

JANUARY - 2013

BLDE UNIVERSITY
MBBS PHASE – I EXAMINATION

[Time : 3 Hours]

[Max.Marks : 100]

PHYSIOLOGY – PAPER - I

QP CODE : 1003

Your answer should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

Each answer should be written on new page only.

Write Question No. in left side of margin.

Long Essay: (Answers to be started on fresh page only)

2x10=20

1. Describe the oxygen transport in the arterial blood and what are the factors shifting the oxygen dissociation curve to Right? (6+4)
2. What is normal heart rate? Explain the nervous and chemical factors influencing it. What is oculo cardiac reflex. (2+6+2)

Short Essay: (Answers to be started on fresh page only)

10x5=50

3. Mechanism of glucose transport in proximal convoluted tubules.
4. Extrinsic pathway of coagulation
5. Venous return
6. Surfactant
7. Spirogram
8. Factors affecting cardiac output
9. Stages of Erythropoiesis
10. Juxtaglomerular apparatus
11. Regulation of gastric juice secretion
12. Movements of small intestine

Short Answers: (Leave three lines gap between the answers)

10x3=30

13. Erythroblastosis foetalis
14. Pacemaker potential
15. Functions of T and B lymphocytes
16. Erythrocyte sedimentation Rate.
17. Endoplasmic reticulum and its functions
18. Cystometrogram
19. Composition of pancreatic juice
20. Chylomicrons
21. Bile salts
22. Artificial kidney.

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[Time : 3 Hours]

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PHYSIOLOGY – PAPER - II
QP CODE : 1004

Your answer should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.
Each answer should be written on new page only.
Write Question No. in left side of margin.

Long Essay: (Answers to be started on fresh page only)

2x10=20

1. Describe Calcium Homeostasis in the body. Add a note on tetany
2. Classify motor tracts. Describe the Pyramidal tract. Add a note on hemiplegia.

(7+3)

(2+6+2)

Short Essay: (Answers to be started on fresh page only)

10x5=50

3. Taste bud.
4. Sertoli cells.
5. Indicators of ovulation.
6. Function of Placenta.
7. Sterngh-Duration curve.
8. Fat metabolism in diabetes.
9. Neuro-endocrine reflex.
10. Actions of cortisol on carbohydrate, proteins and fat metabolism
11. EEG.
12. Endogenous pain inhibiting system.

Short Answers: (Leave three lines gap between the answers)

10x3=30

13. Law of projection.
14. Bell Magandie law.
15. Argyl-Robertson pupil.
16. Conduction Deafness.
17. Cryptorchidism.
18. Signs of tetany.
19. Graves diseases .
20. Rigor mortis.
21. Lohman's reaction.
22. Role of skin in thermoregulation.