

FIRST YEAR BLOCK

GROUP B

14.11.62

Allow 2 1/2 Hours

Handwritten notes: 71, 8-9, 500, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

IMPORTANT - Read questions carefully,
Answer only what is asked.
Use diagrams where possible.
All questions to be answered.

1. A. Discuss briefly the part which the skin plays in the heat regulating mechanism of the body. 3 marks.
B. Name 2 other functions of the skin. 2 marks.
2. A. Name the main vessels through which blood passes from the heart to the hand. 5 marks.
B. What mechanisms assist in the return flow of blood from the foot to the heart. 5 marks.
3. What type of tissue forms
 - A. Lining of the blood vessels 1 mark.
 - B. Muscle sheath 1 mark.
 - C. Outer covering of the lungs 1 mark.
 - D. Lining of the vagina 1 mark.
 - E. Intervertebral discs. 1 mark.
4. A. Where is the olecranon process situated? 1 mark.
B. What is meant by pronation of the hand? 1 mark.
C. In which joint is the legamentum teres? 1 mark.
D. Of which bone does the acromion form a part? 1 mark.
E. Which of the foodstuffs do skeletal muscles utilise best as a supply of energy? 1 mark.
F. State the functions of
 - i. Quadriceps femoris muscle 1 mark.
 - ii. Biceps muscle. 1 mark.
 - iii. Intercostal muscles 1 mark.
 - iv. Sphincter Ani. 1 mark.
- G. Which part of the brain controls voluntary muscle movement? 1 mark.
5. List the contents of the abdominal cavity. 10 marks. RA RA
6. A. What is the use of protein in the body. 1 mark.
B. Name 4 foods which contain protein. 4 marks. RV EV
7. Indicate the importance of the following
 - A. Heart valves *pumps back flow of blood* 2 marks.
 - B. Coronary arteries 2 marks.
 - C. Myocardium 2 marks.
 - D. Valves in veins 2 marks.
 - E. The muscle of arterioles. 2 marks.
8. Name an important use in the body for each of the following
 - A. Vitamin K.
 - B. Vitamin A.
 - C. Vitamin B 12.
 - D. Bile
 - E. Hydrochloric acid.5 marks.
9. A. How does expired air differ in its composition from inspired air? 4 marks.
B. Give 2 important reasons why ventilation of a crowded room is essential for health. 2 marks.
10. Describe the pulmonary circulation. 5 marks.