

OPEN BOOK TEST – I COURSE CODE – ZLU 2280

COURSE TITLE – ANIMAL FORM AND FUNCTION DURATION – ONE AND HALF HOURS

Registration Number:....

DATE - 7TH NOVEMBER 2010

TIME 3.00 PM - 4.30 PM

Part B

2. Figure 3 shows a schematic diagram of plasma membrane

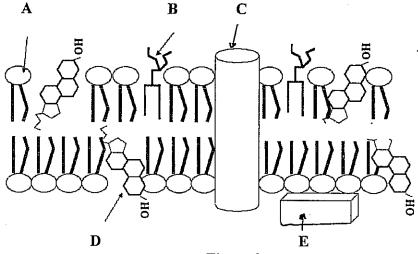


Figure 3

(a) Name A, B, C, D and E

A ------ B ------ D ------

TP.

(b) Write one function of A

(c) Name the major chemical components of B

(d) Why is the presence of item $\, {f B} \,$ important for transfusion / transplantation of tissues ?.

(e)	Name three specialized structures that join and communicate with adjacent cells.
i	ii
	111
(f) `	Write two differences between the two types of active transport systems carried out by C.

3. Figure 4 represents a microscopic diagram of a transverse section of a mammalian ileum

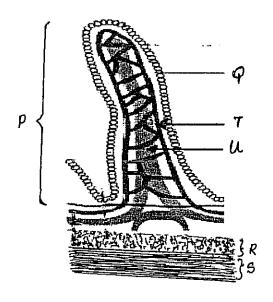


Figure 4

(a) Name P,Q, R, S, T and U

P	 Q.	
R	 S	
т.	 TI	

	Suggest three ways in which structure P is adapted for its function.
(d)	What is the significance of the types of muscles R and S in the wall of the ileum?
(e) 	(i) Trace the pathway by which digested food molecules absorbed by U is transported to hear
	Name the system present in the heart that maintains its rhythmic movement.
(g)	Describe why blood pressure is essential
	Blood pressure is affected by cardiac output. Describe the relationship between blood pressure and cardiac output