

Q1/ Read the following passage and answer the following questions? (6 Marks)

When conducting research, scientists use the scientific method to collect measurable, empirical evidence in an experiment related to a hypothesis (often in the form of an if/then statement) that is designed to support or contradict a scientific theory.

"As a field biologist, my favorite part of the scientific method is being in the field collecting the data," Jaime Tanner, a professor of biology at Marlboro College, told Live Science. "But what really makes that fun is knowing that you are trying to answer an interesting question. So the first step in identifying questions and generating possible answers (hypotheses) is also very important and is a creative process. Then once you collect the data you analyze it to see if your hypothesis is supported or not."

- 1- What do scientists do when they conduct research?
- 2- why do scientists use the scientific method?
- 3- What is the first part of conducting research?
- 4- According to the paragraph, what is a creative process?
- 5- When do you analyze the data to see if your hypothesis is supported or not?
- 6- Who is Jaime Tanner?

Q2/ Write True for True statements and False for false statements.then correct the false. (6 Marks)

- 1- We use a or an to introduce a plural countable noun.
- 2- We use the to talk about specific singular uncountable nouns.
- 3- We use the to talk about specific plural countable nouns.
- 4- We use some to introduce a singular noun for a group of items.
- 5- We don't use an article with countable nouns to talk about things in general.
- 6- We don't use an article with plural nouns to talk about things in general.

Q3/ Answer the following questions. (6 Marks)

- 1-What time is it? (4:45 am)
- 2- What day is tomorrow?
- 3- What day is after tomorrow?
- 4- What is the date of tomorrow?
- 5- What is the date of next tuesday?
- 6- What day was yesterday?

Q4/ What is the water cycle? Explain in detail? [6 Marks]

Q5/ Fill in the gabs? (6 Marks)

_____ is the study of how things work in the world. A _____ usually works in a _____. He/she works with many different kinds of _____, for example

plastic or metal, and _____. A scientist tests things to _____ a hypothesis.

Q6/ Define the following [6

Marks]

- 1- A scientist 2- scientific method 3- conclusions 4-data 5-experiment 6-
research

Q7/ Choose the correct answer for the following. (6 Marks)

1- An unfavorable situation that is not good

- a- instrument b-microbial growth c- disadvantage d-advantage

2- A branch of biology dealing especially with microscopic forms of life (as bacteria, protozoans, viruses, and fungi).

- a- Disinfection b- Microbiology c- agar plate d-microbial growth

3- the reason for which something is done or created or for which something exists.

- a- Alcohol b- applications c- purpose d- function

4- a tool or device used for a particular purpose

- a- Sterilisation b- procedure c- Filtration d- instrument

5- A rule or law

- a- Bacilli b- technique c- instrument d- principle

6- A process of heating food to a temperature that is high enough to kill most harmful bacteria without changing the taste of the food.

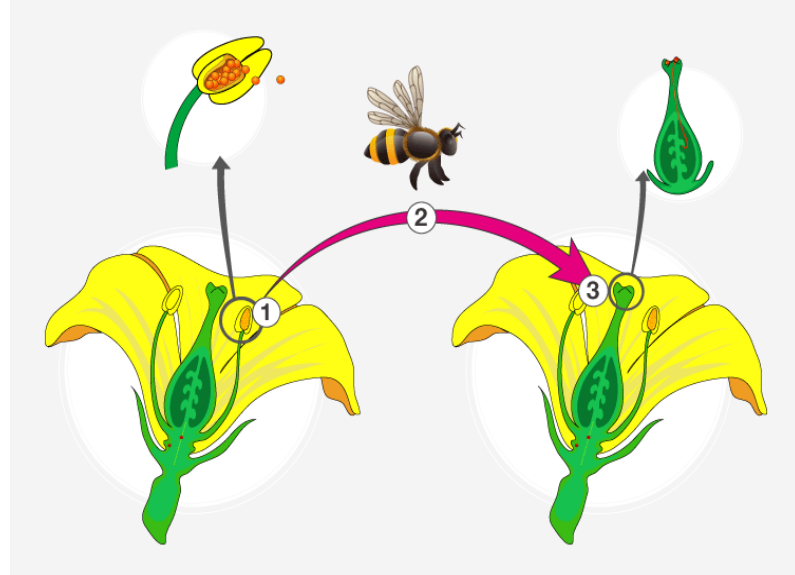
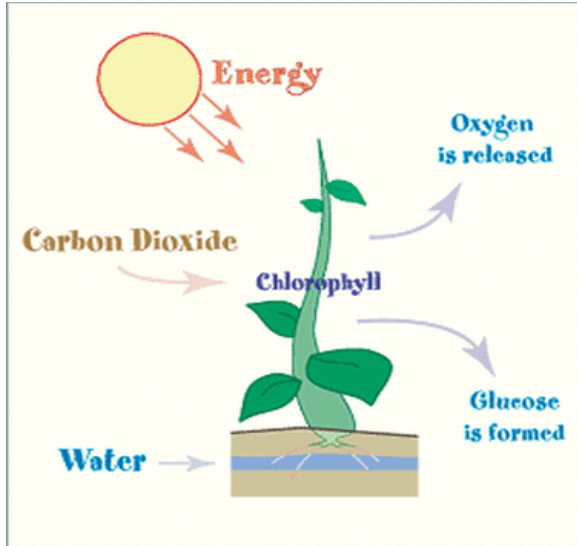
- a- Pasteurization b- Autoclave c- Bacteria d- Disinfection

