

- (b) Asphyxia.  
(c) Hyperpyrexia.
7. State four causes of rapid pulse and one of slow.

*Anatomy and Physiology.*

1. (a) Name three bones in the upper extremity.  
(b) What is the chemical composition of bone?  
(c) State what you know about bone marrow.
2. (a) What is the periosteum?  
(b) State its use.  
(c) State kinds of muscular tissue and give examples.
3. (a) Name the vessels entering and leaving the heart and state which chamber each one enters and leaves.  
(b) Name the valves of the heart.  
(c) State the function of each valve.
4. (a) What changes does the blood undergo in the lungs?  
(b) What is the normal respiration?  
(c) Mention some conditions in which respiration is increased.
5. (a) Where is the diaphragm?  
(b) What is its function?
6. (a) State the functions of the saliva.  
(b) Name the active principle.  
(c) Name the chief constituents of gastric juice.  
(d) Upon what kinds of food does it act?
7. (a) Name the parts of the alimentary canal from the mouth to the anus.  
(b) Locate the liver.  
(c) State what you know about bile.
8. (a) Define the terms chyme, chyle, peristalsis.  
(b) Locate the vermiform appendix.
9. (a) Locate the spleen.  
(b) Name three localities where lymph glands are found.
10. (a) Name the subdivisions of the brain.  
(b) Define motor, sensory, and mixed nerves.  
(c) What would be the effect of cutting one of the last named?

*Surgery.*

1. (a) What is a simple fracture?  
(b) What is a compound fracture?  
(c) What care does each require?
2. (a) What are the ordinary methods of stopping hæmorrhage?  
(b) What are the dangers of using pressure in hæmorrhage?
3. How may a patient in shock be revived?
4. (a) Give the signs and symptoms of internal concealed hæmorrhage.  
(b) What should be done when such a condition is suspected?
5. Name  
(a) Four general anaesthetics.  
(b) Three local.

*Practical Nursing.*

(By Superintendent of the School.)

1. Describe the correct method of dusting a ward.
2. (a) How should the bed linen and other clothing belonging to a typhoid be cared for?  
(b) How would you treat typhoid evacuations?  
(c) What is the necessary care of the mouth of a typhoid?
3. What would you do with dressings removed from a wound?
4. How would you prevent a bed-sore?

5. Describe the correct method of filling  
(a) A hot-water bag.  
(b) An ice cap.
6. When not in use, how would you care for the following:  
(a) Rectal tubes and rubber catheters?  
(b) Glass douche nozzles and retail points?  
(c) Nursing bottles?  
(d) Nipples of nursing bottles?  
(e) Hypodermic syringes?

*Dietetics.*

(By Teacher of Cookery.)

1. (a) What is a food?  
(b) Name the chief classes.
2. (a) Discuss water according to:  
(1) Daily outgo and income.  
(2) Uses.  
(3) Contamination and sterilisation.  
(b) What foods contain the most water?
3. State the principal salts of the body, with their uses and how obtained.
4. Fats.  
(a) Sources and uses.  
(b) Digestibility.  
(c) Dishes furnishing fats.
5. What arguments would you advance for the use of animal foods?
6. (a) When is milk diet advisable?  
(b) Methods of improving digestibility, with reasons?  
(c) How may taste be altered?
7. (a) What is the proper way of cooking albumen?  
(b) Illustrate by experiments with eggs.
8. (a) What does beef-tea contain?  
(b) Give three methods of preparation.
9. In what diseases is sugar forbidden, and why?
10. Discuss the cooking of starchy foods:  
(a) Cereals.  
(b) Vegetables.
11. (a) What are the chief uses of fruits?  
(b) Classify the fruits according to their properties.
12. (a) How may beverages be classified?  
(b) State good and evil effects of two of the following subjects:  
(1) Tea.  
(2) Coffee.  
(3) Cocoa.
13. (a) Would you consider alcohol a food?  
(b) Give reasons.
14. Give a dietary to be used in two of the following diseases:  
(a) Bright's.  
(b) Typhoid.  
(c) Diabetes.

*(To be continued.)***Legal Matters.****THE DEATH SENTENCE.**

The trial of Amelia Sach and Annie Walters, described in the Press as "Nurses" and "Midwives," on a charge of murder at the Central Criminal Court, before Judge Darling, last week, terminating in the verdict of "Guilty" and the passing of the death sentence, has attracted wide attention, and has

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