

1

FIRST YEAR HIGHER SECONDARY EXAMINATION SAY/IMP SEPTEMBER 2016

(Scheme of Valuation)

Subject : Zoology

Code No. 417 - Part B

Qn. No		Scoring Indicators	Split Score	Total Score
1,		Zoological park / Zoo	1	1
2,	a,	Echinodermata	1	2
	b,	Locomotion, respiration, excretion, capture or transport of food, digestion	$\frac{1}{2} \times 2$	
3,	a,	Cnidoblast / Cnidocyte / stinging cell	$\frac{1}{2}$	1
	b,	Cnidaria / Coelenterata	$\frac{1}{2}$	
4,	a,	Chondrichthyes / cartilaginous fish	$2 \times \frac{1}{2}$	3
		Osteichthyes / Bony fishes		
	b,	Any 2 relevant differences	$4 \times \frac{1}{2}$	
5,	a,	A - Gall bladder B - Duodenum C - Pancreas	$3 \times \frac{1}{2}$	2
	b,	Emulsification / activation of lipase / fat digestion / neutralization of food	$1 \times \frac{1}{2}$	

1/3

(2)



Qn.No	Scoring Indicators	Split Score	Total Score
6,	Uric acid is least toxic, conservation of water / minimum water loss / terrestrial adaptation (any 2)	2x1	2
7,	a, Bicarbonates b, Carbonic anhydrase	1 1	2
8;	a. A - Formed elements / Blood cells B - WBC / Leucocytes C - Agranulocytes D - Eosinophils b. Blood clotting / coagulation OR, a, Atrial depolarisation / contraction / systole b, Ventricular depolarisation / contraction / systole c, Ventricular repolarisation / relaxation / diastole	4x 1/2 1 3x1	3 3
9,	a, clavicle, scapula b, Acetabulum	2x 1/2 1	2
10,	A - insulin B - Thyroxine c - water reabsorption D - Progesterone / Estrogen	4x 1/2	2

2/3

3

Scoring Indicators

Qn.No			Split Score	Total Score
11,		b, cone cells only	1	1
12,	a,	ii - cerebellum iii - hypothalamus	2x1/2	2
	b,	Medulla	1	
13,		Triglyceride / Fatty acids and glycerol	1	1
14,	a,	A - Dense regular connective tissue B - Dense irregular connective tissue	2x1/2	2
	b,	skin	1	
15,	a,	Protein / Polypeptide	2x1	2
	b,	Ester bond / phosphodiester bond		
16,		Ommatidia - sense organ Hepatic caecae - Digestive gland	2x1	2

3/3

1 Jayalakshmi. J  
NSSHSS  
Perumna  
Kottayam

Jeyalakshmi

2 GIGI P. BALAKRISHNAN  
GHSS  
AYYANTHOLE  
THRISSUR.

Gigi P. Balakrishnan

3 Gokuladas. G  
HSST. Jr. Zoology (Hrs)  
Govt Girls HSS  
Nemmara Palakkad

Gokuladas

4 Stanley Roy B  
HSST Sel Grs Zoology  
St. Josephs Hss, (Trpms.)

Stanley Roy B

HSS JIVEJIN