

HALF YEARLY EXAMINATION

SEPTEMBER 2019

SET B

CLASS XI

Marking Scheme –BIOLOGY -044 [THEORY]

Q.NO.	Answers
1.	Interstitial fluid and blood plasma OR Sphygmomanometer 1m
2.	Atlas 1m
3.	Acts on melanocytes and regulates pigmentation of skin. $\frac{1}{2} + \frac{1}{2}$ m
4.	NaCl, lactic acid and glucose ( for any two) 1m OR (i) Uric acid (ii) Ammonia $\frac{1}{2} + \frac{1}{2}$
5.	If released in active form, they will start digesting the membranes and muscular walls of the alimentary canal.
6.	Slow oxidation of food to release energy is called respiration while breathing is a biophysical process which is the first step of respiration.
7.	. (i) Sessile (ii) Lamina (iii) Phyllotaxy (iv) Stipules
8.	(i) 'Lubb' the first sound which is low pitched, is caused by the closure of bicuspid and tricuspid valves. (ii) 'Dup' the second sound which is high pitched, is caused by the closure of semilunar valves OR Initiates heart beat . Sinu Atrial Node -1m each
9.	Corpus luteum; secretes progesterone to maintain pregnancy. $1 + \frac{1}{2} + \frac{1}{2}$
10.	Time of formation of primary xylem; protoxylem of stem is endarch ; protoxylum in roots. 1 m each.
11.	One function of each 1 mark
12.	(a) Ureter (b) Henlp's loop (c) Glomerular filtration (d) Renal Corpuscle. $4 \times \frac{1}{2}$ OR Ketonuria and glycosuria 1+ 1
20.	Tetany – due to low levels of Calcium; Gout- accumulation of urinc acid in joints; osteoporosis- decreased level of estrogen.