2022 (A)

INTERMEDIATE PART-H (I / ULASS)

BIOLOGY PAPER-II

TIME ALLOWED: 2,40 Hou

MAXIMUM MARKS: 68 its part number on answer book, as given an the question paper. SECTION-I 8 x 2 = 16pt any eight parts. 2. What is pyrexia? Give the role of pyrogens. (i) What are heterotherms? Give examples. (ii) Differentiate between hemodialysis and peritoneal dialysis. (iii) Differentiate between epinasty and hyponasty. (iv) Write names of paired and unpaired bones of cranium. (v) Write about two skeletal deformities having genetic causes. (vi) Differentiate between short day and long day plants. (vii) Compare oviparous and viviparous conditions. (viii) What are coniferous alpine and coniferous boreal forests? (ix) Interpret layering as a characteristic of Grassland. (x) What are effects of ozone layer depletion? (xi) Why forests are considered as environmental buffers? (xii) 8 x 2 = 16 3. Attempt any eight parts. What will happen if the receptor sites on postsynaptic membrane are blocked (i) Which fundamental parts of human are involved in Reflex Arc? (ii) How coordination in plants is different from animers (m) Which type of genes do not obey lan vi manyengent assortment (iv) How can you protect the (v) Compare codominance with mountains dominates (vi) How Hyperchalestern can be cured by gene therapy (vii) (viii) What are i. ransgenic animals are developed (ix) Thy nutrient cycles are called biogeochemical cycles? (x) Name different stages of Xerosere. (xi) How root nodules help in the growth of plants? (xii) 6 x 2 = 12 Attempt any six parts. How biastoderm is formed and what is zone of junction? (i) Interpret apical dominance as a growth relation. (ii) Briefly discuss how DNA encodes protein structure. (iii) Give the conclusions of Erwin Chargaff. (iv) Interpret the molecular bases of sickle cell anemia. (v) What are two significant happenings of meiosis? (vi) Briefly discuss Turner's syndrome, with example. (vii) Differentiate between divergent and convergent evolutions? (viii) Define Hardy-Weinberg theorem. (ix) SECTION-II $3 \times 8 = 24$ NOTE: Attempt any three questions. How is concentration of excretory products maintained? Explain. 5.(a) 4 Describe the energy flow in the food chain of an ecosystem (b) How the skeletal system play a central role among the trunction of a body? 6.(a) Explain the semi conservative reproduction of DIVH by presenson & Stahl Experiment. (b)

Describe co-relation between was a survivine hormones regarding growth

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expenses, control and effects of sexually transmitted diseases.

Define and explain Mendel's Law of segregation of genes.

What is Lamarckism? Differentiate it from Neo-Darwinism.

What is Regeneration? Discuss at least four examples.

7.(a)

(b)

0.(4)

(b)

9.(a)

(b)

of an indivious.

Write a note on grown nouse effect.