

(Errors part)

(8.5 / 10)

University of Jordan

Dept. Biol. Sciences

Name (in Arabic): ملحوظات حفظ

Section no.:

General Biology Lab 111

Quiz 1

Seat no.: 17

1. Light is the source of illumination in the electron microscope.
True or false. ✓
2. A three-dimensional image of a specimen is obtained by the dissecting microscope.
3. The image of the specimen under the compound microscope appears inverted.
True or false. True
4. The part that carries the ocular lenses in the compound microscope is body tube
5. The microscopic part that regulates the intensity of light passing through the specimen is:
A. stage.
C. ocular lens.
D. tube.
B. condenser lens. ✓
E. revolving nosepiece.
6. One major difference between animal and plant cells is the presence of cell walls in plant cells.
7. Cells you have prepared from your mouth are called cheek cells
8. The onion epidermal cells were stained by methanol
9. Cells differ in their size, organization and function.
True or false. ✓
10. The three major shapes of bacteria are spiral, coccus and ~~spherical~~

bacilli (rods)
bacillus

Name ~~Shahzad~~

Section -----

Seat number - 16 -

(6)

Biology Lab II

Q1 Fill in the blanks

Benedict + reducing sugar → Red color.

Biuret + glycine (A.A) → ~~Violet~~

Bold Rennin + milk $\xrightarrow[20\text{ min}]{40^\circ\text{C}}$ ~~Violet (purple)~~ for milk protein

~~enzym~~ + catechol $\xrightarrow{\text{O}_2}$ Brown color.

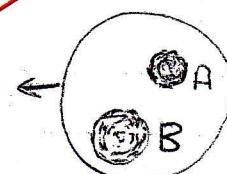
Ninhydrine + ~~other~~ amino acid → purple

Vegetable oil + water → ~~heterogenous~~ in the top ~~solution (orange)~~
the source of CO_2 in photosynthesis experiment
in the lab is ~~Respiration~~ ~~cellular~~

~~NaOH + dialysis bags~~ → pink

the gas produced in this experiment is ~~CO_2~~ yeast

which diffusion has
More molecular weight



Plant cells placed in Hypertonic Solution.

