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.

Country A (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)

Country B (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

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Question 3 (continued)

Country B (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. 3

3A. The demographic transition model states that countries go through
four stages of demographic transition, corresponding to economic
development. In stage one, both birth rate and death rate are high
and population you see remains stated In stage two, that and
three, death rate drops, tollowed by a drop in birth rate as
the people gets more education and women are more empowered.
Finally when the country is relatively a developed, both birth and
death rates one low, and population photos growth falls its
about zero. Country A has significantly larger youth population
in comparison to its a older generation, showing that the country
is most likely to be in the second stage of demographic transition
model, in which the death rate the is low and birth rate is
high country B, of on the other hand, Is pos showing a somewhat
even destribution, showing a relatively static population
with 144e morease This is an indication that the country is
likely to be in the final stage of the dangraphic transition
model in which both birth rate and death rate are low.
$oldsymbol{\cdot}$

38. Country A's population structure may be benefitival to the country is economic development as there is an extremely small percentage of the population, and the grath constitute a large percentage of the population. As the country is probably beginning its industrialization process, a large youth population peans that large number of people are entering the workform many in manufacturing industries. This provides enormous economic.

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

opportunities for the country as large number of tabour labors is a	_
possible source of somparative advantage.	
A possible advantage of population structure of country B	
13 that with zero or negative population growth, the country	
which is already as developed is going to benefit from population	
stability as most a few of the workforce of the country	<u>-</u>
is expected to be in the tertiary sector with high per-capita	
mcome. A stable / decreasing population ensures that where	
are plenty of job opportunities for college graduates and and	
the society has abundant resources for the citizens, for example	_
health service.	_
36. A regative impact of country A's population structure 13	_
that the population is good growing too fast. With rapid popular	
growth, the some country will be mable to allowate its resource	
such to satisfy the comes of all citizens. As a	
result, although the country mute may experience high rate	·
of evenomit growth of GDP per capita may remain low, and	
a vider more gap is expected Furthermore, the indication	
that the country will heavily develop it secondary sector	_
may create serious environmental problems that hinders future	_
as growth.	_

A regative impact of bountry B's population structure is high dependency varior High proportion of elderly and you children is a burden of the working workforce, so so that the country

	3A 3of3
Write in the box the number of the question you are answering on this page as it is designated in the exam.	3
may impose high income for which lowers re- and inhibits the inflow of foreign talents which the country's tertiary sector	al disposable income
and philits the puffer of foreign talents which	is essential to
the convolory's tertiary sector	
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A Gountry A ir in more of a rtage z because of the
high number of children. This means they have
parred utage I and dircovered the medical
revolution. However the # of kide in
disproportionally large compared to the
number of a dult meaning they have nothit
stage 3 where women are more informed
about contraceptiver and are experiencing
female empowerment. Country Bir in either
late rtage 3 or early stage 4 because the population
pyramid ir relatively even. The women have
experience with contraceptiver and are focuring
on their career vather man -taying at home
and taking care of the killy.
B. One poritive impact of country A'+ population
otrueture in that when the kidr get older
there will be a large humber of people for
the work force and military which will
otheresthen 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 reart dropping because of clamographic
momentum. Mro the dependency ratioir pretty even.
c one negative impact of country Air population
structure is that there are many kills, and if

Write in the box the number of the question you are answering on this page as it is designated in the exam.
A M country A, there is a very
sean in the model, not many members of the
in Courtag A 13 relatively law. Families have high
numbers of children, suggesting a high fertility rate. This country is likely shifting from an agricultural economy
to a manufacturing economy. In Country B, the population
is nother evenly disposed. The life appending is much higher as evidenced by a larger percent of the population
being post of alive in late adulthoud. The festility rate is fairly low and stable which is suggested by smaller
the proget population in the 0-14 range. This Country is likely well developed and in a service-based economy.
B) In Company A, the large amount of younger adults and children will allow for quick and easy
agricultural or industrial expansion. The labor force is
large and most like unshilled. This is perfectly acceptable for the time since an intelligent labor
force isn't necessary for basic farming or factory work. In country B, the population is
rumber of adult workers available: This makes

for a intelligent and experienced work force.
People are living till netinement and young children can
receive educations before being thrust into the north force.
This will continue to make to skilled labor necessary for
Lconomiz growth.
[C Country A, although it has a large and
easily accessible work force, will not resily expand
with its current conditions. The uneducated paper
will have little knowledge or motive to revolutionize
The Industries and economic development will be
slow moving of best. Since people areat living lang
enough as an aggregate, the idea of an experienced
labor force is dissipated. This itoo, damages development.
in Country B, there will come a point when too many
"blue-collar" jobs are being filled by highly OVER qualifild
Northers. If uneyone receives a collège education, no
one will work in the growing stores or factories The
population of younger people must note twice as hard to get the same job their parents had, leading to
to get the same job that parents had, lading to
discouraged workers, which leads to unemployment or
removal from the labor pool. This will slowly harm
long-term economic development. Also, many people
one living longer, but they ment necessarily

Write in the box the number of the question you are answering on this page as it is designated in the exam.		
userhim towards improving the star US, for example, social Security perden for the economy. The government businesses more which economic growth.	nort must tax the	
	· · · · · · · · · · · · · · · · · · ·	

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.