

**Emar English Series 12**  
**Literary Section**  
 الصف الثالث الثانوي الفرع العلمي

**مؤسسة المتفوقين التربوية**  
**مدارس نهم المتفوقين الخاصة**

**Module 4 (Biology)**  
**Unit 8 (Facts about Human Body) S.B/WB**



## I. Reading

**\*A / Read the following text, then choose the correct answer a, b, c or d:**

### **Human body / S.B / Pages (77,78)**

- (1) The human body is a wonderful machine which performs several functions without rest from birth. Our
- (2) body continues to work, without stopping for a second. The main organs of the human body are lungs, heart.
- (3) Kidney, liver and brain. These organs work together and are controlled by the brain. Each system such as
- (4) the digestive system, excretory system, circulatory system, endocrine system, nervous system or muscular
- (5) system carries out a major function.
- (6) All of them are controlled by the brain which gives us intelligence to use our physical and mental abilities.
- (7) An average person is estimated to contain 30 trillion human cells, according to recent research. These cells
- (8) include neurons (nerve cells) and glands (specialized cells). The harmonies and enzymes are produced and
- (9) secreted by these glands perform different functions.
- (10) The human body is covered by the skin, which is a flexible covering that protects the body and keeps water
- (11) and harmful germs out. The body's strong internal framework (skeleton) is made of 206 bones, connected
- (12) at the joint, such as in legs. These joints help us to move. The backbone supports the head and limbs and
- (13) protects the spinal cord. Between the skeleton and the skin, there are about 500 muscles. Nerves spread
- (14) from the brain to all parts of the body, carrying signals in the form of tiny electrical impulses. The sense
- (15) organs namely eyes, nose ears, tongue and skin pass the messages to the brain through nerves. They take
- (16) the instructions from the brain to the muscles. The brain automatically controls breathing, heartbeat,
- (17) digestion, etc.
- (18) The body keeps on growing. The peak of physical growth is reached at about 18 to 25 years of age. When
- (19) we grow old, the skin becomes wrinkled and less elastic, the joints become inflexible, muscles loose, and
- (20) bones become weak.
- (21) Here are some tips for aging gracefully: by kind to your skin which is your largest organ. You should also
- (22) keep your salt intake to minimum to keep your blood pressure down. Also getting enough sleep has been
- (23) proved to lower the risk of heart disease and stroke.

1. The Human body is considered a great machine because it performs several functions without ..... from birth.

- A. blood                      B. money                      C. rest                      D. pulse

2. The ..... controls all the body organs.

- A. heart                      B. brain                      C. stomach                      D. kidney

3. Hormones and enzymes are produced by .....
- A. nerve cells      B. skeleton      C. joints      D. glands**
4. The human body can be protected from harmful germs by the.....
- A. skeleton      B. water      C. skin      D. cells**
5. The main function of the ..... is carrying signals in the form of tiny electrical impulses.
- A. cells      B. nerves      C. bones      D. brain**
6. When we become older our skin becomes.....
- A. strong      B. inflexible      C. weak      D. elastic**
7. About..... percent of the brain is made of water.
- A. 25      B. 50      C. 75**
8. The largest organ in our bodies is .....
- A. the heart      B. the skin      C. the head**
9. The heart pumps about ..... gallons of blood a day.
- A. 2000      B. 2500      C. 30000**
10. The ..... is the soldier of our body.
- A. immune system      B. blood      C. cells**
11. The human hand has ..... bones.
- A. 43      B. 32      C. 27**
12. The skin is a /an.....
- A. system      B. organ      C. cell**
13. The skin ..... the body.
- A. protects      B. strengthens      C. supports**
14. The skin has.....
- A. fibers      B. bones      C. tissues**
15. The skin ..... the temperature of the body.
- A. regulates      B. increases      C. decreases**
16. The skin provides the human body with vitamin .....
- A. D      B. A      C. B**
17. The dangerous radiation of the sun is reduced by producing ..... by the skin.
- A. vitamins      B. melanin      C. new cells**
18. The word **Excretory** in the text means:
- A. relating to the system in your body that produces hormones**  
**B. an arm or a leg**  
**C. capable of stretching**  
**D. having the function of getting rid of waste material from the body**

