**Shahjalal University of Science &Technology, Sylhet**

1st year B.Sc in Nursing Final Examination,

Subject:Physiology,Code-B-124

Question Type- SAQ

Time : 2:40 min Marks :70

Group- A

Short Questions : Answer any Three questions from the following. (5×3)

Q. 1 a) Define physiology? 1

b) Name the branches of Physiology. 2

c) what are the membranous organelle of cell? 2

Q.2 a) Define cardiac cycle. 1

b) what are the events of cardiac cycle? 2

c)define

Q.3 a) Write down the name of life saving hormone. 1

b) Name the hormones secreted from pancreas. 2

c) Write down the function of insulin. 2

Q.4 a) What is inspiration ? 1

b) What are the functions of nose ? 2

c) What are the components of blood gas analysis ? 2

Essay type question (Answer any Two Question from the following )

Q.5 Define and classify blood pressure with normal range. Name the junctional tissues of heart. 10

Q.6 Enumarate the formed elements of blood with their normal values. What are the essential coagulation factors. What do you mean by Universal donor of blood ? 10

Q.7 Define hormone. Name the essential endocrine glands in the body. Why they are essential ? 10

Group- B

Short Questions : Answer any Three questions from the following. (5×3)

Q.1 a) Define menstruation. 1

b) Write down the composition of menstrual blood. 2

c) Enumarate the phases of menstrual cycle. 2

Q.2 a) What is nephron? 1

b) How can you diagnose protein in urine ? 2

c) Write down the basic mechanism of urine formation ? 2

Q.3 a ) Define lactation. 1

b) What are the phaLges of lactation. 2

c) Mention the name of hormones that responsible for lactation. 2

Q.4 a) Define accommodation reaction. 1

b) Name the refractive errors of eye. 2

c) List the common sites of recording body temperature. 2

Essay type question (Answer any Two Question from the following )

Q.5 Define jaundice. Classify jaundice. Write down the liver function tests. 10

Q.6 What are the major blood group system. Write down the difference between serum and plasma. 10 Q.7 Enumerate the hormones secreted posterior pituitary gland. What are the functions of ADH. Which disease occurs due to deficiency of insulin. 10