
Troop 325 Merit Badge Midway



Medicine

Requirements were REVISED effective January 1, 2005.

Study pamphlet. Prepare for #1. Do 7a and 10.

1. Discuss with your counselor the influence that EIGHT of the following people or events had on the history of medicine:
 - A. Hippocrates
 - B. William Harvey
 - C. Antoine van Leeuwenhoek
 - D. Edward Jenner
 - E. Florence Nightingale
 - F. Louis Pasteur
 - G. Gregor Mendel
 - H. Joseph Lister
 - I. Robert Koch
 - J. Wilhelm Conrad Roentgen
 - K. Marie and Pierre Curie
 - L. Walter Reed
 - M. Karl Landsteiner
 - N. Alexander Fleming
 - O. Jonas Salk
 - P. James Watson and Francis Crick
2. Explain the Hippocratic Oath to your counselor, and compare to the original version to a more modern one. Discuss to whom those subscribing to the original version of the oath owe the greatest allegiance.
3. Discuss the health-care provider-patient relationship with your counselor, and the importance of such a relationship in the delivery of quality care to the patient. Describe the role of confidentiality in this relationship.
4. Do the following:

- A. Describe the roles the following people play in the delivery of health care in your state.
(Note: Not all may exist in your state.)
1. Physician
 2. Chiropractor
 3. Optometrist
 4. Podiatrist
 5. Pharmacist
 6. Psychologist
 7. Physician's assistant
 8. Nurse practitioner
 9. Nurse-midwife
 10. Registered Nurse
 11. Licensed vocational/practical nurse
 12. Medical assistant
 13. Emergency medical technician
 14. Medical laboratory technologist
 15. Radiologic technologist
 16. Physical therapist
 17. Occupational therapist
 18. Respiratory therapist
- B. Describe the educational and licensing requirements for five of those in 4a --other than 4a(1)- - practicing health care in your state.
- 5.
- A. Tell what is meant by the term "primary care" with regard to a medical specialty. Briefly describe the types of work done by physicians in the following "core" specialties:
1. Internal medicine*
 2. Family practice*
 3. Obstetrics/gynecology*
 4. Pediatrics*
 5. Psychiatry
 6. Surgery
- B. Describe the additional educational requirements for these specialties.
- 6.
- A. Briefly describe the types of work performed by physicians in FIVE of the following specialties or subspecialties:
1. Allergy/immunology
 2. Anesthesiology
 3. Cardiovascular disease
 4. Colon and rectal surgery
 5. Dermatology
 6. Emergency Medicine
 7. Endocrinology and metabolism
 8. Gastroenterology
 9. Geriatric medicine
 10. Hematology/oncology
 11. Infectious disease
 12. Nephrology
 13. Neurological surgery

14. Neurology
 15. Nuclear medicine
 16. Ophthalmology
 17. Orthopedic surgery
 18. Otolaryngology/head and neck surgery
 19. Pathology
 20. Physical medicine and rehabilitation
 21. Plastic, reconstructive, and maxillofacial surgery.
 22. Preventive medicine
 23. Radiology
 24. Rheumatology
 25. Thoracic/cardiothoracic surgery
 26. Urology
 27. Vascular surgery
- B. Describe the additional educational requirements for the five specialties or subspecialties you chose in 6a.
- 7.
- A. Visit a physician's office,** preferably one who delivers "primary care." (This may be that of your counselor.) Discuss the components of a medical history and physical examination (an official BSA health form may be used to guide this discussion), and become familiar with the instruments used.
 - B. Describe the characteristics of a good diagnostic test to screen for disease (e.g. routine blood pressure measurement). Explain briefly why diagnostic tests are not perfect.
 - C. Show how to take a blood pressure reading and a pulse reading.
8. Do the following:
- A. Discuss the roles medical societies, the insurance industry, and the government play in influencing the practice of medicine in the United States.
 - B. Briefly tell how your state monitors the quality of health care within its borders, and how it provides care to those who do not have health insurance.
9. Compare and discuss with your counselor the health care delivery systems in the United States, Sweden, and China.
10. Serve as a volunteer at a health-related event or facility in your community (e.g. blood drive, "health fair", blood pressure screening, etc.) approved by your counselor.

* "Primary care" specialties

** If this cannot be arranged, demonstrate to your counselor that you understand the components of a medical history and physical, and discuss the instruments involved.

For requirement 7a, you can click on one of the following links to get a copy of the Annual Health and Medical Record (No. 34605). The new form, which may be used immediately, replaces the former Class 1, 2, and 3 Personal Health and Medical Record Forms, which will be phased out in 2009. The new form will be required effective January 1, 2010, as well as for the 2010 National Scout Jamboree. The new form is designed to be filled in and saved

on your local computer and then printed out on either 8 1/2" x 11" or 11" x 17" sheets.

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