19. The word **Endocrine** in the text means:
- A. relating to the system in your body that produces hormones
  - B. with small lines and folds
  - C. capable of stretching
  - D. produced
20. The word **Secreted** in the text means:
- A. to make less tight, to loosen
  - B. produced
  - C. an arm or leg
  - D. with small lines and folds
21. The word **Limbs** in the text means:
- A. with small lines and folds
  - B. relating to the system in your body that produces hormones
  - C. an arm or leg
  - D. to make less tight, to loosen
22. The word **Wrinkled** in the text means:
- A. to make less tight, to loosen
  - B. an arm or leg
  - C. having the function of getting rid of waste material from the body
  - D. with small lines and folds
23. The word **Elastic** in the text means:
- A. an arm or leg
  - B. produced
  - C. capable of stretching
  - D. having the function of getting rid of waste material from the body
24. The word **Loose** in the text means:
- A. with small lines and folds
  - B. an arm or leg
  - C. capable of stretching
  - D. to make less tight, to loosen

**\*B / Decide whether these statements are True or False.**

1. The human body is a wonderful machine which performs a few functions without rest from birth.  
**a. True** **b. False**
2. The organs in the body work separately and are controlled by the brain.  
**a. True** **b. False**
3. The human body is covered by the skin, which is a flexible covering that protects the body and keeps water and harmful germs out.  
**a. True** **b. False**
4. When we grow old, the skin becomes fresh and more elastic, the joints become flexible, muscles loose, and bones become strong.  
**a. True** **b. False**
5. The backbone supports the head and limbs and protects the spinal cord.  
**a. True** **b. False**

**How does the immune system work? / W.B / Pages (65,66)**

- (1) The immune system has a vital role since it protects your body from harmful substances germs and cell
- (2) changes that could make you ill. It is made up of various organs, cells and proteins.
- (3) As long as your immune system is running smoothly, you don't notice that it's there. But if it stops working
- (4) properly- because it's weak or can't fight particularly aggressive germs- you get ill. Germs that your body
- (5) has never encountered before are also likely to make you ill. Some germs will only make you ill the first
- (6) time you come into contact with them. These include childhood diseases like chickenpox.
- (7) **The task of the immune system**
- (8) Without an immune system, we would have no way to fight harmful things that enter our body from the
- (9) outside or harmful changes that occur inside our body.
- (10) The main tasks of the body's immune system are:
- (11) • To fight disease- causing germs (pathogens) like bacteria, viruses, parasites or fungi, and to remove them
- (12) from the body.
- (13) • To recognize and neutralize harmful substances from the environment.
- (14) • To fight disease- causing changes in the body, such as cancer cells.
- (15) **How is the immune system activated?**
- (16) The immune system can be activated by a lot of different things that the body doesn't recognize as its own.
- (17) These are called antigens. Example of antigens include the proteins on the surfaces of bacteria, and viruses.
- (18) When these antigens attach to special receptors on the immune cells (immune system cells), a whole series
- (19) of processes are triggered in the body. Once the body has come into contact with a disease- causing germ
- (20) for the first time, it usually stores information about the germs and how to fight it. Then, if it comes into
- (21) contact with the germs again, it recognizes the germ straight away and can start fighting it faster.

- 1. The immune system is so important because it..... our body.
  - A. supports
  - B. provides
  - C. protects
  - D. increases
- 2. The immune system consists of.....
  - A. organs
  - B. cells
  - C. proteins
  - D. all
- 3. If the immune system couldn't work, you get .....
  - A. healthy
  - B. sick
  - C. crazy
  - D. strong
- 4. One of these statements is not a task for the immune system:
  - A. fight disease cause germs
  - B. protect spinal cord and bones
  - C. recognize harmful substances
  - D. fight disease- causing changes in the body such as cancer cells
- 5. ....help the body to fight germs more quickly.
  - A. Proteins
  - B. Viruses
  - C. Antigens
  - D. Germs

