
GEOGRAPHY

9696/23

Paper 2 Core Human Geography

October/November 2019

MARK SCHEME

Maximum Mark: 60

Published

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

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This document consists of **15** printed pages.

Generic Marking Principles

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

the specific content of the mark scheme or the generic level descriptors for the question
the specific skills defined in the mark scheme or in the generic level descriptors for the question
the standard of response required by a candidate as exemplified by the standardisation scripts.

GENERIC MARKING PRINCIPLE 2:

Marks awarded are always **whole marks** (not half marks, or other fractions).

GENERIC MARKING PRINCIPLE 3:

Marks must be awarded **positively**:

marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate
marks are awarded when candidates clearly demonstrate what they know and can do
marks are not deducted for errors
marks are not deducted for omissions
answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

GENERIC MARKING PRINCIPLE 4:

Rules must be applied consistently e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

GENERIC MARKING PRINCIPLE 5:

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

Section A

Answer **all** questions in this section. All questions carry 10 marks.

Population

Question	Answer	Marks
1(a)	<p>Fig. 1.1 shows dependency ratios in Thailand, an MIC in Southeast Asia, 1980–2030.</p> <p>Calculate the range in the total dependency ratio shown in Fig. 1.1. Show your working.</p> <p>118 (or 119) – 56 (or 57) = 61, 62 or 63</p> <p>For the correct method (working must use the low value at 2015, not 2030) with inaccurate value(s), 1 mark.</p>	2
1(b)	<p>Compare the trends in the youth dependency ratio and the aged dependency ratio shown in Fig. 1.1.</p> <p>Candidates should offer data from Fig. 1.1 to support the comparison.</p> <p>The youth dependency ratio is decreasing while the aged dependency ratio is increasing, 1 mark.</p> <p>For a comparison of rates, 1 mark.</p> <p>For accurate use of data (numbers, years), up to 2 marks.</p> <p>For separate descriptions without an element of comparison, max. 2.</p>	4
1(c)	<p>Give <u>two</u> socio-economic reasons why the proportion of the youthful population is decreasing in many MICs.</p> <p>Candidates are free to develop their own reasoning. Reference may be made to countries other than Thailand.</p> <p>Relevant socio-economic reasons include:</p> <ul style="list-style-type: none"> economic development influencing personal goals increased costs of raising children increased literacy and education of girls and women increased availability, accessibility and affordability of contraception emigration of young working age to other countries <p>Credit a simple point 1 mark or a point with development (such as detail or exemplar support), up to 2 marks.</p> <p>Do not credit government population policy, which is demographic and political rather than socio-economic.</p>	4

Migration/Settlement dynamics

Question	Answer	Marks
2(a)(i)	<p>Table 2.1 shows the results of a survey about remittances by rural-urban migrants from Abia and Imo, two states in Nigeria, an MIC in West Africa, in 2012.</p> <p>Using Table 2.1: name the state with the higher percentage of rural-urban migrants sending remittances</p> <p>Abia (unit (%) not needed for the mark)</p>	1
2(a)(ii)	<p>Using Table 2.1: calculate <u>X</u>, the missing percentage in the frequency of sending remittances for Imo.</p> <p>44 (unit (%) not needed for the mark)</p>	1
2(b)	<p>Compare the types of remittances sent by migrants from Abia and Imo shown in Table 2.1.</p> <p>Candidates should offer data from Table 2.1 to support the comparison. Comparison comprises similarities and differences.</p> <p>Points of comparison include:</p> <ul style="list-style-type: none"> for each type, percentages are higher in Abia for both states, the order of magnitude is the same money is the most important type of remittance in both states (Abia 83%, Imo 15%) biggest difference between the two is in money (83 v 15 = difference of 68), then cloth smallest difference is in food, which is the lowest of the three types <p>Credit a simple comparison 1 mark and a developed comparison (with detail or data support), up to 2 marks.</p>	3
2(c)	<p>Explain how remittances have positive impacts on rural source areas.</p> <p>Candidates are free to develop their own reasoning. Remittances are used for personal (family) expenditure, not capital infrastructure development such as new roads, hospitals.</p> <p>Key ideas include:</p> <ul style="list-style-type: none"> how money gets used, e.g. for families' health and education, improving houses, for community development food helps survival, improves diet and nutrition cloth improves wellbeing and quality of life (a need, a luxury) maintains relationship of migrants with home/family <p>Credit a simple point 1 mark, and a developed point 2 or 3 marks to the maximum.</p>	5