the result will be ~~shrink~~

← Good Luck →

Name → 
Seat no. → 

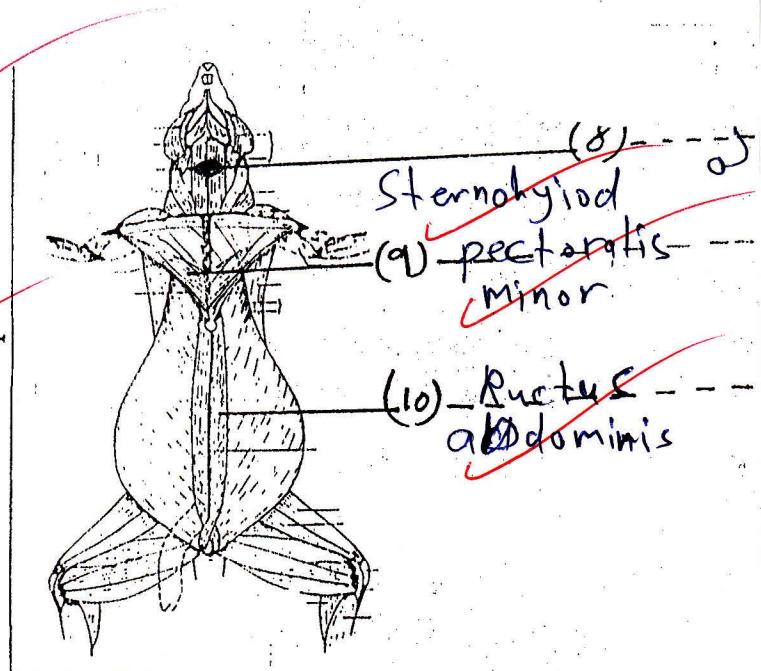
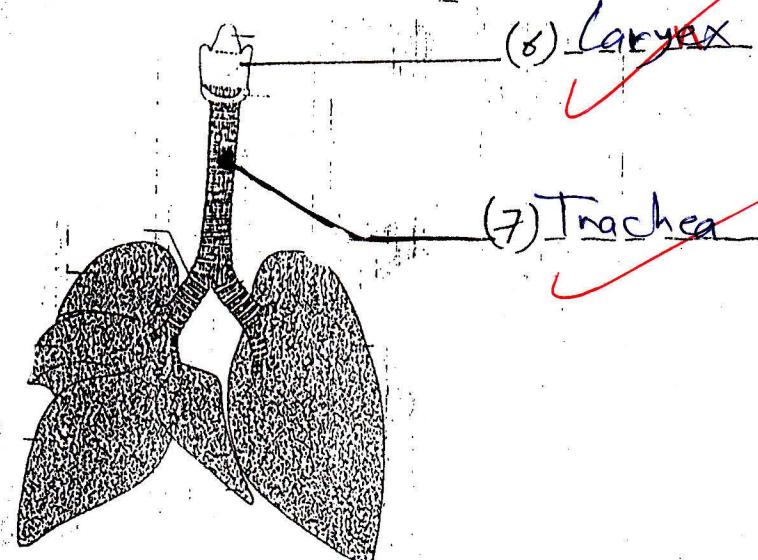
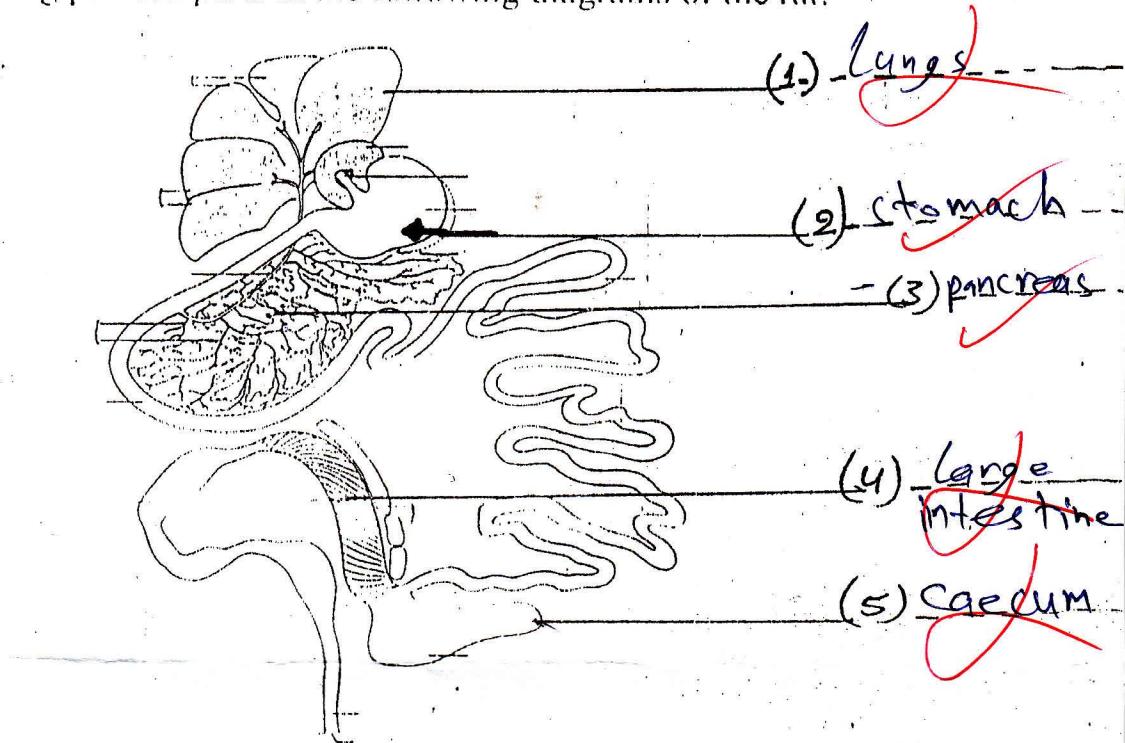
(70)

