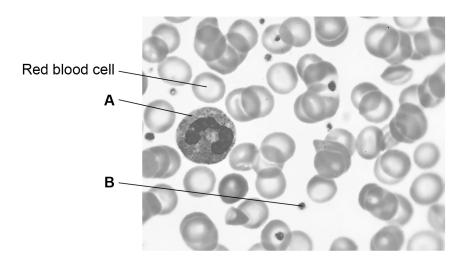
0 6	Blood is transported around the body in blood vessels.			
0 6.1	Draw <b>one</b> line from each type of blood vessel to the structure of the blood vessel.  [2 marks]			
	Type of blood vessel	Structure of blood vessel		
	Artery	One cell		
	Capillary	Muscle tissue		
	Vein	Muscle tissue		
0 6.2	Explain how the structure of an artery is related	d to its function. [2 marks]		
		Turn over N		





Figure 9 shows blood viewed through a microscope.





0 6.3	Name A and B in Figure 9.	[2 marks]
	A	
	В	
0 6.4	<ul><li>A red blood cell:</li><li>has no nucleus</li><li>contains a red pigment called haemoglobin.</li></ul>	
	Suggest how these adaptations help the red blood cell carry out its function	[2 marks]
	No nucleus	
	Haemoglobin	



0 6.5	The blood components are carried around the body in the liquid part of the blood.				
	What is the liquid part of the blood called?				[1 mark]
	Tick (	(✓) one box.			[1 mark]
	Cell s	зар			
	Plasn	na			
	Saliva	э			
	Urine				
Table 2 shows the results of a man's blood test.					
			Table 2		
		Blood component	Patient results	Normal range	
		Red blood cells	4.8	4.5 to 6.5	
		Lymphocytes	2.6	1.0 to 4.0	
		Neutrophils	5.1	1.8 to 7.5	
		Platelets	50	140 to 400	
06.6		h component of the man's	s blood is <b>not</b> within the n	ormal range?	[1 mark]
				ormal range?	[1 mark]

Turn over ▶



Question	Answers	Extra information	Mark	AO / Spec. Ref.
06.1	all lines correct = 2 marks 1 or 2 lines correct = 1 mark  Type of blood vessel	Structure of blood vessel	2	AO2 4.2.2.2
	Artery	One cell		
	Capillary	Muscle tissue		
	Vein	Muscle		
	additional line from a box on the le	eft negates the credit for that box		

06.2	<ul><li>any one from:</li><li>thick(er) (muscle) walls / tissue (1)</li></ul>		2	AO1 4.2.2.2
	to push blood (all) around the body (1)	allow to withstand high (blood) pressure do <b>not</b> accept to pump blood (all) around the body		
	<ul> <li>thick(er) elastic walls / tissue</li> <li>(1)</li> <li>to maintain / withstand high</li> </ul>			
	(blood) pressure or to retain / regain shape (1) or			
	<ul> <li>narrow lumen (1)</li> <li>to maintain high (blood)</li> <li>pressure (1)</li> </ul>			
06.3	(A) – white (blood) cell(s) (B) – platelet(s)	allow any named white (blood) cell(s)	1	AO2 4.2.2.3
06.4	(no nucleus) more space for haemoglobin / oxygen	allow to carry more oxygen	1	AO3 4.1.1.2 4.1.1.3
	(has haemoglobin) to bind / carry oxygen	ignore carries carbon dioxide	1	4.2.2.3
06.5	plasma		1	AO1 4.2.2.3
06.6	platelets		1	AO3 4.2.2.3

06.7	<ul><li>any one from:</li><li>(continued) bleeding</li><li>(more) bruising</li></ul>	allow described allow blood does not clot (at cuts) allow ecf from answer to question <b>06.6</b>	1	AO3 4.2.2.3
Total			11	