AP[®] HUMAN GEOGRAPHY 2010 SCORING GUIDELINES

Question 3

The population pyramids above represent two countries at different stages of the demographic transition and economic development.

Part A (2 points)

Explain the demographic characteristics of each country above with respect to the demographic transition model.

Country A

- Must mention Stage 2 (second or early expanding stage) AND elaborate briefly about its characteristics, such as high birth rate, falling death rate, youthful population, developing country.
- It is not acceptable to suggest Stages 1 or 3 for Country A.

Country B

- Must mention Stage 4 (fourth, final, or low stationary stage) AND elaborate briefly about its characteristics, such as low birth rate, low death rate, aging population, developed country.
- It is acceptable to mention a possible Stage 5 (fifth stage) for Country B.

Part B (2 points)

Discuss ONE positive impact of EACH country's population structure on its economic development.

<u>Country A</u> (1 point)

- Expanding or large workforce
- Youthful population, which can spark creativity, receptivity to change, etc.
- Less need for immigrant labor
- Less need for elder social safety net (e.g., Social Security)

<u>Country B</u> (1 point)

- Educated (skilled, experienced, etc.) workforce
- Low youth dependency ratio
- More women in the compensated workforce
- Tendency to spend discretionary income on needs other than education
- Might need immigrant labor, which would allow citizens to take higher-order jobs

Part C (2 points)

Discuss ONE negative impact of EACH country's population structure on its economic development.

Country A (1 point)

- High youth dependency ratio
- Strain on resources, the environment or society owing to rapid population growth
- Low literacy rate for women
- Fewer women in the compensated workforce

AP[®] HUMAN GEOGRAPHY 2010 SCORING GUIDELINES

Question 3 (continued)

<u>Country B</u> (1 point)

- High elder dependency ratio
- Possible future labor shortage
- Greater need to fund elder social safety net (e.g., Social Security)

Write in the box the number of the question you are answering on this page as it is designated in the exam.

demographic transition model states that countries go through 3A. The four stages of demographic transition comesponding to economic development. In stage one, both bith rate and death rate are high population the In stage two an remains static an drops, to lowed by three <u>rate</u> death rate a drop N education and women more people gets are More monueree Finally country is relatively a developed both the when death rates population protection me low. and growth about Country A has significantly larger youth population zero compartson to its a older generation ì showing that country is most likely to be in the second stage of demographic transitim in which the death rate the is low rate model and ク high Country ĸ of on the other hand 50 Showma a somewhat aven age distribution, showing 9 relatively static popu Fricrease This is an indication that the country. 40'H <u>likeln</u> of the demographic transition the final stage 1 R which both broth rate and death rate Mode ane low in

3A 103

3

3B .___ pepulation structure may be pereficial to the Country A's country 's economic development as there is an extremely mall gouth percenta older dereration, and the constitute oercentage the pepulation. MS. Ø country youth population , a large beginning. its Malization prices that 1 aral people are entering the means number workford This provides enormous industries <u>în</u> manufacturing Nomic

223 3A Write in the box the number of the question you are answering 3 on this page as it is designated in the exam. opportunities for she country as of tabour abors is large number a Possible source comparative advant structure of country ¥ population <u>ad vantage</u> B that WITH or negative population growth country 70 is going to population which already an developed benefit Trom the work MOST 4 stability Count iS Tertiary sector with per-capita mcome reasing population that an portunities for college gradu society The Las abun resources for the dan health service

3С. A regative impact of country A's population struture that the population getter growing too fast. With rapid Populat 51 growth He constry will be unable allocate its resources Fo the satisty 6 ay citizens resu The country man experience growth s# economit. 61 per capita man Kmain 15 expected Furthermore 1 Cation mame gap a حماكم country will Leavily develop that secondary setor serious environmental problems that may create hinders fatane BB growth Country mpact Structure ß S dependency ratio, <u>Hìmh</u> elderly <u>17</u> Montron an Ø burden 50 13 workforce

3A 30-3 Write in the box the number of the question you are answering on this page as it is designated in the exam. high income tox which lowers real disposable income the inflow of foreign talents which is excertized to now moore high and the convi iary sector ٠. .

Write in the box the number of the question you are answering on this page as it is designated in the exam. $38 1052$
A Country A ju in more of a utage z because of the
high number of children. This means they have
parred rtage I and dircovered the medical
revolution. However the # of Kidrin
disproportionally large compared to the
number of a dulty meaning they have nothit
stage 3 where women are more informed
about contraceptives and are experiencing
female empowerment. Country Bir in either
late stage 3 or early stage 4 because the population
pyramid to relatively even. The women have
experience with contraceptiver and are focuring
on their career vather man -taying at home
and taking come of the kiclr.
B. One poritive impact of country A' population
structure is that when the tide get older
there will be a large humber of people for
the work force and military which will
strengthen the country's economy and military
power. one poritive impact for country B
in that rate of natural increase is pretty level.
but will not reant dropping because of demographic
momentum Mro the dependency ratio is pretty even.
c One negative impact of country A " population
structure is that there are many kill, and if

Write in the box the number of the question you are answer 3 (cont) on this page as it is designated in the exam. there tide decide to have many tide, the population with increars tremendourly, and the country may rupparr it carrying capacity. One negative effect of country Bin population rTructure in the fact that it women continue not having babies the population will teep decreasing. The death rate will par the birth rate and in the future that will affect the workforce and military because there will be very candidates to choose from and lear people to do the job. This will hurt the country in the long run, especially if the girly keep deciding to not have babier. If the country were the united states, with the terr mumber of cundiclater to choose From, and the wrong oner being relected, the commy would experience the rtenestypical things ruch ar the adumb amenican." There will be veripeople to be five men, police officer, reacher, ero which are all-vital to the country in ratety, education, and well being.

