

امتحان شامل بكالوريا علمي
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A-Read the following text and do the tasks below:

Medical engineering is also called biomedical engineering. This field is concerned with studying the body from an engineering point of view, in order to design suitable artificial limbs, organs, or other medical devices. Medical technology engineering helps doctors define their tasks and facilitates their work more, so the medical device has become an essential assistant for the doctors in all steps, starting from diagnosis, to the end of the treatment course. The need for development in this field has made designing medical devices a great priority, and this in turn led to the intervention of electrical, mechanical computer engineers and others, whose knowledge does not depend on their **specialties** only, but rather, they must be familiar with all aspects of human body, from biology, anatomy and physiology.

Choose the right answer (a ,b, or c) to complete the following:

1. Designing medical devices is considered as a in the biomedical engineering field.

- a- major concern** **b- major threat**
c- minor issue **d- minor procedure**

2. By facilitating the doctors' work more, biomedical engineering makes doctors' jobs

- a- harder** **b- smoother**
c- tougher **d- challenging**

3. Progression.

- a- Familiar** **b- Physiology**
c- Aspects **d- Development**

4. "Specialties" in the 13th line is a/an

- a- noun** **b- adverb**
c- adjective **d- verb**

5. Designing artificial limbs is one of the of biomedical engineering.

- a- introductions**
b- complexes
c- applications
d- controllers

B-Read the following text and do the tasks below:

Medical devices can be divided into two parts, diagnostic medical devices, most notably the ultrasound device, and medical therapeutic devices used in chemical treatments. Another classification includes three categories. Firstly, we have simple devices such as bandages, body temperature meters and others. There are also more complex devices that require a certain amount of caution, such as those that emit X-rays. Finally, there are those which require a deep study before their use, such as the valves used in the artificial heart, in addition to the artificial joints. Medical engineers work in many fields like **well-equipped** hospitals and clinics in particular, medical companies and the advanced major research centers in universities.

Choose the right answer (a ,b, or c) to complete the following:

1. Complex devices require a certain amount of

- a- attention** **b- irresponsibility**
c- illiteracy **d- unawareness**

2. If something requires deep study, then there should be some

- a- superstition** **b- researches**
c- magic **d- mythologies**

3. What might contradict when using a complex machine?

- a- Beneficial rays** **b- Positive rays**
c- Productive rays **d- Hurtful rays**

4. "Well-equipped" in the 12th line is a/an

- a- adjective** **b- noun**
c- adverb **d- verb**

5. What a diagnostic medical device can do? It helps doctors what causes the disease.

- a- to determine**
b- to find out
c- to discover
d- all

C- Choose the correct answer:

1. Uncooked meat is a/an type of food in my city.
a)- unfamiliar b)- infamiliar
c)- iffamiliar d)- disfamiliar
2. By the end of this year, I more than 1000 km.
a)- am going to drive b)- will have driven
c)- have driven d)- will drive
3. Choose the correct sentence:
a)- Use should to express personal obligation.
b)- Use shouldn't to express personal obligation.
c)- Use have to to express personal obligation.
d)- Use must to express personal obligation.
4. Never such well-behaved children before.
a)- I see b)- have I seen
c)- I will see d)- I had seen
5. I didn't see him
a)- a few years ago b)- last year
c)- a year ago d)- all
6. Only after, did he travel to London to study.
a)- he graduated b)- he had graduated
c)- did he graduate d)- had he graduated
7. There to hold a meeting.
a)- he went b)- goes he
c)- did he go d)- he goes
8. She worked on Sunday but she was ill.
a)- must have b)- has to
c)- should have d)- would have
9. Throughout history, there many famous people.
a)- have been b)- had been
c)- were d)- are
10. She her homework today because she is sick.
a)- doesn't do b)- is not doing
c)- is doing d)- hasn't done
11. Our flat is rather small. I wish it a bit bigger.
a)- was b)- were
c)- is d)- Both A&B
12. I don't know. I have been sitting here all afternoon, but he until now.
a)- didn't notice it b)- doesn't notice it
c)- hasn't noticed it d)- isn't noticing it
13. (screamed). The -ed is pronounced as...
a)- /id/ b)- /d/
c)- /ed/ d)- /t/
Yes, the are.
14. The bold word is pronounced as:
a)- /ɑ:/ b)- /ə/
c)- /æ/ d)- /ʌ/
15. /k/ is a voiced sound.
a)- True b)- False

16. (January). The bold letter is pronounced as:
a)- /dʒ/ b)- /f/
c)- /æm/ d)- /z/

17. This is the man who I saw yesterday.
Which part of the sentence is wrong?
a)- who b)- I
c)- saw d)- yesterday.
18. I think I will still be lived in the same city.
Which part of the sentence is wrong?
a)- think b)- still
c)- be d)- lived
19. The girl who waves at us is my cousin.
Which part of the sentence is wrong?
a)- The girl b)- who
c)- waves d)- is my cousin.
20. She doesn't speak one's mind.
Which part of the sentence is wrong?
a)- She b)- doesn't speak
c)- one's d)- mind
21. I spent all my money. I wish I had saved them.
Which part of the sentence is wrong?
a)- spent b)- my money
c)- had saved d)- them.
22. I my shoes repaired.
a)- must have b)- should have
c)- have to d)- would have
23. I object to being given this object.
a)- object b)- Object
24. If you rotten food, you will get arrested and end up in a prison
The bold word means:
a)- cell/sell b)- cell/sold
c)- sell/cell d)- sold/cell

D- Choose the correct answer:

25. A:.....?
He feels excited every time he sees a turtle.
a)- How does he feel every time he see a turtle?
b)- How does he feel every time he sees a turtle?
c)- How is he feeling every time he see a turtle?
d)- How is he feels every time he sees a turtle?
26. A:.....?
The weather will be sunny tomorrow.
a)- How will the weather likes tomorrow?
b)- What will the weather looks like tomorrow?
c)- What will the weather like tomorrow?
d)- What will the weather be like tomorrow?
27. A:.....?
He likes to spend time outside in the sun.
a)- Where does he like to spend time?
b)- What does he like to spend time?
c)- Why does he like to spend time?
d)- When does he like to spend time?

