(Turn Over)

the contraction of 0.2 4 measure of the land of Menthing Add a note on the transport of (FYUGP:) sold and ni coo 1043=13 (5th Semester) 31=8×N1 Write notes on the following ZOOLOGY Respiratory pigmenta (Major) (b) Paper Code: ZOO/C9 (T) (Physiology : Life Sustaining Systems) ladney and elaborate the mechanism of urine Full Marks: 75 5+10=15 Pass Marks: 40% regulation necessary? Explain The figures in the margin indicate full marks for the questions 1. Write notes on absorption of the following: : gaiwoller and no seton o.71/2×2=15 SI=CXMT (a) Carbohydrates cold io noitisogmo (b) Lipids (b) Haemostasis What are enzymes? Mention and explain the various enzymes that help in the digestion in the gastrointestinal tract. 2+13=15

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2. Give an account on the mechanism of breathing. Add a note on the transport of CO₂ in the blood. 10+5=15

or or

Write notes on the following:

 $7\frac{1}{2} \times 2 = 15$

- (a) Respiratory pigments
- (b) Oxygen dissociation curves
- 3. With proper diagram, explain the structure of kidney and elaborate the mechanism of urine formation. 5+10=15

Direction of the Color of the C

Or

Why is osmoregulation necessary? Explain the different types of osmoregulation in animals.

3+12=15

4. Write notes on the following:

7½×2=15

(a) Composition of blood and its functions

con absolute of the following:

(b) Haemostasis

Or.

Give a detailed account on the blood group system in humans.

5. How is blood pressure determined? Explain blood pressure and its regulation. 3+12=15

Or

Write notes on the following:

 $7\frac{1}{2} \times 2 = 15$

- (a) Electrocardiogram
- (b) Cardiac cycle

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