Biology

Q1) 1) a
2) a
3) c
4) a
5) not in course
6) a
7) d
8) a
9) b
10)
11)
12) b
13) c
14)
15)

Q2. A1) Vascular tissues
2)
3)
4) Stomata
5) Bryophytes

B 1) Tube feet
2)
3)
4) Nephridia
5) Guard-cells.

Q3 A) 1. C
2. D
3. E
4. B
5. A

Q4. B) A → Contractile Vacuole
B → Nucleus
C → food Vacuole
D → Pseudopodia.

Q5)	Aerobic Respiration	Anerobic Respiration
*Oxygen Requirement	utilizes oxygen.	utilizes oxygen
*End products	Carbon dioxide and water.	Ethanol along with CO_2
*Energy released	38 ATP	2 ATP

Q6) A)	Photosynthesis	Respiration.
* what happens to food?	food is synthesized	food is broken - down
*what is the by-product?	Oxygen	CO_2 and water
*Cells in which it occures?	occures in plant cells	occures in plant and animal cell.
* occuring time?	Only during day	during day and night.

B) 2. Tissue → A group of cells

4. Monocotyledons → A filower plant with an embryo that beares a single cotyledon.

5. Breathing → take air into the lungs and then expel it.

7. A) 1. i) Body has jointed leg.
ii) Body is divided into three regions - head, thorax and abdomen.

2. i) Body is composed of rings
ii) have special organs from excretion called nephridia.

3. i) Soft body enclosed in a hard shell.
ii) Move with the help of muscular foot.

B1) *Yeast is important in bakeries as it is used in making bread.
* It is also important in breweries for making alcohol.

2)	XYLEM	PHLOEM
	* Transports water and minerals absorbed by the roots to other plant parts.	* Conducts food manufactured in the leaves to other plant parts.
	* Consists mainly of dead cells.	* Consists mainly of living cells.
	* Unidirectional conduction	* Bidirectional conduction.