KNOWLEDGE TESTS

Purpose: To encourage Health Occupations students to explore and learn about selected health care careers and to assess knowledge in health occupation related areas.

Description of Event: Each "Knowledge Test" will be a 100 item multiple choice written exam with an essay tie-breaker question. Each test will be related to a specific career or specialty area from within the health care community or related information that applies to several health specialties. Questions will measure knowledge at the recall, application and analysis levels. Students will select only one test and each test will be considered a separate event. Students will be given 1 1/2 hours to complete the examination.

Dress Code: Competitors must be in official HOSA uniform or in proper business attire. Bonus points will be awarded for proper dress.

Rules and Procedures:
1. Students competing in the event must be or have been enrolled in a state approved approved Health Occupations program at the appropriate level (secondary or postsecondary/collegiate).
2. The test shall be developed from the National HOSA test item bank.
3. One essay question will be administered with the original test. In case of a tie, the essay question will be judged and used to break the tie.
4. The test plans and resources for the Knowledge Tests for 2002-03 are:

HUMAN GROWTH AND DEVELOPMENT
All stages include biophysical, mental/cognitive, social, and emotional development.

- Prenatal 10%
- Infancy and Toddler 15%
- Early Childhood 10%
- School-age 10%
- Adolescent 15%
- Young Adulthood 10%
- Middle Adulthood 10%
- Older Adulthood 15%
- Death and Dying 5%

References for Human Growth and Development
- Simmers, Louise, Diversified Health Occupations, Delmar, Latest edition
NUTRITION

- Carbohydrates 10%
- Fats 10%
- Proteins 15%
- Vitamins & Minerals 15%
- Diet Through Life Span 10%
- Chemical and Digestion – Physical 10%
- Cultural Influences 5%
- Diet Modification 15%
- Food related illnesses and allergies 10%

References for Nutrition


PATHOPHYSIOLOGY

- Disease Process and Terminology 12%
- Body Systems: Integumentary 8%
- Skeletal 8%
- Muscular 8%
- Cardiovascular 8%
- Lymphatic 8%
- Respiratory 8%
- Digestive 8%
- Endocrine 8%
- Nervous 8%
- Special Senses 8%
- Reproductive 4%
- Genito-urinary 4%

References for Pathophysiology

PHARMACOLOGY
Safety will be integrated throughout the test plan
- Basic Concepts in Pharmacology 12%
- Career Opportunities in Pharmacology 3%
- Ethical and Legal Responsibilities 10%
- Pediatrics and Geriatrics Adaptations 10%
- Drug Names, Classifications, Action, and Interactions 30%
- Drug Administration 20%
- Drug Measurement, Dosage Considerations, Conversions 10%
- Technologies in Pharmacology 5%

References for Pharmacology

CONCEPTS OF HEALTH CARE
- History/Trends in Health Care 30%
- Communications/Personal Relationships 15%
- Health Care Delivery System 10%
- Legal/Ethical Considerations 30%
- Cultural Diversity Considerations 15%

References for Concepts of Health Care

5. Competitor numbers will be pre-assigned.

6. All competitors shall report to the site of the event at the time designated for the event orientation. The test will immediately follow the orientation. **No proxies will be allowed for the orientation.** No study materials are allowed in the room.

7. All competitors will be given a test with the test items turned face down. The competitors will be given instructions and required to enter their competitor number and level on the cover sheet of the test, as well as on the scantron answer form. After instructions have been given to the competitors, they will be notified to start the test. There will be a maximum of 1 1/2 hours to complete the test. Competitors should leave the testing site promptly after completion of the test.

8. Competitors must be familiar with and adhere to the "General Rules and Regulations of the National HOSA Competitive Events Program."

Knowledge Tests (July 2002)
**Required Personnel (Per Section): No sections within levels.**

1. One Event Manager (per event)
2. One section leader for each test area
3. Monitors/Graders (if Scantron machine is not used)
4. Test proctors
5. One judge who is considered by the National HOSA Competitive Events committee to be an expert in the area being tested - to grade the essay questions in case of a tie
6. Two or more Courtesy Corps members

**Facilities, Equipment and Materials (Per Section):**

1. One room to accommodate the total number of competitors
2. Tables/chairs, tablet arm chairs, or schoolroom desks/chairs for total number of competitors
3. Table/chairs for event personnel to provide for registration, grading of tests, and materials distribution
4. Official reference books

*** 5. Number two pencils with an eraser shall be brought to the competition by the competitor.
6. Test packets which are pre-numbered and Scantron answer forms
7. Scantron machine (if not graded by hand)
8. Answer keys

***To be brought to competitive event by competitors.