6. The word **Encounter** in the text means:

- A. nerve endings which receive information about changes in light, heat and causes the body to react in particular ways**
- B. to meet or experience something unpleasant**
- C. to make something happen very quickly**
- D. simple type of plants that grow on the surface**

7. The word **Aggressive** in the text means:

- A. behaving in an angry threatening way**
- B. organisms that live on or in another organism of a different species**
- C. nerve endings which receive information about changes in light, heat and causes the body to react in particular ways**
- D. organisms that live on or in another organism of a different species**

8. The word **Receptors** in the text means:

- A. organisms that live on or in another organism of a different species**
- B. a substance that makes the body produce antibodies**
- C. nerve endings which receive information about changes in light, heat and causes the body to react in particular ways**
- D. simple type of plants that grow on the surface**

9. The word **Trigger** in the text means:

- A. simple type of plants that grow on the surface**
- B. nerve endings which receive information about changes in light, heat and causes the body to react in particular ways**
- C. to meet or experience something unpleasant**
- D. to make something happen very quickly**

10. The word **Parasites** in the text means:

- A. organisms that live on or in another organism of a different species**
- B. a substance that makes the body produce antibodies**
- C. simple type of plants that grow on the surface**
- D. to meet or experience something unpleasant**

11. The word **Antigens** in the text means:

- A. simple type of plants that grow on the surface**
- B. a substance that makes the body produce antibodies**
- C. organisms that live on or in another organism of a different species**
- D. nerve endings which receive information about changes in light, heat and causes the body to react in particular ways**

12. The word **Fungi** in the text means:

- A. to meet or experience something unpleasant
- B. organisms that live on or in another organism of a different species
- C. a substance that makes the body produce antibodies
- D. simple type of plants that grow on the surface

## II. Use of English / 1. Vocabulary

**Choose the correct answer a, b, c or d:**

### **(A) . body idioms**

#	Body Idioms	Arabic Meaning	English Meaning
1	A pain in the neck	مزعج	Annoying
2	Speak <i>her</i> mind	يقول ما في باله	To say exactly what <i>she</i> thinks
3	Cost <i>you</i> an arm and a leg	مكلف جدا	Very costly Very expensive
4	Jump out of his skin	يصاب بالصدمة	Shock
5	Follow your heart	يتبع قلبه واحساسه	Go after your deeper feeling and instinct

1. Writing long essays on uninteresting topics is.....
  - A. a pain in the neck
  - B. casts you an arm and a leg
  - C. follow your heart
  - D. jump out of skin
2. She has very strong opinions and she's not afraid to.....
  - A. jump out of skin
  - B. follow her heart
  - C. speak her mind
  - D. casts an arm and a leg
3. You must visit that restaurant; the food is really good but it.....
  - A. is a pain in the neck
  - B. speaks its mind
  - C. costs an arm and a leg
  - D. jumps out of skin
4. The doorbell made him.....
  - A. follow his heart
  - B. a pain in the neck
  - C. jump out of his skin
  - D. speak his mind
5. You might make less money from that job, but if it really attracts you, you should.....
  - A. follow your heart
  - B. speak your mind
  - C. jump out of your skin
  - D. pain in the neck
6. His sudden outbursts have made him a real ..... and socially unwanted.
  - A. pain in the neck
  - B. follow his heart
  - C. jump out of his skin
  - D. speak his mind



