

8.1 Human Population Dynamics

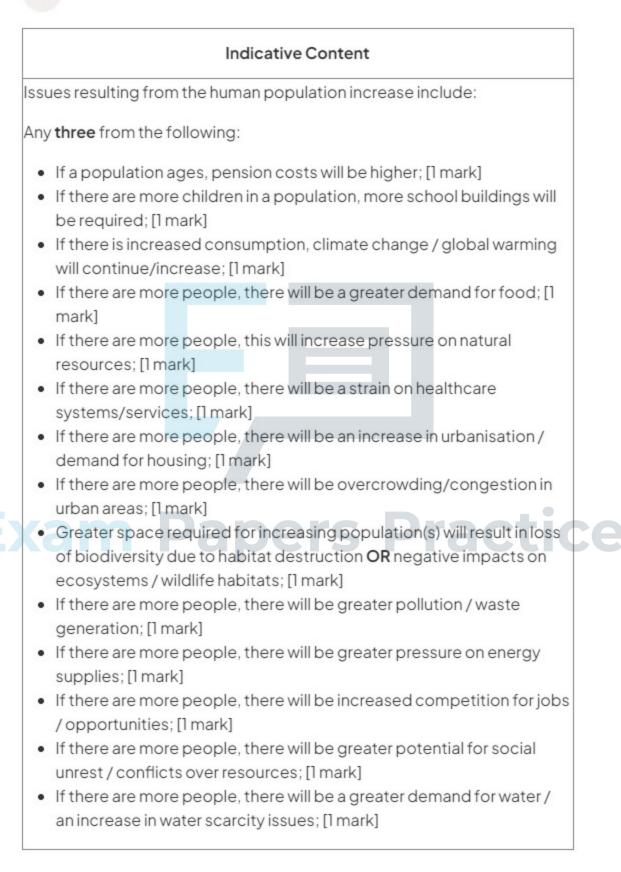
Mark Schemes

Course	SL IB Environmental Systems & Societies (ESS)
Section	8. Human Systems & Resource Use
Торіс	8.1 Human Population Dynamics
Difficulty	Medium

Exam Papers Practice

To be used by all students preparing for SL IB Environmental Systems & Societies (ESS) Students of other boards may also find this useful







Indicative Content	Commentary
i) The percentage of females aged	To complete part (i), first ensure
25-29 in the world in 2017 was:	that you are looking at the correct
• 4(%); [1 mark]	bar on the graph for the age group - use a ruler or a piece of paper to
ii) The predicted percentage	help you
changes in the world population in people aged from 0 to 49 and those aged 50 and over are as follows:	Ensure that you are looking at the correct side of the graph - males are shown on the left and females
 The number of people aged from 	on the right (usually)
0 to 49 will <u>decrease;</u> [] mark]	
 The number of people aged 50 	
and over will <u>increase;</u> [] mark]	

Indicative Content	Commentary
Reasons why the population growth rate in Mexico is expected to decrease between the present day and 2060 could include:	Population growth rate is determined by both the birth rate and the death rate of a county/region
 Maximum of two from the following: Less births / reduction in birth rate, due to; [1 mark] Use of / access to / ability to afford contraception; [1 mark] People more educated about using contraception/family planning; [1 mark] More women will have careers / more women will have greater access to education; [1 mark] 	This means that factors affecting both the birth rate and death rate need to be included in your answer in order to gain full marks for this questions

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Exam Papers Practice

Indicative Content	Commentary
The rate of population growth changes as a country moves from	Identifying the general impacts of changes in birth and death rates
Stage 1 to Stage 4 because:	on population growth would only
Any four from the following:	gain one mark here and needs to be supported with evidence from
 There are changes in birth rate 	the graph
and death rate OR growth occurs when the birth rate is higher than the death rate OR decrease occurs when the death rate is	Your answer needs to state when the growth and decrease of populations occurs
higher than the birth rate; [] mark]	The additional marks are gained by

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 Stage 1 small changes in death 	stating what happens to the birth
rate while birth rate remains the	and death rates in the different
same OR both death rate and	stages of the demographic
birth rate stay the same OR high	transition model shown in the
birth rate and high death rate; [] mark]	figure
 Stage 2 birth rate stays the same but the death rate falls OR birth rate is higher than the death rate; [1 mark] Stage 3 birth rate falls but death rate stays the same; [1 mark] Stage 4 death rate stays the 	To achieve full marks the answer needs to make links between the birth rate and death rate
same but small changes in birth	
rate OR both birth rate and death	
rate stay the same OR low birth	
rate and low death rate; [1 mark]	



Indicative Content	Commentary
Birth rates are still high in many	It is important in this answer to
LEDCs due to:	ensure that the reasons you give
Any four from the following:	are for LEDCs and not MEDCs
 Lack of / don't use / cannot afford contraception; [] mark] 	This can be answered as four separate points
Lack of education about contraception / about problems	Make sure that ideas are not repeated
 of large families / about family planning; [1 mark] Children needed for work / to earn money / for farming / needed to look after elderly (no pensions); [1 mark] 	For example, family planning is included in the same marking point as contraception in the mark scheme so if you include both in your answer you would only gain