Settlement dynamics

Question	Answer	Marks
3(a)	<p>Fig. 3.1 shows a hierarchy of world cities in the USA, an HIC in North America, based on connections between service companies.</p> <p>Using Fig. 3.1, name the highest-ranking world city on the west coast.</p> <p>Los Angeles</p>	1
3(b)	<p>Describe the pattern of connections shown in Fig. 3.1.</p> <p>Candidates should offer information from Fig. 3.1 to support the description (connections (lines), names of world cities).</p> <p>Points include:</p> <ul style="list-style-type: none"> main connections between New York City in E and San Francisco and Los Angeles in W (wide lines) fewer and less important N-S connections lighter connections in N of USA, Seattle the least important named world city in terms of connections more world cities and greater pattern of connections in E some medium connections, e.g. Dallas, Miami <p>Credit a sense of pattern; a simple point 1 mark and a developed point 2 marks to the maximum.</p>	4

Question	Answer	Marks														
3(c)	<p>Explain why the location of services within urban settlements is changing.</p> <p>Candidates are free to develop their own explanation. There should be an indication of the location change being explained, e.g. in HIC cities some services moving from CBD/inner city to suburban fringe locations such as business parks. The question asks about locations <u>within</u> urban areas, so explanations involving counter-urbanisation should not be credited.</p> <p>Key ideas include:</p> <table border="1" data-bbox="288 618 1347 1173"> <thead> <tr> <th data-bbox="288 618 810 683">former service location(s)</th> <th data-bbox="810 618 1347 683">new service location(s)</th> </tr> </thead> <tbody> <tr> <td data-bbox="288 683 810 748">traffic congestion, delays</td> <td data-bbox="810 683 1347 748">good, efficient road access</td> </tr> <tr> <td data-bbox="288 748 810 846">high cost (bid rent) and intense spatial competition</td> <td data-bbox="810 748 1347 846">lower costs per unit area</td> </tr> <tr> <td data-bbox="288 846 810 945">lack of space to build/extend and park</td> <td data-bbox="810 846 1347 945">available space, purpose-built units, cluster growth</td> </tr> <tr> <td data-bbox="288 945 810 1043">negative externalities, e.g. crime, safety, air pollution</td> <td data-bbox="810 945 1347 1043">positive externalities, e.g. relative peace, design</td> </tr> <tr> <td data-bbox="288 1043 810 1108">impact of planning decisions</td> <td data-bbox="810 1043 1347 1108">planning/incentives</td> </tr> <tr> <td data-bbox="288 1108 810 1173">long journey to work time</td> <td data-bbox="810 1108 1347 1173">shorter, easier commute</td> </tr> </tbody> </table> <p>Credit a simple point 1 mark and a developed point 2 marks to the maximum.</p>	former service location(s)	new service location(s)	traffic congestion, delays	good, efficient road access	high cost (bid rent) and intense spatial competition	lower costs per unit area	lack of space to build/extend and park	available space, purpose-built units, cluster growth	negative externalities, e.g. crime, safety, air pollution	positive externalities, e.g. relative peace, design	impact of planning decisions	planning/incentives	long journey to work time	shorter, easier commute	5
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Section B

Answer **one** question from this section. All questions carry 30 marks.

Population

Question	Answer	Marks
4(a)(i)	<p>State <u>three</u> causes of high infant mortality rates.</p> <p>Candidates are free to develop their own approach. Any causes in any dimension are acceptable.</p> <p>Relevant causes include:</p> <ul style="list-style-type: none"> social, e.g. lack of maternal education, traditional births, poor maternal diets economic, e.g. impacts of poverty on pregnant and nursing mothers, poor living conditions, cost of doctor/medicines environmental, e.g. extreme heat, drought, pollution political, e.g. impact of conflict on those vulnerable < 1 year <p>Credit each cause max. 1 mark. For an answer without some clear link to infant deaths, max. 2 marks.</p>	3
4(a)(ii)	<p>Explain <u>two</u> effects of high infant mortality rates.</p> <p>Candidates are free to develop their own explanations.</p> <p>Possible answers include:</p> <ul style="list-style-type: none"> high birth rates/continuing high birth rates given the need to ensure the survival of some children by compensating for infant deaths high fertility rate accept government intervention (policy or initiative) to reduce infant mortality rates, e.g. by immunisation emotional/psychological impact of infant deaths on the family other <p>Credit two effects; a simple effect 1 mark and a developed effect (with detail or an example), max. 2 marks.</p>	4