Q8- Describe the following images: [6

Marks]

1-

2-



Q9- Make a hypothesis about “If food is left outside for a long period of time, moulds grow on them.” by using the scientific method. [6 Marks]

Q10- Write a paragraph about “Why I did not study for my English Exam!” (minimum : 50 words) [6 Marks]

Q11/ Read the following passage and answer the following questions? (6 Marks)

Physics aims to describe the function of everything around us, from the movement of tiny charged particles to the motion of people, cars, and spaceships. In fact, almost everything around you can be described quite accurately by the laws of physics. Physics is the foundation of many important disciplines and contributes directly to others. Chemistry deals with the interactions of atoms and molecules, so it is rooted in atomic and molecular physics. Most branches of engineering are applied physics. In architecture, physics is at the heart of structural stability and is involved in acoustics, heating, lighting, and the cooling of buildings. Parts of geology rely heavily on physics, such as the radioactive dating of rocks, earthquake analysis, and heat transfer in the Earth. Some disciplines, such as biophysics and geophysics, are hybrids of physics and other disciplines. The study of physics is capable of making significant contributions through advances in new technologies that arise from theoretical breakthroughs.

- 1- How can you describe the things around you?
- 2- Explain how physics is the foundation of many important disciplines?
- 3- How Many disciplines have been mentioned in the paragraph?
- 4- According to the paragraph, what is at the heart of structural stability?
- 5- What is the study of physics capable of?
- 6- What arises from theoretical breakthroughs?

Q12/ Define the following Marks]

[6

- 1- A scientist
- 2- scientific method
- 3- conclusions
- 4-data
- 5-experiment
- 6- research

Q13/ Answer the following questions. (6 Marks)

- 1-What time is it? (4:59 am)
- 2- When is the English exam?
- 3- What day is today if tomorrow was yesterday?
- 4- What is the date of the day after tomorrow?
- 5- What is the date of next Thursday?
- 6- What day was the day before yesterday?

Q14/ What is the water cycle? Explain in detail? [6 Marks]

Q15/ Fill in the gaps? (6 Marks)

A scientist _____ things to _____ a hypothesis. A _____ is an idea that something is _____. _____ must _____ all the facts first. Then he/she often put the _____ in a _____ with columns of information, or in a _____, with _____ or lines that _____ the _____.

Q16/ Answer the following questions. (6 Marks)

- 1- Why does water vapour rise?
- 2-Where does the water go after it falls from the clouds?
- 3- Give an example of offering.
- 4- Give an example of requesting.
- 5- Why do we have clouds?
- 6- What causes rain?

