**The 2002 Guide to the Evaluation of Educational Experiences in the Armed Services** American Council on Education, 2002 Long considered to be the standard reference work in this area this three volume set describes more than 8 000 courses offered between January 1990 and the present by various service branches and the Department of Defense Long considered to be the standard reference work in this area this three volume set describes more than 8 000 courses offered between January 1990 and the present by various service branches and the Department of Defense Updated every two years Peterson's Guide to Graduate Programs in Business, Education, Health, Information Studies, Law and Social Work 1997 Peterson's, 1996-12-15 This guide contains listings for the most popular professions covering over 13 000 programs in advertising allied health business dentistry education health administration human resources development law medicine nursing optometry pharmacy podiatry public health social work veterinary medicine and more

**Course of Study in Spelling, Penmanship and Music** Superior (Wis.). Board of Education, 1920 *Course of Study in Shorthand for Indiana Schools* Indiana. Department of Public Instruction, 1931 *Pennsylvania School Journal* , 1925 Includes Official program of the meeting of the Pennsylvania State Educational Association sometimes separately paged

**2004-2005 Guide to Educational Credit by Examination** Jo Ann Robinson, Troy Polite, Nancy Musick, 2004 *Professional Safety* , 1997 A Guide to Educational Programs in Noncollegiate Organizations , 1982 Peterson's Guide to Graduate Programs in the Humanities, Arts, and Social Science Peterson's Guides, Inc, 1992

**Western Reserve University Bulletin** Western Reserve University, 1930 Beginning 19 each bulletin contains details of curricula course description college rules etc for one of the schools or colleges at Western Reserve University

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