Question	Answer	Marks
4(b)	<p>With the aid of one or more examples, explain why the death rate falls in Stage 2 of the demographic transition model (DTM).</p> <p>Candidates should use examples to help explain why the death rate falls in Stage 2 of the demographic transition model (DTM). A diagram is not required (as the model is descriptive rather than explanatory). The examples are likely to be locations, but could be initiatives and activities, etc. Responses will vary depending on the examples chosen, but credit any valid explanation.</p> <p>The explanation may draw on the following types of factors:</p> <ul style="list-style-type: none"> social, e.g. education, community initiatives, modernisation changing traditional practices, safer working economic, e.g. investment in food production, sanitation, building better houses, healthcare environmental, e.g. reduced pollution, clean water supply political, e.g. development policy, overseas aid <p>Max. 3 marks for a generic answer without examples.</p> <p>Award marks based on the quality of explanation and breadth of the response using the marking levels below.</p> <p>Level 3 (6–8) Response explains thoroughly why the death rate falls in Stage 2 of the DTM in a clear and focussed manner. Response is well founded in detailed knowledge and strong conceptual understanding of the topic. Any examples used are appropriate and integrated effectively into the response.</p> <p>Level 2 (3–5) Response explains one or more reasons why the death rate falls in Stage 2 of the DTM. Response develops on a largely secure base of knowledge and understanding. Examples may lack detail or development.</p> <p>Level 1 (1–2) Response comprises one or more points about death rates which may not be carefully focussed on why they fall in Stage 2 of the DTM. Knowledge is basic and understanding may be inaccurate. Examples are in name only or lacking entirely.</p> <p>Level 0 (0) No creditable response.</p>	8

Question	Answer	Marks
4(c)	<p>‘Food shortages can always be overcome.’ With the aid of examples, how far do you agree?</p> <p>Candidates are free to develop their own approach to the question and responses will vary depending on the approach chosen. Whichever approach is chosen, essays which address the question and support their argument with relevant examples will be credited. There may be detailed consideration of a case study/one or more examples, or a broadly conceived response, drawing on several examples to illustrate the factors involved.</p> <p>The causes of food shortages may be explored to determine what can be overcome and what cannot (in some circumstances or generally). For example, better distribution of food (the Marxian argument) may be achievable in many places. However, extreme weather, hazardous events, conflict, instability and the sheer number of mouths to feed may make food shortages continue. Candidates may use examples of food shortages, malnutrition, hunger and famine to support and progress the assessment.</p> <p>Award marks based on the quality of the response using the marking levels below.</p> <p>Level 4 (12–15) Response thoroughly discusses the extent of agreement with the view that food shortages can always be overcome in a clear and well developed evaluation. Response is well founded in detailed knowledge and strong conceptual understanding of the topic.</p> <p>Level 3 (8–11) Response discusses the extent of agreement with the view that food shortages can always be overcome and offers an overall evaluation but may be unbalanced. Examples may lack detail or development. Response develops on a largely secure base of knowledge and understanding.</p> <p>Level 2 (4–7) Response shows general knowledge and understanding of food shortages with limited focus on the extent of agreement with the idea that they can always be overcome. Response is mainly descriptive or explanatory with limited use of examples and understanding of the topic may be partial or inaccurate. Some concluding remarks. General responses without the use of example(s) will not get above the middle of Level 2 (6 marks).</p> <p>Level 1 (1–3) Response may broadly discuss food shortages but does not address the question and does not come to a convincing conclusion. Response is descriptive, knowledge is basic and understanding is poor.</p> <p>Level 0 (0) No creditable response.</p>	15

Migration

Question	Answer	Marks						
5(a)(i)	<p data-bbox="288 315 1318 349">Give the meaning of the term <i>international forced (involuntary) migration</i>.</p> <p data-bbox="288 383 767 416">A full definition covers each element.</p> <table border="1" data-bbox="288 450 1313 622"> <tr> <td data-bbox="288 450 608 483"><i>international</i></td> <td data-bbox="608 450 1313 483">between countries/across national borders (1)</td> </tr> <tr> <td data-bbox="288 483 608 584"><i>forced (involuntary)</i></td> <td data-bbox="608 483 1313 584">compelled, e.g. by political instability or conflict, by hazardous event, by catastrophe, e.g. famine, not through choice (1)</td> </tr> <tr> <td data-bbox="288 584 608 622"><i>migration</i></td> <td data-bbox="608 584 1313 622">population movement for one year or more (1)</td> </tr> </table>	<i>international</i>	between countries/across national borders (1)	<i>forced (involuntary)</i>	compelled, e.g. by political instability or conflict, by hazardous event, by catastrophe, e.g. famine, not through choice (1)	<i>migration</i>	population movement for one year or more (1)	3
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<i>migration</i>	population movement for one year or more (1)							
5(a)(ii)	<p data-bbox="288 658 1299 752">With the aid of one or more examples, describe <u>one</u> positive impact and <u>one</u> negative impact of forced (involuntary) migration on the migrants themselves.</p> <p data-bbox="288 792 1342 887">Positive impacts could include physical safety, an end to fear, access to housing, food, safe water supply, etc. Possible eventual economic gain if moving from MIC/LIC to HIC.</p> <p data-bbox="288 927 1334 1021">Negative impacts could include loss of contact with family and friends, trauma, loss of home and belongings, economic loss (jobs, savings), culture shock or stress, alien culture in destination area, language difficulties, hazardous journey.</p> <p data-bbox="288 1061 1331 1155">Credit one positive impact and one negative impact. For a simple description of an impact 1 mark and for a developed description of an impact with use of an example 2 marks.</p>	4						

