



T.C. 10/04/2019

Biology	(C)	L.K.No. 1318	Paper Code No. 8465
Paper II	(Objective Type)	Inter -A- 2019	(New Pattern)
Time :	20 Minutes	Inter (Part II)	
Marks :	17	Session (2015 -17) to (2017 - 19)	

BHW

Note : Four possible choices A , B , C ,D to each question are given. Which choice is correct fill that circle in front of that Question No. Use Marker or Pen to fill the circles. Cutting or filling two or more circles will result in Zero Mark in that Question.

Q.No.1	Movements shown by sperms of liver – worts , ferns towards archegonia is a :
(1)	(A) Chemotactic (B) Phototactic (C) Chemotrophic (D) Phototrophic
(2)	The active uptake of Sodium in the loop of Henle is provided by the action of Hormone : (A) Cortisone (B) Testosterone (C) Aldosterone (D) Progesterone
(3)	How much water is needed to excrete 1 g of Ammonia Nitrogen : (A) 400 ml (B) 500 ml (C) 600 ml (D) 700 ml
(4)	An increase in the plant girth due to the activity of Vascular Cambium is called : (A) Primary Growth (B) Secondary Growth (C) Sap Wood (D) Heart Wood
(5)	Example of Day Neutral Plant is : (A) Tomato (B) Soyabean (C) Xanthium (D) Chrysanthium
(6)	Developing Seeds are rich source of : (A) Auxins (B) Cytokinins (C) Gibberellins (D) All these
(7)	Nociceptors produce the sensation of : (A) Pain (B) Light (C) Taste (D) Hearing
(8)	Somites are formed and organized by : (A) Ectoderm (B) Mesoderm (C) Endoderm (D) Blastoderm
(9)	Pairing of Chromosomes is called as : (A) Synapse (B) Synapsis (C) Bivalent (D) Tetrad
(10)	The spread of Tumor Cells and establishment of secondary areas of growth is known as : (A) Epigenesis (B) Metastasis (C) Apoptosis (D) Necrosis
(11)	A Gene with Initiation codon , which encodes the Amino Acid methionine is : (A) UAA (B) UAG (C) AUG (D) UGG
(12)	Hypophosphatemic rickets is an ----- trait. : (A) X - linked (B) Y - linked (C) X and Y linked (D) An Autosomal
(13)	The bacteria in the root nodules fix nitrogen in soil from air , converting it into ----- : (A) Nitrate (B) Nitrite (C) Ammonia (D) Amino Acid
(14)	Which one of the following is responsible for headache , brain damage and death : (A) Oxides of Nitrogen (B) Lead Compounds (C) CFCS (D) Carbon Monoxide
(15)	DNA Polymerase Enzyme was isolated from : (A) Viruses (B) Bacteria (C) Fungi (D) Protozoa
(16)	Limnetic Phytoplankton includes the : (A) Bacteria (B) Algae (C) Cyanobacteria (D) Mosses
(17)	Endosymbiont Hypothesis was proposed by : (A) Wallace (B) Lamarck (C) Lynn Margulis (D) Linnaeus



Roll No.	1318 - 2000	Session (2015 - 17) to (2017 - 19)	Inter (Part - II)
Biology (Subjective)	Inter - A -2019	Time 2 : 40 Hours Marks : 68	(New Pattern)

Note: It is compulsory to attempt any (8 - 8) Parts each from Q.No. 2 and Q.No.3 and attempt any (6) Parts from Q.No.4. Attempt any (3) Questions from Part - II. Write same Question No. and its Part No. as given in the Question Paper.

Make Diagram where necessary.

Part - I

BHW

22 x 2 = 44

- Q.No.2**
- What are Juxtamedullary Nephrons? Give their function.
 - What is Pyrexia?
 - Define Anhydrobiosis.
 - What is Rigor Mortis?
 - Differentiate between Phototactic and Phototropism Movements.
 - What is Cleft Palate?
 - Differentiate between Ex-vivo and In-vivo Gene Therapy.
 - Write possible ways to get the Gene of Interest.
 - Write down Soil Conditions of Grassland Ecosystem.
 - What is meant by Productivity of an Ecosystem?
 - Why Forests are called Environmental Buffers?
 - What is Ozone Layer?
- Q.No.3**
- What is Feed Back Mechanism? Give an example.
 - Differentiate between Kineses and Taxes.
 - How Pancreas acts as both Exocrine and Endocrine Gland?
 - Draw Graphic representation of Life Cycle of Bryophytes.
 - Explain Gonorrhea.
 - How a Seed is formed?
 - Explain the term MODY.
 - What is Over Dominance? Give an example.
 - An Rh^- Woman is married to an Rh^+ man whose father was also Rh^- . What is the probable risk of Erythroblastosis Foetalis in their babies?
 - Differentiate between Primary and Secondary Succession.
 - What is Biome? Name any four major terrestrial biomes.
 - Explain Mycorrhiza with an example.
- Q.No.4**
- Define Growth Correlation.
 - Differentiate Epiblast from Hypoblast.
 - How many Chromosomes are found in Penicillium and Mosquito?
 - Define Dispersive Replication of DNA.
 - What do you know about the term Transcription?
 - Define the term non-disjunction of Chromosomes.
 - What are Events happen in Diakinesis?
 - Differentiate Natural Selection from Special Creation.
 - Define Endangered Species. Write down the names of two species from Pakistan.

Part - II

- Q.No.5**
- Describe adaptations in Plants to low and high temperature. (4)
 - Describe Predation, Parasitism and their significance. (4)
- Q.No.6**
- Discuss different types of Joints. (4)
 - Describe the process of Transcription in detail. (4)
- Q.No.7**
- Define Feedback Mechanism. Explain with an example. (4)
 - Define Pollution. Discuss its various types. (4)
- Q.No.8**
- Describe Male Reproductive System in Human. (4)
 - Discuss the genetics of ABO Blood Group System. (4)
- Q.No.9**
- Write a note on Neurulation in Chick Embryo. (4)
 - Discuss "Migration" and Genetic drift as factors affecting Gene Frequency. (4)



16-04-2019