

Mark Scheme (Results)

November 2009

IGCSE

IGCSE History (4380) Paper 03

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Mark scheme Paper 03 IGCSE History November 2009

C1: Medicine in the Nineteenth Century

1. (a) Study Source A and then answer the question which follows. Write down THREE ways in which this cellar was unhealthy.

Target: AO1/AO2 Recall of Knowledge/comprehension of a source.

Overcrowded, dirty, animal sharing room, hovel.

3

- (b) Using Source B, and your own knowledge, give TWO reasons why there was little understanding of the cause of cholera in the first half of the nineteenth century

Target: AO1/AO2 Recall of knowledge/comprehension of a source.

NB This mark scheme is to be used for both parts of the question.

4

Level 1 Simple statements supported by some knowledge, eg Cholera is caused by bad air.

(1-2)

Level 2 Developed statements supported by relevant knowledge, eg Source suggests that people believed cholera caused by miasma theory. Lack of understanding of real reason - infected water supplies.

(3-4)

- (c) Using Sources C and D and your own knowledge explain why the work of Pasteur was important in the understanding and prevention of disease in the second half of the nineteenth century

Target: AO2 Comprehension and use of sources.

NB This mark scheme is to be used for both parts of the question.

8

Level 1 Simple statements, eg The sketch shows the first human vaccinated against rabies

(1-3)

Level 2 Developed statements, eg Source C suggests that Pasteur was important because he developed vaccines against rabies, chicken cholera and anthrax

(4-6)

Level 3 Developed explanation using the sources and own knowledge, eg, cf level 2. Own knowledge could also include how he developed vaccines, especially anthrax, rivalry with Koch and how his work encouraged other medical developments.

(7-8)

- (d) **In what ways did the work of Robert Koch and Paul Ehrlich change people's understanding of the causes of disease in the second half of the nineteenth century?**
 Target: AO1 Recall of Knowledge/understanding of change. 10
- | | | |
|---------|--|--------|
| Level 1 | Simple statements supported by some knowledge, eg Koch found causes of several diseases | (1-3) |
| Level 2 | Developed statements supported by relevant knowledge, eg Koch found causes of cholera and TB using scientific methods. Ehrlich discovered the magic bullet. | (4-6) |
| Level 3 | Developed explanation supported by selected knowledge eg cf level. Influence of their findings on other medical developments. Importance of Koch's scientific methods. | (7-8) |
| Level 4 | Sustained argument supported by precisely selected knowledge, eg As level 3 but limitations Koch's work and rivalry with Pasteur. | (9-10) |
- (Total 25 marks)

C2: Medicine in the Twentieth Century.

2. (a) **Write down THREE developments in transplant surgery in the second half of the twentieth century**
 Target: AO1/AO2 Recall of Knowledge/comprehension of a source.
- | | | |
|--|---|---|
| | Bone marrow transplant Artificial heart valves cornea transplant heart lung | 3 |
|--|---|---|
- (b) **Using Source B, and your own knowledge, give TWO reasons why developments in anaesthetics in the twentieth century have improved surgery.**
 Target: AO1/AO2 Recall of knowledge/comprehension of a source.
- NB This mark scheme is to be used for both parts of the question. 4
- | | | |
|---------|--|-------|
| Level 1 | Simple statements supported by some knowledge, eg Dosage could be controlled. | (1-2) |
| Level 2 | Developed statements supported by relevant knowledge, eg Lack of control of dosage meant some deaths. Now controlled - less deaths. More chance of success as operation could be lengthened. | (3-4) |

- (c) **Using Sources C and D and your own knowledge explain why keyhole surgery has brought improvements for patients.**

Target: AO2 Comprehension and use of sources.

NB This mark scheme is to be used for both parts of the question.

		8
Level 1	Simple statements, eg Source D shows the advantages - relaxed	(1-3)
Level 2	Developed statements, eg Source C suggests that several improvements including lack of potentially dangerous wound - patient better chance recovering.	(4-6)
Level 3	Developed explanation using the sources and own knowledge. eg As with Level 2 but more explanation improvements and possible link with micro surgery	(7-8)
(d)	In what ways did the understanding of the structure of DNA change medicine in the second half of the twentieth century?	
	Target: AO1 Recall of Knowledge/understanding of change.	

