ZOOLOGY Max. Marks: 09 Time: 15 Minutes SECTION "A" MULTIPLE CHOIC **E QUESTIONS** Choose the correct answer for each from the given options: (i) In Archaeopteryx tail, the number of vertebrae is: 15 20 The excretory organs of cockroach are called: (ii) Malpighian tubules Nephridia Green glands Flame cells The enzyme used to seal the DNA is: (iii) Restriction enzyme Ligase enzyme Polymerase enzyme Endonuclease (iv) Number of Actin filaments surrounding each Myosin filament is: • 4 • 6 • 8 Gleno-humeral articulation is present in the: (V) Elbow • Knee • Shoulder • Thigh Emergency hormone is secreted by: (vi) Adrenal medula Adrenal cortex Pituitary gland The most advanced type of Insight learning Latent leaving (vii) Habituation This is an example of multifactoral defect: Down's Syndrome Diabetes mellitus Cystic fibrosis Cholera This percentage of the water of the world is retained as (ix) glaciers and polarice: • 0.052 • 2 • The study of abnormalities during embryonic (X) development is called: Embryology Gerontology Neurology Teratology Cells of bones are called: (xi) Oocytes • Osteocytes • Spermatocytes • Tendons ADH, Aldosterone and Parathormone influence the (xii) working of: Stomach CC Kidneys • Brain • Liver The science of Ageing is called: (xiii) Gerontology Haematology
This has been controlled by gene therapy: Teratology (xiv) Epilepsy • Diabetes Cystic fibrosis
 AIDS The unit of measurement intensity of noise level is: (XV)Litre • Decibel • Milligram • Metre The longest and strongest bone in the human body is: (xvi) Humerus • Radio Ulna • Femur • Sternum (xvii) If carbon dioxide is withdrawn from the biosphere, the first to experience negative biological effect will be: Primary consumers Secondary consumer Environment **Producers** (xviii) The interaction between a particular organism and its environment is called: Community • Fertilization • Ecosystem • Biosphere ZOOLOGY And God Time: 1 Hours 45 Minutes SECTION 'B' (SHORT-ANSWER QUESTIONS)(22) NOTE: Answer 11 questions from this section. Write about the different types of Neurons. 2.(i) Write a note on Lithotripsy or Acid Rain. (ii) Describe Osmoregulation in Terresterial animals. (ii) Define Renewable & Non-renewable resources and give (iv) examples. Write the basic steps of recombination DNA technology. (v) Explain Hardy Weinberg Law. (vi) Write four functions of Skeleton. (vii)

Write four functions of Skeleton.

Define Deamination. Draw the chart of Ornithine cycle.

Write four differences between Nervous coordination

and Chemical coordination.

(x) Write a note in DNA Fingerprinting.

(xi) Name the marked parts of the following Diagram.

nervous system.

(viii)

(ix)

(xiii) Write a note on Oestrous cycle.
 (xiv) Explain the role of Brain in the regulation of body temperature.
 (xv) What is the function Pelvic girdle? Warne is three important bones.

(xii) Write four differences between Diffused and Centralized

(xvi) Describe the functions of Encapsulated receptors of the Skin.

SECTION 'C DETAILED-ANSWER QUESTIONS

NOTE: Answer 2 question from this section(14)

 Define Menstrual cycle. Describe its various phases and the changes occurring in each phase.
 OR Define Endocrine glands. Describe Pituitary gland as

master gland.

4. Describe Nerve impulse under the following headings:

a) AMP

b) RMP

c) SYNAPSE

5. Describe Darwin theory of Natural selection and the

5. Describe Darwin theory of Natural selection and the objections raised against it.