LNMUonline.com Zoology (Sub./Gen.)

| ١. | Ansy or five questions, selecting two fr Sele the correct answer of the follow | rom each Group whered ring : | 25 Q.No. 1 is compaisony. | |
|--------------------------------------|--|---------------------------------|----------------------------|--|
| | (a) ! Il theory was proposed by | | | |
| Watson and Crick (ii) Meselson and S | | (ii) Meselson and St | | |
| | i) Schleiden and Schwann | (iv) None of the above | ve | |
| | (b) he cell organelles called Suicidal ba | ags are | | |
| | HR (ii) Gotgi compl | ex (iii) Perioxisomes | (iv) Lysosomes | |
| | (c) he Latest model for plasma membra | | | |
| | Lamellar model (ii) Unit membrane model | | | |
| | ii) Fluid mosaic model | | (iv) Molecular lipid model | |
| | (d) ibosomes are the centre of | · | | |
| |) Respiration (ii) Pr tein synthesis (iii) Fat synthesis (iv) Glycolysis | | | |
| | (e) lycogen in our body is served in | | | |
| |) Liver (ii) Liver and spleen | | | |
| | iii) Liver and muscles | | (iv) Spleen and muscles | |
| | (f) _actose is made up of | | | |
| |) Glucose + Fructose | (ii) Glucose + Gluco | se | |
| | iii) Glucose + Galactose | | (iv) Fructose + Fructose | |
| | (g) Number of essential ami acids in a man is: | | | |
| | .)7 (ii) E | (iii) 10 | (iv) 14 | |
| | (h) The proteinous part of an enzyme is | | • • | |
| | i) Isoenzyme (ii) Apoenzyme | (iii) Coenzyme | (iv) Prosthetic enzyme | |
| | DNA replication take place during | | • | |
| | i) G-1 phase (ii) C-2 phase | (iii) S-phase | (iv) M-phase | |
| | (j) Prossing over occurs during: | (***, = , ****** | • | |
| | i) Zygotene (ii) Pachytene | (iii) Diplotene | (iv) Prophase | |
| | (k) The hormone which regulates the basal metabolism in our body is secreted from: | | | |
| | i) Pituitary (ii) Thyroid | (iii) Pancreas | (iv) Adrenals | |
| | (I) Diabetes mellitus occurs due to the h | * ' | • • | |
| | i) Oxytocin (ii) Vasopressin | | (iv) Insulin | |
| | (m Haemoglobin is a type of | (, | | |
| | (i) Vitamin (ii) Skin pigment (iii) Carbohydrate (iv) Respiratory pigment (n) meroblastic cleavage refers to one of the following types of division in eggs: | | | |
| | | | | |
| | (i) Incomplete (ii) Total | (iii) Spiral | (iv) Horizontal | |
| | (o) Human placenta is : | , | | |
| | | orial (iii) Yolk sac | (iv) Haemo-endothelial | |
| Group-A | | | | |
| 2. | Give an account of structure and classification of proteins. LNMUonline.com | | | |
| 3. | Describe properties of water as biological solvent. | | | |
| 4. | Describe ultra structure and functions of Chromosome. | | | |
| 5. | Define immunity. Give a brief idea of cellular basis of immunity. | | | |
| 6. | Write short notes on any three of the following: | | | |
| | (a) Free energy (b) Mitochondria (c) Ribosome (d) Cell cycle (e) Vitamins | | | |
| Group-B | | | | |
| 7 | Gi e an account of digestion of protein | • | | |
| | · a brief account of respiratory pigments. | | | |
| a construction of a dimensi his many | | | | |
| 9. | Explain types of eggs in vertebrates giving suitable diagrams. | | | |
| 10. | Describe the extra embryonic membrane in chick and their roles. | | | |
| Н. | Describe histophysiology of thyroid gland. | | | |