Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Sc. Allied Health Sciences Degree Examination - 22-Nov-2024

Time: Three Hours Max. Marks: 100

PHYSIOLOGY

(RS-3 - B.Sc Cardiac Care Technology, Perfusion Technology, Renal Dialysis Technology, Respiratory Care Technology, Neuro Sciences Technology, Anesthesia Technology, Operation Theatre Technology, Emergency and Trauma Care Technology)
(RS-4 - B.Sc Medical Laboratory Technology, Medical Imaging Technology and Radiotherapy Technology)
Anesthesia and Operation Theatre Technology

O.P. CODE: 3262

Your answers should be specific to the questions asked Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Second Question Choice)

 $2 \times 10 = 20 \text{ Marks}$

- 1. Explain oxygen transport in the blood. Describe oxygen hemoglobin dissociation curve. Add a note on P_{50}
- 2. Name the hormones of adrenal gland. Describe the actions of cortisol

OR

Describe gastric juice under the following a) Composition b) Functions c) Phases of secretion d) Regulation of secretion

SHORT ESSAYS (Question No 5 & 10 choice)

 $10 \times 5 = 50 \text{ Marks}$

- 3. Define Hypoxia. Explain the types of hypoxia
- 4. Differentiate between upper and lower motor neuron lesion
- 5. Describe the stages of spermatogenesis

OR

Chemical regulation of respiration

- 6. Erythroblastosis fetalis
- 7. Define blood pressure. Give the normal value. Describe the regulation of blood pressure by Baroreceptor
- 8. Give the normal value of blood calcium level. Briefly explain its hormonal regulation
- 9. Name the posterior pituitary hormones. Describe their physiological actions
- 10. Describe the micturition reflex

OR

Functions of hypothalamus

- 11. Define deglutition. Describe the second phase of deglutition
- 12. Explain the functions of kidney

SHORT ANSWER (Question No 15 & 20 choice)

 $10 \times 3 = 30 \text{ Marks}$

- 13. Draw a neat labelled diagram of nephron
- 14. List the functions of liver
- 15. Artificial respiration

OR

Define diffusion. Mention the types

- 16. List the functions of platelets
- 17. Define Jaundice. Mention the types
- 18. Importance of blood grouping
- 19. Draw a neat labelled diagram of ECG. Write the cause of each wave
- 20. List the functions of blood

OR

Contraceptive methods in male

- 21. Define anticoagulant. Write the mechanism of action of any one
- 22. Define dead space. List the types of dead space. Give its normal value
