IELTS Exam Training Courses and Members Academy Listening Book 13 Test 3 Part 3: Natural dyes



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.
 - 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

- It is expensive.
- The colour is too strong.
- C The colour is not long-lasting.
- It is very poisonous.
- E It can damage the fabric.
- The colour may be unexpected.
- 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	

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EC	TION 3			21	ction
UTOR:	OK, Jim. You wanted to see me about your textile design project. That's right. I've been looking at how a range of natural dyes can be used to colour fabrics like cotton and wool.			22 23 24	AAB
TUTOR:	Why did you choose that topic?			25	C
M.	Well, I got a lot of useful ideas from the museum, you know, at that exhibition of textiles. But I've always been interested in anything to do with colour. Years ago, I went to a carpet shop with my parents when we were on holiday in Turkey, and I remember all the amazing colours.	Q21		26 27 28 29	F H D A
UTOR:	They might not all have been natural dyes. Maybe not, but for the project I decided to follow it up. And I found a great book about a botanic garden in California that specialises in plants used for dyes. OK. So, in your project, you had to include a practical investigation.			30	E
UTOR: M;	Yeah. At first I couldn't decide on my variables. I was going to just look at one type of fibre for example, like cotton				
UTOR: M:	and see how different types of dyes affected it? Yes. Then I decided to include others as well, so I looked at cotton and wool and	Q22			
UTOR:	nylon. With just one type of dye?				
IM: UTOR:	Various types: including some that weren't natural, for comparison. OK.				
IM:	So, I did the experiments last week. I used some ready-made natural dyes, I found a website which supplied them, they came in just a few days, but I also made some of my own.				
UTOR:	That must have taken quite a bit of time.				
IM:	Yes, I'd thought it'd just be a matter of a teaspoon or so of dye, and actually that wasn't the case at all. Like I was using one vegetable, beetroot, for a red dye, and I had to chop up a whole pile of it. So it all took longer than I'd expected.	Q23			
IM:	One possibility is to use food colourings. I did use one. That was a yellow dye, an artificial one.				
UTOR:	Tartrazine?				
IIM:	Yeah. I used it on cotton first. It came out a great colour, <u>but when I rinsed the material</u> , the colour just washed away. I'd been going to try it out on nylon, but I abandoned that idea.	Q24			
TUTOR:	Were you worried about health issues?				
JIM: TUTOR:	I'd thought if it's a legal food colouring, it must be safe. Well, it can occasionally cause allergic reactions, I believe.				
TUTOR: JIM:	So what natural dyes did you look at? Well, one was turmeric. The colour's great, it's a really strong yellow. It's generally				
TUTOR:	used in dishes like curry. It's meant to be quite good for your health when eaten, but you might find it's not permanent when it's used as a dye — a few washes, and it's gone.	Q25			
JIM:	Right. I used beetroot as a dye for wool. When I chop up beetroot to eat I always end up with bright red hands, but the wool ended up just a sort of watery cream shade. Disappointing.	Q26			
TUTOR:	There's a natural dye called Tyrian purple. Have you heard of that? Yes. It comes from a shellfish, and it was worn in ancient times but only by important people as it was so rare. I didn't use it.	Q27			
TUTOR:	It fell out of use centuries ago, though one researcher managed to get hold of some recently. But that shade of purple can be produced by chemical dyes nowadays. Did you use any black dyes?				
IIM:	Logwood. That was quite complicated. I had to prepare the fabric so the dye take.	would			
UTOR:	I hope you were careful to wear gloves. Yes, I know the danger with that dye,				
TUTOR:	CHILD ON THE STATE OF THE STATE	nad a	Q28		
IIM:	Yes. I didn't actually make that, I didn't have time to start crushing up insects to get the red colour and anyway they're not available here, but I managed to get the dye quite easily from a website. But it cost a fortune. I can see why it's generally just		Q29		
n moe	used in cooking, and in small quantities.				
TUTOR:	I also read about using metal oxide. Apparently you can allow iron to rust wh	ile it'e in			
	contact with the fabric, and that colours it.		020		
TUTOR:	Yes, that works well for dying cotton. But you have to be careful as the meta actually affect the fabric and so you can't expect to get a lot of wear out of fa treated in this way. And the colours are quite subtle, not everyone likes them Anyway, it looks as if you've done a lot of work	brics	Q30		

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