Question	Answer	Marks
5(b)	<p>Describe the character, scale and pattern of <u>one</u> international migration stream.</p> <p>This requires a focussed response from candidates using their case study, selecting content about character, scale and pattern only.</p> <p>For character, candidates may include whether it was voluntary or forced (involuntary), who the migrants were (e.g. aged groups, gender), when it happened, how they travelled, etc.</p> <p>For scale, candidates may include numbers (must be reasonably accurate) of migrants, timescale, spatial scale (distance), and source areas and receiving/destination areas.</p> <p>For pattern, this could be through a process such as chain migration or stepped migration or relate to spatial pattern or temporal pattern. As such, the three elements – character, scale and pattern – overlap.</p> <p>Max. 3 marks for a generic answer without example(s).</p> <p>Award marks based on the quality of explanation and breadth of the response using the marking levels below.</p> <p>Level 3 (6–8) Response describes the character, scale and pattern of the chosen international migration stream in a clear and focussed manner. Response is well founded in detailed knowledge and strong conceptual understanding of the topic. Any examples used are appropriate and integrated effectively into the response.</p> <p>Level 2 (3–5) Response describes the character, scale and pattern of the chosen international migration stream. Response may be unbalanced or limited through focussing on one factor or is broad and lacks depth. Response develops on a largely secure base of knowledge and understanding. Examples may lack detail or development.</p> <p>Level 1 (1–2) Response comprises one or more points about international migration which may not be focussed on the question set. Knowledge is basic and understanding may be inaccurate. Examples are in name only or lacking entirely.</p> <p>Level 0 (0) No creditable response.</p>	8

Question	Answer	Marks
5(c)	<p>With the aid of examples, assess the extent to which pull factors cause international economic migration.</p> <p>Candidates are free to develop their own approach to the question and responses will vary depending on the approach chosen. Whichever approach is chosen, essays which address the question and support their argument with relevant examples will be credited. There may be detailed consideration of a case study/one or more examples, or a broadly conceived response, drawing on several examples to illustrate the factors involved.</p> <p>It is likely that candidates will consider the complexity of migration: decision-making and the interaction of push factors and pull factors, and maybe the influence of facilitating factors such as money, transport networks, information, media, etc.</p> <p>Candidates may differentiate migrations in which push factors were dominant, such as for economic survival following the loss of employment, etc. from those in which pull factors were dominant, such as high wages, the prospect of promotion, incentives, etc.</p> <p>Award marks based on the quality of the response using the marking levels below.</p> <p>Level 4 (12–15) Response thoroughly discusses the extent to which pull factors cause international economic migration in a clear and well developed assessment of both pull factors and push factors. Response is well founded in detailed knowledge and strong conceptual understanding of the topic.</p> <p>Level 3 (8–11) Response discusses international economic migration and offers an assessment of the extent to which it is caused by pull factors but may be unbalanced. Examples may lack detail or development. Response develops on a largely secure base of knowledge and understanding.</p> <p>Level 2 (4–7) Response shows general knowledge and understanding of international migration with limited focus on the question (specifically economic migration and/or pull factors). Response is mainly descriptive or explanatory with limited use of examples and understanding of the topic may be partial or inaccurate. Some concluding remarks. General responses without the use of example(s) will not get above the middle of Level 2 (6 marks).</p> <p>Level 1 (1–3) Response may broadly discuss migration but does not address the question and does not come to a convincing conclusion. Response is descriptive, knowledge is basic and understanding is poor.</p> <p>Level 0 (0) No creditable response.</p>	15

