

3794.30

THE NORTHERN DISTRICT SCHOOL OF NURSING
ANATOMY AND PHYSIOLOGY AND HYGIENE EXAMINATION.

FIRST YEAR BLOCK

SCHOOL 50.

Time allowed: 2½ Hours.

Friday 5th March, 1962.

IMPORTANT Read your questions carefully.
Answer only what is asked as
nor marks will be given for irrelevant matter.
All questions to be answered.

1. Discuss the prevention of contamination of food in the ward, under the following headings:-
 - (a) Storage.
 - (b) Distribution.
 - (c) Disposal of waste.15 Marks.
2. (a) What substances are necessary for the clotting of blood. 4 Marks.
(b) Describe this process. 6 Marks.
3. Name the chief structures which are found at the hilum (root) of the lung.
What are their functions. 10 Marks.
4. (a) Draw and label a diagram of the large intestine. 5 Marks.
(b) Write notes on its functions. 2 Marks.
5. Name the Salivary glands, state their location, and the situation in the mouth where the ducts open. 6 Marks.
6. Give one example of where each of the following may be found in the body:-
 - ✓(a) Synovial membrane
 - ✓(b) Cancellous bone
 - ✓(c) Adipose tissue
 - ✓(d) Fibrous connective tissue.
 - ✓(e) Elastic cartilage.5 Marks.
7. Discuss the liver under the following headings:-
 - (a) Macroscopic appearance. 3 Marks.
 - (b) Blood vessels entering and leaving the liver and their function. 5 Marks.
 - (c) The bile ducts from the liver and gall bladder. 3 Marks.
8. Write short notes on:-
 - (a) Insulin
 - (b) Left ventricle of the heart
 - (c) External respiration.12 Marks.
9. (a) Name the bones taking part in the elbow joint. 2 Marks.
(b) What movements take place at the elbow joint? 1 Mark.
✓(c) What is the main function of the periosteum? 1 Mark.
(d) Which of the foodstuffs do the skeletal muscles utilize best as a supply of energy? 1 Mark.
(e) State the function of the sphincter ani. 1 Mark.
10. (a) What is the specific gravity of normal urine? 1 Mark.
(b) What factors influence this? 4 Marks.
11. Name the arteries via which blood reaches the stomach from the heart. 3 Marks.
12. State the gland of origin and function of each of the following:-
 - (a) Thyroxin
 - (b) Adrenalin
 - (c) Parathormone
 - (d) Oestrogen
 - (e) Testosterone.10 Mar'