

SECTION 3 Questions 21–30

Questions 21–24

Choose the correct letter, **A**, **B** or **C**.

Project on using natural dyes to colour fabrics

21 What first inspired Jim to choose this project?

- A textiles displayed in an exhibition
- B a book about a botanic garden
- C carpets he saw on holiday

22 Jim eventually decided to do a practical investigation which involved

- A using a range of dyes with different fibres.
- B applying different dyes to one type of fibre.
- C testing one dye and a range of fibres.

23 When doing his experiments, Jim was surprised by

- A how much natural material was needed to make the dye.
- B the fact that dyes were widely available on the internet.
- C the time that he had to leave the fabric in the dye.

24 What problem did Jim have with using tartrazine as a fabric dye?

- A It caused a slight allergic reaction.
- B It was not a permanent dye on cotton.
- C It was ineffective when used on nylon.

Questions 25–30

What problem is identified with each of the following natural dyes?

Choose **SIX** answers from the box and write the correct letter, **A–H**, next to Questions 25–30.

Problems

- A** It is expensive.
- B** The colour is too strong.
- C** The colour is not long-lasting.
- D** It is very poisonous.
- E** It can damage the fabric.
- F** The colour may be unexpected.
- G** It is unsuitable for some fabrics.
- H** It is not generally available.

Natural dyes

- 25** turmeric
- 26** beetroot
- 27** Tyrian purple
- 28** logwood
- 29** cochineal
- 30** metal oxide