

BLDE (DEEMED TO BE UNIVERSITY)

July - Aug - 2021

B.Sc. ALLIED HEALTH SCIENCES

[Time: 3 Hours]

[Max. Marks: 80]

I SEMESTER

PAPER – II (PHYSIOLOGY)

QP CODE: 8126,8131,8136,8141,8146,8151,8156,8161,8166,8171,8181

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X1 = 10 Marks

1. Define cardiac output. Mention its normal value. Describe the regulation and measurement of cardiac output.

Short Essays: (Any – 8)

5 X 8 = 40 Marks

2. Define compliance. Discuss the factors affecting it.
3. Define immunity. Mention its types
4. Describe the functions and mechanism of regulation of secretion of pancreatic juice
5. Draw neat and labeled diagram of neuromuscular junction and transmission of impulse across it.
6. Describe the short term regulation of blood pressure
7. Blood transfusion reactions.
8. Describe the functions of plasma proteins
9. Define action potential. Describe briefly the sequence of events during its development
10. Coronary circulation: Definition, Diagram, Description, Factors influencing it & Special features.

Short Answers: (Any – 10)

3 X 10 = 30 Marks

11. List the differences between Active and passive transport mechanisms across cell membrane
12. Differentiate between first and second heart sounds
13. Draw a neat and labeled diagram depicting cardiac pace maker potential
14. Draw a neat and labeled diagram showing changes in intrapleural and intrapulmonary pressures during phases of respiration.
15. List the functions of liver
16. Define the following terms & give normal values of a. Vital Capacity b. Timed Vital Capacity
17. List the functions of a. Lysosome b. Endoplasmic Reticulum c. Golgi apparatus
18. V/P ratio
19. All or none law
20. Hemophilia
21. Functions of saliva