Model Paper Biology Objective

Intermediate Part – I (11th Class) Examination Session 2015-2017 and onward

Total marks: 17 Paper Code_____ Time Allowed: 20 minutes

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q.1	QUESTIONS	(A)	(B)	(C)	(D)
1	The study of tissues is called	paleontology	anatomy	histology	Evolution
2	The percentage of water in bacterial cell is	70%	60%	50%	40%
3	The optimum pH value for pepsin enzyme in stomach is	4.0	3.5	3.0	2.0
4	De Duve discovered the cell organelle	mitochondria	lysosomes	ribosomes	Chloroplast
5	In classification the order of *Zea mays* is	poales	anthophyta	plantae	Poaceae
6	The bacteria with tuft of flagella at one pole is called	atrichous	monotrichous	lophotrichous	Amphitrichous
7	Apicomplexans move by	tube feet	pseudopodia	undulating	Flexing
8	The skeleton of arthropoda is made of	cellulose	chitin	polysaccharides	lignin
9	Unequal development of various branches during evolution 0f leaf is	webbing	fusion	overtopping	planation
10	The mode of nutrition in Fungi as	Ingestion	Absorption	Photosynthesis	Chemosynthesis
11	Scorpion belongs to class	crustacea	insecta	arachnida	myriapoda
12	Oxygen produced during photosynthesis comes from	CO_2	H_2O	NADP	FAD
13	The colour of xanthophylls is	blue	red	green	yellow
14	Rodents are	herbivores	detritivores	carnivores	omnivores
15	The diameter of bronchiole is	3mm	2mm	1mm	0.1mm
16	The ions involved in the opening and closing of stomata are	sodium	calcium	potassium	magnesium
17	Attraction between water-water molecules in xylum tissue is called	tension	adhesion	cohesion	imbibition

Model Paper Biology Subjective

Intermediate Part – I (11th Class) Examination Session 2015-2017 and onward

Total marks: 68 **Time: 2:40 hours**

Section II

Q.2 Attempt any EIGHT short questions. (8x2=16)

i. Define the biological method.
ii. Differentiate between theory and law.
iii. Define conjugated molecules with two examples.
iv. Define carbohydrates.
v. Define cofactor and write its functions.
vi. Compare competitive and non competitive inhibitor.
vii. Differentiate between diploblastic and triploblastic animals.
viii. Define blastocoel.
ix. Write any two beneficial effects of insects.
x. Differentiate between coelomate and acoelomate.
xi. Differentiate between systole and diastole.
xii. What do you know about blue babies?

Q.3 Attempt any EIGHT Short questions. (8x2=16)

i. Define pili with their functions.
ii. Describe briefly about giant amoeba.
iii. Draw the life cycle of plasmodium.
iv. Write down any two characteristic of Ciliates.
v. Define Kelps. With which group it belongs?
vi. Compare microphyll with megaphyll leaves.
vii. Write the significance of double fertilization.
viii. What are accessory pigments? write their significance.
ix. Define glycolysis and how many ATP molecules are formed in this process.
x. Define adipose tissues. How are they formed.
xi. What is hunger pang? write its reason.
xii. Write two side effect of obesity.

Q.4 Attempt any SIX Short questions. (6x2=12)

i. Write the main points of cell theory.
ii. Write the method to calculate the magnification power of compound microscope.
iii. Write down botanical names of Amaltas and Brinjal.
iv. Describe symptoms of hepatitis.
v. Define dikaryotic hyphae.
vi. Compare basidiospores with ascoscopes.
vii. Briefly describe Asthma.
viii. Write the roles of nose in man.
ix. Define respiratory distress syndrome.

SECTION III

Attempt any three questions. (8x3=24)

Q5(a). Write in detail two hypothesis for opening and closing of stomata. (2+2)
(b) Describe two to five kingdom system of classification. (0+4)
Q6(a). Discuss any four functions of proteins. (4)
(b) Describe plastids with their types. (1+3)
Q7(a) Explain characteristics of cyanobacteria. (4)
(b) Write various steps of evolution of leaf. (4)
Q8.(a) Write a note on transport of oxygen in man. (4)
(b) Elaborate the non cyclic phosphorylation with the help of diagram. (3+1)
Q9.(a) Explain digestion in stomach. (4)
(b) Write a note on Zygomycetes. (4)