

Sample Paper 1

Meghalaya Class XI Bio Zoology Sample Paper-1

Time allowed: 1.5 hours Maximum Marks: 35

General Instructions:

- (i) Write all the answers in the Answer Script.
- (ii) Attempt all parts of a question together at one place.
- (iii) All questions are compulsory.
- (iv) This question paper consists of 4 (four) Groups A, B, C and D.

GROUP 'A' – Consists of **6** (six) Questions (Nos. **1-6**) of 1 (one) mark each; very short answer to be answered in 1 word or 1 sentence each.

GROUP 'B' – Consists of **4** (four) Questions (Nos. **7-10**) of 2 (two) marks each; which one alternative from the same units; short answer, to be answered in 20-30 words each.

GROUP 'C' – Consists of **3** (three) Questions (Nos. **11-13**) of 3(three) marks each; with one alternative, to be answered in 30-40 words each.

GROUP 'D' – Consists of $\bf 3$ (three) Questions (Nos. $\bf 14-16$) of 4 (four) marks each; with one alternative, long answer type, to be answered in 60-70 words each.

GROUP - A

- Can there be mitosis without DNA replication in the 'S' phase?
 What does the H-zone of a sarcomere in a myofibril contain?
 Name an alga which is used in laboratory culture media.
 Which stage of cell division will you select to study the morphology of chromosomes and why?
- **5.** What is the name given to the bulb-like structures at axon terminals?



MEGHALAYA XI | BIO ZOOLOGY

Sample Paper 1

6.	What are oothecae?	1
GROUP - B		
7.		2
	Mention two functions of the following: i. Polysaccharides ii. Amino acids	
8.	What is meant by haemocoel? Name the phylum which shows this feature.	2
9.	What is the site of fat digestion in humans? Name the enzyme which digests fat Mention the end-product of fat digestion.	s. 2
10	. Why the axoplasm of a resting axon is negatively charged?	2
GROUP – C		
11.	What is the significance of meiosis? 2+1 =	:3
12.	Describe three disorders of the skeleton and joints.	3
Or		
	What is cretinism? Give any two causes of it. 2+1=	:3
13.	Enumerate three points to show the interaction of cockroach with mankind 1+2=	=3
GROUP - D		
14.	Oxygen binds to haemoglobin at the lung surface and dissociates at the tissue Justify.	s. 4
	Or	4
	Write important characteristic features of phylum Porifera.	
15.	State the criteria which form the basis of classification of the animal kingdom. 1-	+3=4
16.	Describe the formation of haploid spores in fungi.	4