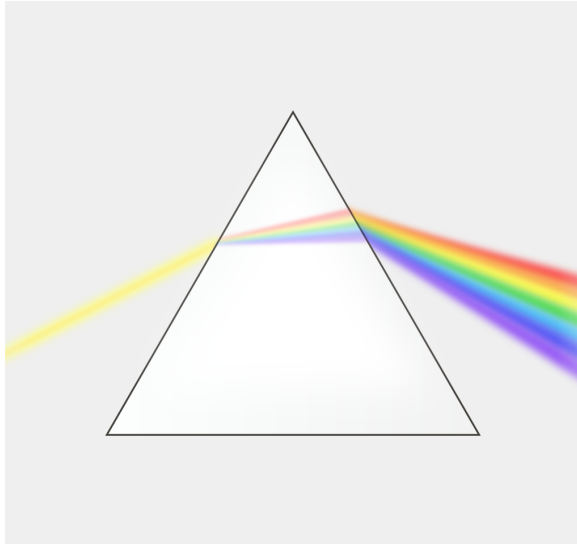
Q17/ Write True for True statements and False for false statements.then correct the false. (6 Marks)

- 1- We use a or an to introduce a plural countable noun.
- 2- We use the to talk about specific singular uncountable nouns.
- 3- We use the to talk about specific plural uncountable nouns.
- 4- We use some to introduce a singular noun for a group of items.
- 5- We don't use an article with countable nouns to talk about things in general.
- 6- We use an article with plural nouns to talk about things in general.

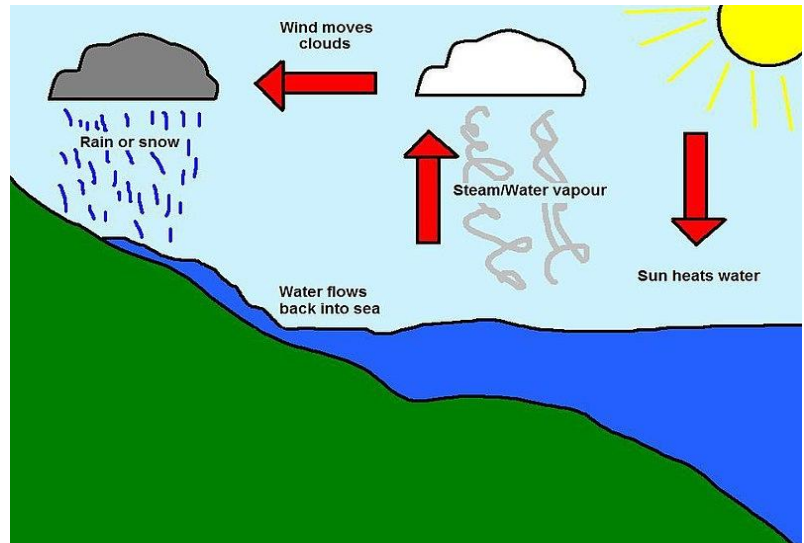
Q18- Describe the following images:
Marks]

[6

1-



2-



Q19- Make a hypothesis about “Why do we have tides at the beaches?.” by using the scientific method [6 Marks]

Q20- Write a paragraph about “Why I had time to go on trips, but did not have enough time to study!” (minimum : 50 words) [6 Marks]

Q21/ Read this paragraph and answer the following questions. (10 Marks)

Microbiology

Micro-organisms and their activities are vitally important to virtually all processes on Earth. Micro-organisms matter because they affect every aspect of our lives – they are in us, on us and around us.

Microbiology is the study of all living organisms that are too small to be visible with the naked eye. This includes bacteria, archaea, viruses, fungi, prions, protozoa and algae, collectively known as 'microbes'. These microbes play key roles in nutrient cycling, biodegradation/biodeterioration, climate change, food spoilage, the cause and control of disease, and biotechnology. Thanks to their versatility, microbes can be put to work in many ways: making life-saving drugs, the manufacture of biofuels, cleaning up pollution, and producing/processing food and drink.

1- Microbiology is the study of all living organisms that are too small to be visible with the naked eye. This includes (choose more than one)

bacteria archaea viruses orions protozoa and algae

2- These microbes play key roles in

nutrient cycling biodegradation control of disease food spillage

3- what does the underlined word means in (Thanks to their versatility). (find the answer in the text)

4- Why are micro-organisms important?

5- How can we benefit from microbes?

Q22/ Fill in the gaps? (10 Marks)

1- Make a _____

2- Test the _____, _____ or _____?
_____?

3- _____ Data?

4- Display _____?

5- Draw _____, _____ or _____ a hypothesis?

Q23/ Define the following. (5 Marks)

A scientist

A lab

Science

Method

research

Q24/ Multiple choice questions (5 Marks)

1-Definition

Energy that is radiated or transmitted in the form of rays or waves or particles.

