

HIGHER SECONDARY PRACTICAL EXAMINATION 2016-17

HSE-II

ZOOLOGY

TIME: 1 ½ HOURS

SCORE:20

Instructions

- All the questions are compulsory
 - The materials needed will provided in the Centre
 - Preparation time 10 minutes
1. Identify the given picture/photograph of the invertebrate animal Score: 1
Write one identifying character/one economic importance/one adaptation
Identification: ½ One value point : ½ **Time: 4 minutes**
 2. Identify the given picture/photograph of the vertebrate animal Score: 1
Write one identifying character/one economic importance/one adaptation
Identification: ½ One value point : ½ **Time: 4 minutes**
 3. Identify the slide of given tissue. Sketch and label two parts Score:2
Identification : 1 Sketch and labeling : ½ + ½ = 1 **Time: 7 Minutes**
 4. Identify the given model or Name the marked part. Write one physiological function. Score:1
Identification : ½ Function : ½ **Time: 4 Minutes**
 5. Identify the type of joint. Write one peculiarity. Score:1
Identification : ½ One value point : ½ **Time: 4 Minute**
 6. Draw the digestive system of cockroach. Label four mentioned parts Score:3
OR
Draw the mouth parts of cockroach. Label four parts
Diagram : 1 Label four parts: ½ x 4= 2 **Time: 15 minutes**
 7. Two samples A and B are given. Identify the sample with glucose/protein/starch/bile salts/urea Score:2
OR
Two urine samples A and B are given. Identify the presence of albumin in the sample using the reagents provided
OR
Two urine samples A and B are given. Identify the urine of diabetic patient from the samples using the reagents provided
Experiment: 1 Procedure: ½ Result : ½ **Time: 15 minutes**
 8. Prepare a stained slide of your cheek epithelium. Draw and label one part of a cell. Score:2
OR
Prepare a thin film of your blood smear on a slide. Identify any one cell. Draw and Label.
Slide Preparation : 1 Diagram: ½ Labeling : ½ **Time: 15 minute**
 9. Identify the pathogen, name the disease caused by it and write one symptom Score: 2
Identification: ½ Disease : ½ Symptom : 1 **Time: 4 minute**
OR
Identify one analogous and one homologous organ from the given picture/chart and write one peculiarity (Vertebrate heart and vertebrate brain/forelimbs of whale and cheetah/wings of butterfly and bird)
Identification : 1 Peculiarity : 1
 10. Identify the given embryology slide. Sketch and label one part. Score: 2
Identification : ½ Sketch and labeling : 1 + ½ = 1 ½ **Time: 7 minute**
 11. Certified Practical Diary Score:2
 12. Viva voce/awareness about experiments in zoology Score:1
Time: 1 minute