

(A) Answer the following questions: (5 marks)

1. Define 'biomedical engineering'.

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..It is the branch of engineering that is concerned with the design of medical machines that can help patient and combine mechanics with the biology and study material for engineering and medicine.....

2. List the main branches of engineering

...Chemical Engineering, Civil Engineering, Electrical Engineering, Agricultural Engineering, Mechanical Engineering, Biomedical Engineering.....

3. What is 'electrical engineering'?

..It is the branch of engineering that is concerned with using electricity and the equipment for power generation and distribution and to control in switching material with electricity.....

4. What are civil engineers concerned with?

..It is concerned with the design and construction and operation of public and private works as building dams and bridges.....

5. What are the main tasks of biomedical engineers?

..biomedical engineers consider has a lot of tasks such as work in hospital to check devices and fixed it and design machines that help patient like wheel chairs, industrial part and the micro soft the devices and control it and solve medical problems by combining their knowledge of biology

(B) Which of the following is *true* and which is *false*: (5 marks)

1. Electrical engineers are usually concerned with using electricity to transmit information, while electronic engineers are concerned with using electricity to transmit energy. (X)
2. Agricultural engineering is sometimes called site engineering. (X)
3. Mechanical engineers are concerned with the principles of force, energy and motion. (✓)
4. Chemical engineering is the branch of engineering concerned with the design, construction and operation of the plants and machinery used in industrial chemical processes. (✓)
5. Civil engineers develop devices and procedures that solve medical and health problems by combining their knowledge of biology and medicine with engineering principles and practices. (X)

(C) Choose the correct answer: (5 marks)

1. His poor health had a bad (affect – effect) on his health.
2. (A large amount of - A great number of) buildings were constructed by civil engineers.
3. (Besides - Beside), I need to tell you about the importance of biomedical engineering.
4. Thomas Edison is a great (invent - inventor) of marvelous invention.
5. To reinforce your paragraph, you should (site – cite) some quotations of famous people.

(D) Identify the one underlined word or phrase A, B, C, or D that should be corrected or rewritten: (5 marks)

1. The amount of women earning Master's Degrees has risen sharply in recent years.
(A) B C D
2. There is fewer rainfall on the West Coast of the United States than on the East Coast.
(A) B C D
3. In 1955 the Hawaii was admitted to the Union as the 50th State.
(A) B C D
4. Water, ice, and snow play a role in affecting an earth's rotation.
A B (C) D
5. The Rhode island is the smallest state in the United States.
(A) B C D

With my best wishes