Drugs – 2020 IGCSE 0610

1. Nov/2020/Paper_11/No.28
    A drug is defined as a substance taken into the body that

    A   causes addiction.

    B   cures disease.

    C   kills bacteria.

    D   modifies or affects chemical reactions.

2. Nov/2020/Paper_12/No.28
    Which is the correct definition of a drug?

    A   a substance that affects or modifies chemical reactions in the body

    B   a substance that can have negative social implications

    C   a substance that can affect reaction times and self-control

    D   a substance that can kill bacteria

3. Nov/2020/Paper_13/No.28
    Which is a definition of all drugs?

    A   a substance taken into the body that acts as a depressant

    B   a substance taken into the body that affects chemical reactions in the body

    C   a substance taken into the body to cure illness

    D   a substance taken into the body to kill bacteria

4. Nov/2020/Paper_23/No.26
    Which substances can be misused to improve athletic performance?

    1   alcohol

    2   anabolic steroids

    3   testosterone

    A   1, 2 and 3   B   1 and 2 only   C   2 only   D   2 and 3 only

Tobacco smoke damages health and can cause many different diseases.

(a) Table 7.1 shows the number of deaths, caused by smoking, for three different diseases.

Table 7.1

disease	number of deaths caused by smoking
chronic obstructive pulmonary disease (COPD)	13 200
coronary heart disease (CHD)	12 000
lung cancer	22 800

Calculate the percentage of deaths that were caused by COPD.

Space for working.

....%

[2]

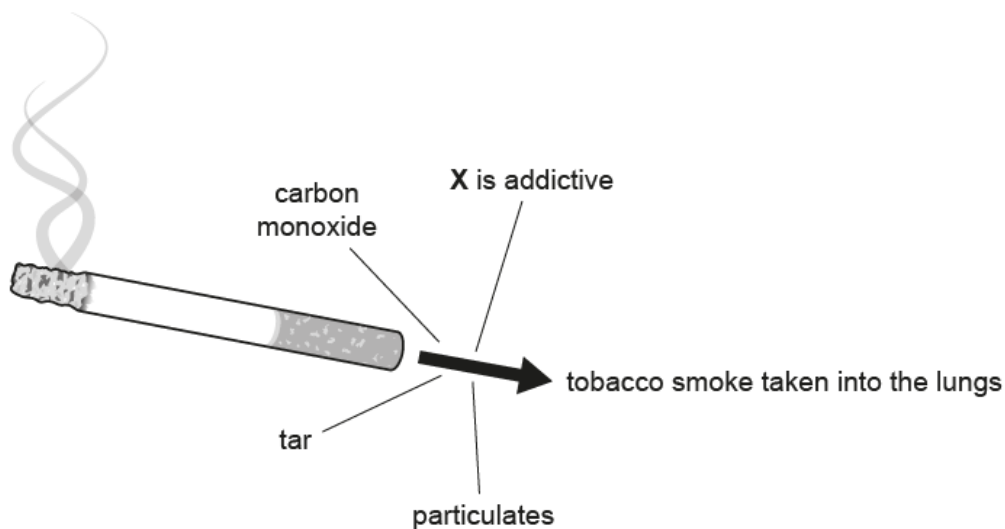**(b)** Fig. 7.1 is a drawing of a cigarette showing some of the substances in tobacco smoke.

Fig. 7.1

(i) Describe the effect of carbon monoxide and tar on the gas exchange system.

carbon monoxide ....

....

....

tar ....

....

....
[4]

(ii) State the name of component **X** shown in Fig. 7.1.

.... [1]

(c) Pregnant women are advised not to smoke as the harmful substances in tobacco can be transferred from the woman to her fetus.

Describe how the harmful substances are transferred from the mother to the fetus.

....

....

....

....

.... [2]

(d) Smoking is a risk factor for coronary heart disease.

State **three other** risk factors for coronary heart disease.

1 ....

2 ....

3 ....

[3]

[Total: 12]