10. My dad can't help me with my homework. If only he ..... me.  
**a. will help                      b. could help                      c. would helped                      d. can help**
11. James is a heavy smoker. I wish James ..... smoking.  
**a. would stop                      b. will stop                      c. had stopped                      d. stops**
12. He blows cigarette smoke in my face. I wish he ..... smoking.  
**a. would stopped                      b. would stop                      c. can stop                      d. will stop**
13. My sister makes fun of people. I wish she ..... fun of anyone.  
**a. won't make                      b. would make                      c. wouldn't make                      d. made**
14. Hani *never* answers my emails. If only he ..... more of my emails.  
**a. answers                      b. 'd answered                      c. 'd answer                      d. will answer**
15. I don't know how to dance. I wish I ..... how to dance.  
**a. know                      b. knew                      c. had known                      d. will know**
16. Our classroom doesn't have coloured walls. I wish our classroom ..... coloured walls.  
**a. had                      b. has                      c. has had                      d. didn't have**
17. I have a strong desire that our head teacher limit absence in our school.  
 I wish our head teacher ..... absence in our school.  
**a. would limit                      b. will limit                      c. had limited                      d. has limited**
18. I didn't go shopping last week. I wish I ..... shopping.  
**a. would go                      b. had gone                      c. will go                      d. go**
19. I regret that I started smoking. I wish I ..... smoking.  
**a. would start                      b. would started                      c. hadn't started                      d. couldn't start**
20. I looked everywhere for my key. I wish I ..... it.  
**a. had found                      b. have found                      c. will find                      d. can find**
21. I missed the flight. I really wish I ..... it.  
**a. catch                      b. will catch                      c. would caught                      d. wouldn't catch**
22. My brother didn't do the laundry for me. I wish he ..... me with that.  
**a. helps                      b. had helped                      c. could helped                      d. will help**
23. Rana left the meeting early. Rita wishes she ..... for more time.  
**a. stays                      b. could stay                      c. had stayed                      d. would stay**
24. Lama refused to sign the contract. But her parents wish she ..... it.  
**a. can accept                      b. will accept                      c. would accept                      d. had accepted**
25. The injured player could only watch the match. He wishes he ..... the match.  
**a. would play                      b. can play                      c. had played                      d. plays**
26. Didn't you save your friend's phone number? – No, I wish I ..... her phone number.  
**a. save                      b. have saved                      c. can save                      d. had saved**
27. Michel didn't revise his lessons for the exam. I wish he ..... his lessons for the exams.  
**a. had revised                      b. will revise                      c. has revised                      d. could revised**
28. I spent all my money. I wish now that I ..... it.  
**a. had saved                      b. saved                      c. have saved                      d. save**



### 3. Pronunciation

#### Syllable stress

Syllable stress is often determined by the prefixes and suffixes that have been added to the basic form of the word. In words with **prefixes** such as **a, un, be, in, pro, ex, ob, dis**, etc., the stress is almost always on the second or third syllable, i.e. **prefixes are not stressed in English words**. Similarly, **suffixes** such as **-ness, -able, -ous**, etc, **are not stressed**.

#### Choose the correct answer (a, b, c, or d):

1. Which word has the correct stressed syllable:

- a. LOUDness                      b. UNfriendly                      c. IRresponsible                      d. REuse

2. Which word has the correct stressed syllable:

- a.dangerOUS                      b. sociABLE                      c. imPROBable                      d. UNSafe

3. Which word has the correct stressed syllable:

- a.MISbehave                      b. aggresSIVE                      c. COMfortable                      d. INsecure

4. Which word has the correct stressed syllable:

- a.REliable                      b. independENT                      c. talkaTIVE                      d. iLEGAL

5. Which word has the correct stressed syllable:

- a.ambiTIOUS                      b. INcorrect                      c. suPERlative                      d. unbelievABLE

6. Which word has the correct stressed syllable:

- a.accountABLE                      b. competiTIVE                      c. imPOSSible                      d. UNload

7. Which word has the correct stressed syllable:

- a.distinctive                      b. predICTable                      c. INSufficient                      d. sensiBLE

8. Which word has the correct stressed syllable:

- a.interacTIVE                      b. sugGESTible                      c. IRregular                      d. developMENT

9. Which word has the correct stressed syllable:

- a.reSPECTable                      b. INcorrect                      c. UNload                      d. distinctIVE

## 4. Everyday English:

### Asking for Help

I need your help.

Can / Could you help me?

Do you think you could possibly help me?