Write in the box the number of the question you are answering

on this page as it is designated in the exam.

there M 15 Country а ven population Vour 0-14 H people ang the JN mode mary members not live adulthood into lite_ population late The expecting 15 relatively an. Families same numbers children hra tertility MS Suggesting α From tiny Shittim an agricuttural is country econom manntacturin m 10 Country population econom. the a dispersed 15 mther evenly lite Orgentance mu evidenced ø hiz bu as waer percent 01 adu Hboud 0000 fertility a₩ alive in late beim fairly stable low and which 5Ugge rate swaller This Perget population the 0-14 Tame the 10 Count vell Ī5 time developed service - bast and JN 01 economy R A the Comtry M large amount Vource for children adults and will. allow anich and las agricu Hwal industrial expansion. 20 he labor force unshilled and mos This 15 tectly table Since the Melligent avor 1 Me AN

3

isn-+

Newsary

torce

WORK D factory Countr population TH for fas Fden CLONOW Service there 0 13 of number adult available: workers his make

tor

busic

tarming

or

Write in the box the number of the question you are answering on this page as it is designated in the exam.

Parce experienced work izert an in 187 a~d <u>till</u> retirement children young are livin 1000 anc Hrust into the work beton educations bern TONO receive ALCESSA the labor will Shilld mis continue vill 10 LCONOMZ anorth C Country hey a though A it large anc 9 force expand accessible work MANI [] mot Lesily uneducated UTH conditions. the Inhor current 175 little to revolutionizo will have motive inour lidge nrthe dure lopment 1/1/1) industrics 10000mic po and Since 10m 5/04 mouin ort best people ann livin idia an an aggregate expesience as enough force dissipated This too, agmages dwelopment abor 13 Will +00 come а In Counta 151 Doivit man there when blue-colla bein tilled are 1005 Norness merione riceius Iducation. a avolery tactorils no 11 المد the Storg ØF work NA onl piople must work *a*5 twid. her population 0+ Voinger same had the ĵob parents their 1Ladir to ge-Or anemployment workers rmen Luds To aliscourage

30 2013

pool

development

the

14605

pud

trom

term

IVIN

removal

10n

one

the

Econ ourz

long

5/owl

necessarily

Manu

will

Also,

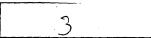
aven =

This

harm

Repark

3C 3of 3



Write in the box the number of the question you are answering on this page as it is designated in the exam.

the economy. In. the towards 4 orhim improvim state Security for Social example, parments are a mussive for The government burden the economy nust which Jeads mone businesses 10 slam and prople economic. Grou . ,

AP[®] HUMAN GEOGRAPHY 2010 SCORING COMMENTARY

Question 3

Overview

The question was designed to enable students to show how well they understood the demographic transition and the implications of a population's demographic characteristics for economic and social conditions and economic change.

Sample: 3A Score: 6

The essay demonstrates a fundamental understanding of the demographic transition and population structures as well as the ties of each to economic development and was awarded full credit. In part A the essay received 1 point for correctly identifying Country A as being in the second stage of the demographic transition by stating that "the death rate is low and birth rate is high." An additional point was earned for indicating that Country B is in the final stage of the demographic transition and noting that "both birth rate and death rate are low." The response merited 2 points in part B for discussing the positive impact of an expanding labor pool by indicating that a large, youthful population translates into a sizable workforce for Country A and for discussing the positive impact of sufficient "job opportunities for college graduates" and "resources" (to use on needs other than education) in Country B. The essay was granted 2 points in part C for correctly discussing the negative impact on the environment created by extensive secondary-sector development in Country A and by alluding to a possible future labor shortage because of a decreased "inflow of foreign talents" necessary to expand the new tertiary sector in Country B.

Sample: 3B Score: 4

The essay received partial credit in part A (1 point), partial credit in part B (1 point) and full credit in part C (2 points). The response earned 1 point in part A for correctly identifying Country A as being in Stage 2 of the demographic transition "because of the high numbers of children." No point was awarded for Country B, as the population pyramid is clearly in Stage 4 (not "late stage 3 or early stage 4"). The essay was granted 1 point in part B for discussing the positive impact of an expanding workforce on the economy of Country A. No additional point was awarded for Country B, as the discussion is not about economic impacts. The essay merited 2 points in part C for correctly discussing the negative impact of having too many children in Country A, which could "surpass its carrying capacity," and for considering the likelihood of a future labor shortage in Country B as a result of having fewer people available for employment.

Sample: 3C Score: 3

The essay received no credit in part A, full credit in part B (2 points) and partial credit in part C (1 point). The response was given no credit in part A because no connections are made between the population pyramids and the demographic transition for either Country A or B. The essay earned 2 points in part B for discussing the positive impact of an expanding workforce owing to the presence of a large labor pool in Country A and for explaining the positive impact on employment of an educated ("intelligent and experienced") workforce in Country B. In part C no credit was granted for Country A because the essay does not discuss negative impacts such as high youth dependency ratios, gender issues or a strain on resources. The response was awarded 1 point for the discussion of the negative impact on Country B's economy of people's "living longer," which creates a high elder dependency ratio.