Choose matching term

Filtration Radiation Magnification function

2-Definition

the special, normal, or proper activity of an organ or part

Choose matching term

isolation incubator Fixation function

3- Definition

substance that prevents infection

Choose matching term

bacteria antiseptic disinfection sterilization

4- Definition

If you say that things or people of a certain type come in all shapes and sizes, you mean that there are a large number of them, and that they are often very different from each other.

Choose matching term

Biochemical tests Petri dish/plate staining or dyes size and shapes

5- Definition

The temperature at which a liquid changes to a gas

Choose matching term

Sterilization Boiling motility Bacilli

Q25/ write a paragraph about "A day in the Lab". Use the following words in the paragraph (Microscope, Function, Magnification, bacteria, antiseptic) (5 Marks)

Q26/ Read this paragraph and answer the following questions. (7 Marks)

Albert Einstein's Outstanding Contribution To Field Of Science

Albert Einstein was a genius personality who had brought wonders in the field of Science and especially in Physics. He was the inventor of different important theories and equations in Physics. The invention of these important theories and equations in physics had brought a wobble in the world of Physics. It is because of his remarkable inventions and findings in science he had been stated as the greatest scientist of the 20th century. After his death, his brain has been preserved for conducting research and finding out the reason for his super intelligence.

1- Why Einstein had been stated as the greatest scientist of the 20th century?

2- What has been done for conducting research and finding out the reason for Einstein's intelligence?

3-What had brought a wobble in the world of physics?

4- Einstein was a stupid personality. (True or False)

5- He was the inventor of different unimportant theories. (True or False)

6- what did he invent?

7- What happened after he was dead?

Q27/ Fill in the gaps? (12 Marks)

_____ is the study of how things work in the world. A _____ usually works in a _____. He/she works with many different kinds of _____, for example plastic or metal, and _____. A scientist _____ things to _____ a hypothesis. A hypothesis is an idea that something is _____. Scientists must _____ all the facts first. Then he/she often put the fact in a _____ with columns of information, or in a _____, with blocks or lines that _____ the information.

Q28/ Define the following. (5 Marks)

Proving data conclusions Method research

Q29/ Multiple choice questions (7 Marks)

1- We use a or an to introduce

a- a singular countable nouns b- Plural countable nouns c- Uncountable nouns

2- We use the to talk about (choose more than one)

a- specific singular countable nouns
uncountable nouns

b- specific plural countable nouns

c-

3- We use some to introduce a _____ for a _____ of items.

a- singular noun, group

b- countable noun, group

c- plural noun, group

4- We don't use an article with (choose more than one)

a- singular nouns to talk about things in general

b- plural nouns to talk about things in general

c- uncountable nouns to talk about things in general

Q30/ Write a paragraph about the "Scientific Method." (50-80 words)

Q31/ Explain what is the "Scientific Method." (10 Marks)

Q32/ When do we use (a, an, the, some, and no article)? (14 Marks)

Q33/ Complete the following with a suitable noun phrase (12 Marks)

1. Do _____

2. Make _____

3. Collect _____

4. Display _____

5. Draw _____

6. Prove _____

Q34/ Read this paragraph and answer the following questions. (5 Marks)

Employment

Employment means the relationship between two persons where one provides the service and the other pays for it. The person who employs is known as the employer and the person being employed is the employee. The employer can be anyone from large corporations to NGOs and businessmen. People have been employed to complete tasks of the employer in return for a certain payment for a very long time.

The relation between an employer and employee has not changed much over the years. However, unlike earlier when the employee was not much respected, in today's era employees and employers share a mutual respect and trust. Nowadays the employee needs to sign contracts with employers to begin their work, and the term of employment is dictated by the contract. Self-employment is a term that means being employed in one's own business. Both of these employments have their own share of advantages and disadvantages. Employment is in huge demand right now due to the increasing population. It provides a way to earn money and live one's life peacefully.

- 1- What is an employer?
 - 2- What is the relation between the employer and the employee?
 - 3- What is being employed in one's own business called?
 - 4- What provides a way to earn money?
 - 5- Why does the employee needs to sign contracts with employers?
-

Q35/ Write whether the following are "open" or "closed" questions. (5 marks)

- 1- What would you like to drink?
 - 2- Would you like to play video games?
 - 3- Do you know Kurdish?
 - 4- Are you in Kurdish department?
 - 5- Would you like to pass or fail the exam?
-

Q36/ Change the following nouns into verbs. (6 Marks)

Advertisement/Advisor/ Impression/ Organization/ preparation/ Recruitment

Q37/ Put the following in the correct order (1-,2-,3-,4-) about "How to get a holiday job" (4 Marks)

- 1- Think of a good, truthful answer in each case.
- 2- Extend your turn.
- 3- You must have the correct body language.

