BR- 1270 (ឆា. ฮ. បា. - 2018)

FIRST PUC ANNUAL EXAMINATION -2018

Time: 3-15 hours
No.of Pages: 02

Max Marks: 70
Total No.of Ques.: 37

General Instructions: i) This question aper consists of four parts A, B, C and D.

Part-D consists of two sections, Section-I and Section-II

ii) All the parts are compulsory.

iii) Draw diagrams wherever necessary. Unlabelled diagrams do not attract any marks.

PART-A

Answer the following questions in one word or in a sentence each: 10x1=10

- 1) Expand ICBN
- 2) Name any one taxonomical aid.
- 3) Mention the function of pneumatophore.
- 4) What is epidermis?
- 5) In which stage of Meio is I does synapsis occurs?
- 6) What is Guttation?
- 7) Why are root nodules pink in colour?
- 8) Give the other name for white bloods cells.
- 9) Where is the tricuspid valve found?
- 10) Which hormone supports pregnancy?

PART-B

Answer any FIVE of the following questions in 3 to 5 sentences each wherever applicable: 5x2=10

- 11) Write any two rules of binomial nomenclature.
- 12) Name the algal and fungal component of Lichens.
- 13) Differentiate between coelomate animals and Pseudocoelomate animals.
- 14) Which is the fluid connective tissue? Mention its function.
- 15) What are proteins? Name the bond present in the proteins.
- 16) Give the diagramatic presentation of a standard ECG.
- 17) List out the differences between skeletal muscles and Cardiac muscles.
- 18) Mention any four bones of lower limb of human beings.

PART-C

Answer any FIVE of the following questions in about 40-80 words each wherever applicable. 5x3=15

- 19) Define the following terms with regard to flower a Actinomorphic b Pentamerous c Hypogynous.
- 20) What is a vascular bundle? Name any two types of Vascular bundles.
- 21) State the differences between Animal cell and Plant cell.
- 22) Classify the enzymes based on the types of reactions they catalyse.
- 23) Give the diagrammatic view of cell cycle.
- 24) Define Oxygen dissociation curve. How is it useful?

- 25) Explain the following terms al Uremia bl Renal Calculi c] Micturition Name the glands which secretes the following hormones. 26) a] Thyroxine b]Melatonin c] Insulin PART-D Section-I Answer any FOUR of the following questions in about 200-250 words each The Marie wherever applicable: 4x5 = 20Enumerate the salient features of bryophytes. 27) 28) List out the differences between class-Chondrichthyes and class Osteichthyes. 29) Draw a neat labelled digram of external features of cockroach. 30) a] What is a Centromere? b] Classify the different types \of chromosomes based on the position of centromere. 31) Explain with the neat labelled diagram of the structure of Stomata. 32) Explain the formation of root nodules in legumes. Section-II Answer any THREE of the following questions in about 200-250 words each
- wherever applicable: 3x5=15
- 33) a] Explain Kranz Anatomy. b] Give an example of a plant exhibiting Kranz Anatomy.
- 34) Give the schematic representation of Glycolysis.
- 35) Write the physiological effects of the following plant hormones a] Auxins b] Ethylene
- Draw a neat labelled diagram of human digestive system 360
- 37) Describe reflex action and reflex arc.