		10
Level 1	Simple statements supported by some knowledge, eg Describes development	(1-3)
Level 2	Developed statements supported by relevant knowledge, eg Level 1 with greater explanation of discovery and advantages	(4-6)
Level 3	Developed explanation supported by selected knowledge , eg explains in detail its advantages for prevention and cure.	(7-8)
Level 4	Sustained argument supported by precisely selected knowledge. eg cf level 3 but includes some of problems associated with DNA - such as genetic modification and engineering.	(9-10)

(Total 25 marks)

C3: The Changing Nature of Warfare in the Twentieth Century.

3. (a) **Write down THREE ways in which the Germany navy threatened Britain during the First World War.**
Target: AO1/AO2 Recall of Knowledge/comprehension of a source.

U boat bases Raid British coast Threats to British navy German mines 3

- (b) **Using Source B, and your own knowledge, give TWO reasons why the British were able to survive the German U-Boat threat of 1917-18.**
Target: AO1/AO2 Recall of knowledge/comprehension of a source.

NB This mark scheme is to be used for both parts of the question. 4

Level 1 Simple statements supported by some knowledge e.g. due to use of Q boats. (1-2)

Level 2 Developed statements supported by relevant knowledge, eg Convoy system and how it protected ships and threatened U boats themselves (3-4)

- (c) **Using Sources C and D and your own knowledge, explain why the Allies won the Battle of the Atlantic during the Second World War.**
Target: AO2 Comprehension and use of sources.

NB This mark scheme is to be used for both parts of the question. 8

Level 1 Simple statements, eg Use of ASDIC (1-3)

Level 2 Developed statements, eg Source C suggests that it was due to the sinking of many of U-boats (4-6)

Level 3 Developed explanation using the sources and own knowledge, eg As with Level 2 but greater explanation use of aircraft and the cracking of the German codes. (7-8)

- (d) In what way did the development of the aircraft carrier change the nature of warfare during the twentieth century?

Target: AO1 Recall of Knowledge/understanding of change.

		10
Level 1	Simple statements supported by some knowledge, eg Describes development of aircraft carrier	(1-3)
Level 2	Developed statements supported by relevant knowledge, eg More detailed description of use of aircraft carrier and its advantages	(4-6)
Level 3	Developed explanation supported by selected knowledge e.g. Explains key changes in naval warfare in the Pacific - 1941-45 - using examples of Pearl Harbor and Midway. Significance in later wars e.g. Gulf.	(7-8)
Level 4	Sustained argument supported by precisely selected knowledge, eg As with level 3 but limits importance in naval terms. Highlights key role of aircraft.	(9-10)
		(Total 25 marks)

C4: The work of the United Nations

4. (a) Write down THREE achievements of UNICEF.

Target: AO1/AO2 Recall of Knowledge/comprehension of a source.

Immunisation. Reduced number child deaths. Reduced child malnutrition. 3

- (b) Using Source B, and your own knowledge, give TWO examples of the influence of the Human Rights Commission.

Target: AO1/AO2 Recall of knowledge/comprehension of a source.

NB This mark scheme is to be used for both parts of the question.

Level 1 Simple statements supported by some knowledge, eg It publicise countries who ignore human rights. 4 (1-2)

Level 2 Developed statements supported by relevant knowledge, eg More on work v apartheid or Pinochet

(3-4)

- (c) **Using Sources C and D explain why the World Health Organisation has improved health standards worldwide.**
Target: AO2 Comprehension and use of sources.

NB This mark scheme is to be used for both parts of the question.

8

Level 1 Simple statements, eg Source D shows inoculation v smallpox

(1-3)

Level 2 Developed statements, eg Source C and attack on contagious diseases and malnutrition

(4-6)

Level 3 Developed explanation using the sources and own knowledge.
eg Level 2 but develops key achievements with examples of case studies

(7-8)

- (d) **Choose any two United Nations peacekeeping forces that you have studied. In what ways have United Nations forces been successful and unsuccessful in their peacekeeping role?**
Target: AO1 Recall of Knowledge/understanding of change.

10

Level 1 Simple statements supported by some knowledge, eg success or failures

(1-3)

Level 2 Developed statements supported by relevant knowledge, eg gives examples of successes or failures

(4-6)

Level 3 Developed explanation supported by selected knowledge of the peacekeeping force with much greater emphasis on change.

(7-8)

Level 4 Sustained argument supported by precisely selected knowledge, eg As with Level 3 but more balanced judgement of impact of UN intervention.

(9-10)

(Total 25 marks)

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