BRAINWARE UNIVERSITY

Term End Backlog Annual Examination, March- 2022

Programme – Bachelor of Science in Nursing

Course Name – Anatomy and Physiology

Course Code – BNS101

(Year – I)

Time allotted: 3 hrs. **Full Marks: 75**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable. Write answer of Section – A and Section –B in separate Answer booklet.]

Section – A

1. Write short answer on any *three* of the following: 3 x 5 = 15

(I) Fallopian tube. [5]

(II) Adrenal gland. [5]

(III) Blood groups. [5]

(IV) Nephron. [5]

(V) Gall bladder. [5]

2. Write the answer of the following: [3+7 = 10]

a) Enlist the different special sensory organs of human body.

b) Describe the structure of an eye ball.

3. Write the answer of the following (any *one*): 1 x 12= 12

(I) a) Enlist the organs of the cardiovascular system. [2+2+5+3=12]

b) Describe the heart under the following headings-

i) Location.

ii) Interior of the heart.

iii) Blood supply of the heart.

(II)

a) Define neuron. . [1+7+4=12]

b) Describe about the parts of the neuron.

c) Write about the properties of neuron.

Section –B

1. Write short answer on any *three* of the following: 3 x 5 = 15

(I) Cerebrospinal Fluid [5]

(II) Composition of blood [5]

(III) Hypoxia. [5]

(IV) Functions of Bone. [5]

(V) Digestion of protein [5]

2. Write long answer on any *one* of the following: 1 x 11= 11

(I) [3+6+2=11]

a) What are the important constituents of bile?

b) Explain the functions of Liver.

c) What is jaundice?

(II) [4+2+5=11]

a) Explain erythropoiesis?

b) Enlist the normal values of R.B.C. in adult male and female.

c) Mention the factors influencing erythropoiesis.

3. Write long answer of the following: [4+6+2=12]

a) What is diabetes mellitus?

b) Describe the role of insulin and glucagon in regulation of blood glucose level.

c) Mention normal blood glucose level of adult male and female.