Migrant/Settlement dynamics

Question	Answer	Marks
6(a)(i)	<p>With the aid of an example, give the meaning of the term <i>re-urbanisation</i>.</p> <p>The movement/migration of residents/population/people (1).</p> <p>Back into, or towards the centres of, cities (centripetal/inwards) (1).</p> <p>The example may be actual, e.g. from the Marne valley into Paris, from a Cheshire village into Salford Quays, Manchester; or generic, e.g. from a commuter village to a new development of loft apartments near the CBD (1).</p>	3
6(a)(ii)	<p>Explain <u>two</u> reasons why re-urbanisation occurs.</p> <p>Reasons may include:</p> <ul style="list-style-type: none"> avoiding time taken and cost of commuting/to be nearer work access to vibrant life of inner urban area, e.g. bars, restaurants, culture, entertainment access to good transport, e.g. rail, bus, tram, metro attractive modern housing developments in inner urban area loss of rural idyll or idealism about village life life cycle, e.g. single professionals, after raising children <p>Credit two relevant reasons: a simple reason 1 mark and a developed reason, with detail, depth or the use of an example, 2 marks to the maximum.</p> <p>For a response about the inward movement or relocation of activities rather than residential population, generic credit, max. 2.</p>	4

Question	Answer	Marks
6(b)	<p>Explain why functional zonation develops in urban areas.</p> <p>Candidates will develop their own explanation. Reference to the classic land-use models, which are not in the syllabus and which are descriptive, not explanatory, is not expected.</p> <p>The explanation could include some of the following:</p> <ul style="list-style-type: none"> bid-rent and spatial competition the advantages of clustering, e.g. high threshold shops near the PLVI in the CBD; lawyers' offices; manufacturing companies in an industrial zone; elite residential groups; shanty town residents/squatters urban planning access to transport historical forces determining later urban growth physical, e.g. terrain, drainage <p>Max. 3 marks for a generic answer without exemplar content.</p> <p>Award marks based on the quality of explanation and breadth of the response using the marking levels below.</p> <p>Level 3 (6–8) Response explains why functional zonation develops in urban areas in a clear and focussed manner. Response is well founded in detailed knowledge and strong conceptual understanding of the topic. Any examples used are appropriate and integrated effectively into the response.</p> <p>Level 2 (3–5) Response explains why functional zonation develops in urban areas in a limited way. Response develops on a largely secure base of knowledge and understanding. Examples may lack detail or development.</p> <p>Level 1 (1–2) Response comprises one or more points about urban areas which may not be focussed on why functional zonation occurs. Knowledge is basic and understanding may be inaccurate. Examples are in name only or lacking entirely.</p> <p>Level 0 (0) No creditable response.</p>	8

Question	Answer	Marks
6(c)	<p>‘It is their large scale that makes it difficult to manage urban settlements.’ With the aid of one or more examples, how far do you agree?’</p> <p>Candidates are free to develop their own approach to the question and responses will vary depending on the approach chosen. Whichever approach is chosen, essays which address the question and support their argument with relevant examples will be credited. There may be detailed consideration of a case study/one or more examples, or a broadly conceived response, drawing on several examples to illustrate the factors involved. Scale includes population and physical extent.</p> <p>Candidates may agree and provide supporting evidence of scale and argument; disagree and propose one or more other factors, such as finance; or provide an assessment of the relative importance of large scale and other factors. Syllabus content that may be used includes urban growth, world cities and the two management case studies.</p> <p>Award marks based on the quality of the response using the marking levels below.</p> <p>Level 4 (12–15) Response thoroughly discusses the extent to which it is their large scale that makes it difficult to manage urban settlements in a clear and well developed assessment. Response is well founded in detailed knowledge and strong conceptual understanding of the topic.</p> <p>Level 3 (8–11) Response discusses how it is their large scale that makes it difficult to manage urban settlements and offers an assessment of extent but may be unbalanced. Examples may lack detail or development. Response develops on a largely secure base of knowledge and understanding.</p> <p>Level 2 (4–7) Response shows general knowledge and understanding of large scale urban settlements with limited focus on the question of management. Response is mainly descriptive or explanatory with limited use of examples and understanding of the topic may be partial or inaccurate. Some concluding remarks. General responses without the use of example(s) will not get above the middle of Level 2 (6 marks).</p> <p>Level 1 (1–3) Response may broadly discuss difficulties in urban settlements but does not address the question and does not come to a convincing conclusion. Response is descriptive, knowledge is basic and understanding is poor.</p> <p>Level 0 (0) No creditable response.</p>	15