### A: Choose the correct answer (a, b, c, or d):

- You are in a launderette. The instructions on the washing machine are not clear. What do you say?
  - I'm sorry about what happened.
  - Can you explain the instructions for me?
  - Please forgive me.
  - I'm proud of you.
- You have a long ladder to get up on the roof. Ask a friend to help you put it up and hold it while you climb up and take a bird's nest out of the drainpipe.
  - You must be very tired.
  - I've no doubt you'll do much better next time.
  - OK. I can do that.
  - Could you hold the ladder while I climb up?
- I'm sorry to trouble you at this early hour but .....

  - congratulations
  - you really deserve this honour
  - OK. I can do that
  - I need your help urgently

- My friend has had a bad fall. He's hit his head on something sharp. He's bleeding. I think he'll need some stitches. ....

  - I don't know whether I could.
  - Could you rush us to a nearby hospital?
  - Very well done! Keep it up.
  - I've no doubt you'll do much better next time.

- Give me a moment and I'll be there. ....

  - Do you think you could possibly bring the first aid kit with you?
  - I feel the real credit must go to my colleagues.
  - It's very inconvenient.
  - OK. I can do that

- "Would you help me prepare what to do about the graduation party?" The speaker is .....

  - complaining
  - accepting the advice
  - asking for help
  - congratulating

**B. Choose the suitable statements to complete the dialogue:**

- 1. Would you help me prepare what to do about the graduation party?
- 2. I would like to help you with both
- 3. A restaurant would be fun
- 4. We should probably have fun
- 5. Maybe we could do both!

**A: 1.** .....

**B:** I would be happy to help. What would you like me to help with, food or entertainment?

- A. Would you help me prepare what to do about the graduation party?**
- B. I would like to help you with both.**
- C. We should probably have fun.**
- D. Maybe we could do both!**

**A: 2.** .....

**B:** That will be fine. To make sure everything goes well, do you think we should have the party at home or at a restaurant?

- A. Would you help me prepare what to do about the graduation party?**
- B. I would like to help you with both.**
- C. A restaurant would be fun.**
- D. We should probably have fun.**

**A: 3.** .....

**B:** Sounds good. Do you think that Mexican or Arabian food would be best?

- A. Would you help me prepare what to do about the graduation party?**
- B. A restaurant would be fun.**
- C. We should probably have fun.**
- D. Maybe we could do both!**

**A: 4.** .....

**B:** Yes, that will work out fine. Should we hire a band or bring in a DJ?

- A. Would you help me prepare what to do about the graduation party?**
- B. I would like to help you with both.**
- C. We should probably have both.**
- D. Maybe we could do both!**

**A: 5.** .....

**B:** Everything sounds great then! I'll meet you back here on Friday to discuss the details.

- A. Would you help me prepare what to do about the graduation?**
- B. I would like to help you with both.**
- C. A restaurant would be fun.**
- D. Maybe we could do both!**

### III- Writing:

#### A. Ask about the underlined word in each sentence:

1. A: .....
- B: **Dr. Charles** did research on the handles of 50 carts in different supermarkets.
2. A: .....
- B: He found **bacteria from human waste** on the handles.
3. A: .....
- B: He advised people **to wash reusable shopping bags after use.**
4. A: .....
- B: **All of the parts of the body** are controlled by the brain.
5. A: .....
- B: The brain weighs **about 2. 75 pounds.** [الباوند؛ الرَّطَل الإنكليزيّ [حوالي 453 غرامًا]

#### B. Choose the wrong part of the sentence (a, b, c, or d):

1. The skin is a largest organ. It covers and protects the entire body. Without skin, people's muscles, bones, and organs  
 A B C D
2. would have no support. Skin holds everything together and contain lots of tissues each doing a different job.  
 A B C D
3. It protects our bodies from the dangers of the harsh enviroment and helps keep our bodies at just the right temperature and allows  
 A B C D
4. us to has the sense of touch. The skin also produces vitamin D which helps to prevent many diseases.  
 A B C D
5. Finally, it protects we from ultra-violate radiation of the sun by producing melanin.  
 A B C D

Al Moutafawiqin English Language Committee