

**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.

Test 3

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 .....