4- Think about the interview before it starts. What questions will the interviewer ask?

Q38/ Correct the following (5 marks)

- 1- You must be impolite to colleagues.
 - 2- You must disrespect your manager.
 - 3- You must go to work now and then.
 - 4- You mustn't be nice to customers.
 - 5- You must play games on the computers at work.
-

Q39/ Answer the following (5 marks)

- 1- What day is tomorrow?
 - 2- What is the day after tomorrow?
 - 3- What is the date of tomorrow?
 - 4- What time is it? (Use Time: 4:45)
 - 5- What is the date of last Monday?
-

Q40/ Write a paragraph about "A good employer" (50-80 words) (5 marks)

Q41/ Read this paragraph and answer the following questions. (5 Marks)

Employment

Employment means the relationship between two persons where one provides the service and the other pays for it. The person who employs is known as the employer and the person being employed is the employee. The employer can be anyone from large corporations to NGOs and businessmen. People have been employed to complete tasks of the employer in return for a certain payment for a very long time.

The relation between an employer and employee has not changed much over the years. However, unlike earlier when the employee was not much respected, in today's era employees and employers share a mutual respect and trust. Nowadays the employee needs to sign contracts with employers to begin their work, and the term of employment is dictated by the contract. Self-employment is a term that means being employed in one's own business. Both of these employments have their own share of advantages and disadvantages. Employment is in huge demand right now due to the increasing population. It provides a way to earn money and live one's life peacefully.

- 1- What is employment?
- 2- What is the difference between the employer and the employee?
- 3- What is self-employment?

- 4- Why employment is in huge demand right now?
- 5- What does employment provides?

Q42/ Write whether the following are “open” or “closed” questions. (5 marks)

- 1- Would you like tea or coffee?
 - 2- Would you like to visit Russia or America?
 - 3- Would you like some help?
 - 4- Do you go to U=university?
 - 5- What do you want?
-

Q43/ Change the following nouns into verbs. (6 Marks)

Advertise/ Advise / Impress/ Organize/ prepare/ Recruit

Q44/ Put the following in the correct order (1-,2-,3-,4-) about “How to get a holiday job” (4 Marks)

-
- 1- Prepare an answer for the first part of the interview.
 - 2- Read the job advertisement carefully.
 - 3- Prepare an answer for other common questions.
 - 4- Research the company.
-

Q45/ Correct the following (5 marks)

- 1- You must be polite to colleagues – they will buy lunch for you everyday.
 - 2- You must respect your manager. Why? Because he is taller than you.
 - 3- You must go to work because it 's boring at home.
 - 4- You must be nice to customers. Why? Because they are poor.
 - 5- You mustn't play games on the computers at work because the level is too difficult for you.
-

Q46/ Answer the following (5 marks)

- 1- What day is today?
- 2- What was yesterday?
- 3- What is the date of today?
- 4- What time is it? (Use Time:3:30)
- 5- What is the date of next Monday?

Q47/ Write a paragraph about “How to be a good employee” (80-100 words) (5 marks)

Q48/ Read the following passage and answer the following questions? (5 Marks)

Employment means the relationship between two persons where one provides the service and the other pays for it. The person who employs is known as the employer and the person being employed is the employee. The employer can be anyone from large corporations to NGOs and businessmen. People have been employed to complete tasks of the employer in return for a certain payment for a very long time.

The relation between an employer and employee has not changed much over the years. However, unlike earlier when the employee was not much respected, in today's era employees and employers share a mutual respect and trust. Nowadays the employee needs to sign contracts with employers to begin their work, and the term of employment is dictated by the contract. Self-employment is a term that means being employed in one's own business. Both of these employments have their own share of advantages and disadvantages. Employment is in huge demand right now due to the increasing population. It provides a way to earn money and live one's life peacefully.

- 1- What is employment?
- 2- What is the difference between the employer and the employee?
- 3- What is self-employment?
- 4- Why employment is in huge demand right now?
- 5- What does employment provides?