Biology lab (111)
Section no. 18

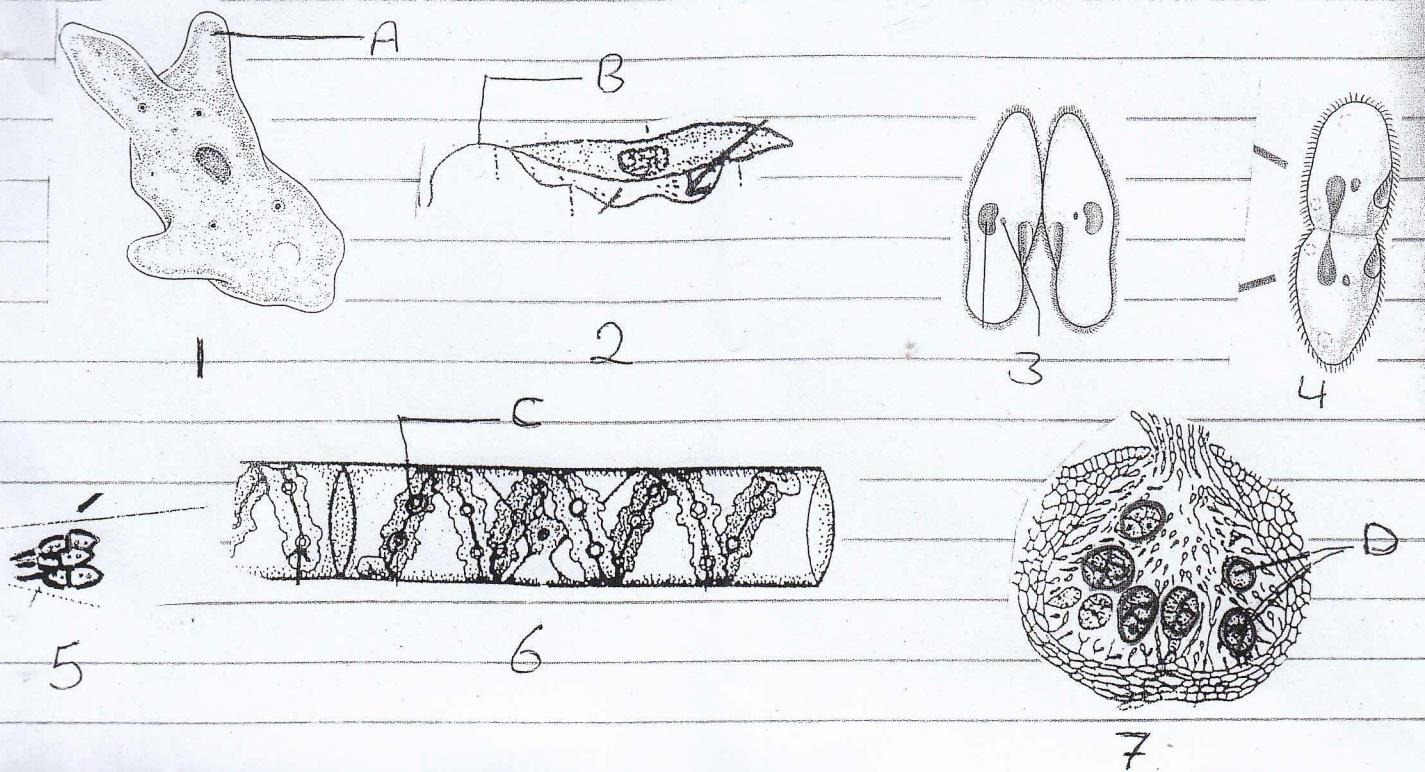
16 

Quiz 3

Label the following pointed parts in the following diagrams of the rat:



9.5



Q1 According to Figures 1 - 7 answer the following questions.

Figure 1.

- give the generic name Trypanosoma

- this organism moves by mean of peliodia

- this organism belongs to kingdom protista (Euglenozoa)

Figure 2

- this organism causes trypanosomiasis

- it lives in red blood cells in blood.

- it moves by flagellum

- the vector of this organism is chloroplast

Figure 3 + 4

- give the generic name Paramecium

- the type of Reproduction in figure 3 is asexual

- Figure 4 belongs to phylum Amoebida

Figure 5

- give the name of these spores ~~Basidiospores~~
- these spores cause a disease called ~~wheat rust~~
- this organism belongs to kingdom ~~Fungi~~

Figure 6 -

- give the generic name ~~Spiranula~~ (~~green algae~~)
- this organism reproduces sexually by ~~oogamous reproduction~~
- label C in this Figure ~~chloroplast~~

Figure 7

Fungi

- identify the whole structure ~~chytridiomycota~~ \rightarrow ~~Allomyces~~
- D is called ~~Zoosporingium~~

Q2

- 1- Volvox reproduces sexually by ~~oogamous~~ in which motile sperm fertilizes non-motile egg
- 2- Plasmodium is an ~~parasite~~ ~~Causes a disease called~~ ~~malaria~~ ~~malaria~~ ~~(Intercellular or intracellular)~~
- 3- Antiseptics is an antimicrobial agent added to skin or surface. ~~(Antiseptic)~~ ~~antibiotic or disinfectant~~
- 4- Ascomycota (Peziza) reproduce sexually by ~~basidiospores~~
- 5- Zygomycota Rhizopus reproduce asexually by ~~Zygotes~~
- 6- The shell of Diatoms is made of ~~silicon~~

Good luck.

University Of Jordan
Dept .Of Biological Sciences
Biology 111
Date : ..2.11.2011

Name :
Reg .No. :
Seat No. :16.....
Sec.No. :18.....
Instructor :
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Answer Sheet
Midterm Exam

17
25

1. Bunsen burner ✓
2. No ✓
3. Ocular lens ✓
4. adjust the moving of body tube up or down
5. 4 X (Total = $10 \times 4 = 40x$) ✓
6. 10.6 X ✓
7. dissecting microscope ✓
8. plasma membrane ✓
9. ~~Koch's Koch's~~ ~~bacteriologist~~
10. Lugol's Solution ✓
11. No ✓
12. functional ✓
- NH_2
fermentation
13. A ✓
14. Ves (enzyme Rennin) because ✓
15. (pH < 7) acidic ✓
16. ~~water~~ carbon $\text{O}(-\text{C}-)$ ✓
17. Iodine (Lugol's) $\text{I}_2 \text{kI}$ ✓
18. True ✓
19. $\text{C}_6\text{H}_{12}\text{O}_6$ (glucose) ✓
20. (O_2) ✓
21. No ✓
22. Support ✓
23. No ✓
24. Strengthening ✓
25. permanent ✓