Q49/ Write True for True statements and False for false statements.then correct the false. (5 Marks)

- 1- You must go to work everyday.
- 2- You mustn't be punctual.
- 3- You must do all tasks later.
- 4- You must organise your files insensibly.
- 5- You must keep your workspace untidy.

Q50/ Answer the following questions. (5 Marks)

- 1-What time is it? (3:20 pm)
- 2- What day is today?
- 3- What day was yesterday?
- 4- What is the date of today?
- 5- What is the date of this Thursday?

Q51/ Complete each phrase with a suitable noun. [5 Marks]

- 1- Write _____
- 2- Design _____
- 3- send _____
- 4- Complete the _____
- 5- Make _____

Q52/ Complete each phrase with a suitable verb. (6 Marks)

- 1- _____ a short list
- 2- _____ References
- 3- _____ Interviews
- 4- _____ candidates
- 5- _____ the best candidate

Q53/ Match the following
Marks]

[5

| Words | Meanings |
|--------------|-----------------------------------|
| 1-Articulate | a- large number |
| 2- issues | b-a person who works for himself |
| 3- shifts | c-able to put words together well |
| 4-freelance | d-important points |
| 5-mass | e-working periods |

Q54/ Define the following. (5 Marks)

- 1- Punctual 2-manager 3-colleagues 4-customers 5-equipments

Q55- Write whether the following are “open” or “closed” questions. (5 marks)

- 1- Would you like tea or coffee?
- 2- Would you like to visit Russia or America?
- 3- Would you like some help?
- 4- Do you go to university?
- 5- What do you want?

Q56/ Read the following passage and answer the following questions? (5 Marks)

Employment means the relationship between two persons where one provides the service and the other pays for it. The person who employs is known as the employer and the person being employed is the employee. The employer can be anyone from

large corporations to NGOs and businessmen. People have been employed to complete tasks of the employer in return for a certain payment for a very long time.

The relation between an employer and employee has not changed much over the years. However, unlike earlier when the employee was not much respected, in today's era employees and employers share a mutual respect and trust. Nowadays the employee needs to sign contracts with employers to begin their work, and the term of employment is dictated by the contract. Self-employment is a term that means being employed in one's own business. Both of these employments have their own share of advantages and disadvantages. Employment is in huge demand right now due to the increasing population. It provides a way to earn money and live one's life peacefully.

- 1- What is an employer?
- 2- What is the relation between the employer and the employee?
- 3- What is being employed in one's own business called?
- 4- What provides a way to earn money?
- 5- Why does the employee needs to sign contracts with employers?

Q57/ Write True for True statements and False for false statements.then correct the false. (5 Marks)

- 1- You must be impolite to colleagues.
- 2- You must disrespect your manager.
- 3- You must go to work now and then.
- 4- You mustn't be nice to customers.
- 5- You must play games on the computers at work.

Q58/ Answer the following questions. (5 Marks)

- 1-What time is it? (4:45 pm)
- 2- What day is tomorrow?
- 3- What day is after tomorrow?
- 4- What is the date of tomorrow?
- 5- What is the date of next tuesday?

Q59/ Complete each phrase with a suitable noun. [5 Marks]

- 1- Take up _____
- 2- Telephone _____
- 3- Conduct _____
- 4- Interview _____
- 5- Select _____

Q60/ Complete each phrase with a suitable verb. (5 Marks)

- 1- _____ a job description

- 2- _____ an advertisement
- 3- _____ an application form
- 4- _____ a short list
- 5- _____ References

Q61/ Match the following
Marks]

[5

| Words | Meanings |
|--------------|-------------------|
| 1- field | a-give items to |
| 2-contribute | b-Area |
| 3-cub | c-increase |
| 4-rise | d-extra benefits |
| 5- perks | e-junior employee |

Q62/ Choose the correct answer for the following. (5 Marks)

1- To be always on time means to be

- a- tidy b-punctual c-organised

2- The person who gives you your tasks is your

- a- manager b-colleague c-brother

3- The people who you work with are your

- a- friends b-family c-colleagues

4- The people who buy things from company are

- a-students b-employees d-customers

5- The phones and computers are

- a-equipments b-people places

Q63/ Write whether the following are “open” or “closed” questions. (5 marks)

- 1- What would you like to drink?
- 2- Would you like to play video games?

- 3- Do you know Kurdish?
 - 4- Are you in Kurdish department?
 - 5- Would you like to pass or fail the exam?
-