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Draw a cross through the box (X) if you have NOT written in this booklet

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Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Level 2 Geography 2024

91243 Apply geography concepts and skills to demonstrate understanding of a given environment

Credits: Four

Achievement	Achievement with Merit	Achievement with Excellence
Apply geography concepts and skills to demonstrate understanding of a given environment.	Apply geography concepts and skills with precision to demonstrate in-depth understanding of a given environment.	Apply geography concepts and skills with precision to demonstrate comprehensive understanding of a given environment.

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should attempt ALL parts of the question in this booklet.

Pull out Resource Booklet 91243R from the centre of this booklet.

If you need more room for any answer, use the extra space provided at the back of this booklet.

Check that this booklet has pages 2–8 in the correct order and that none of these pages is blank.

Do not write in the margins (/////). This area will be cut off when the booklet is marked.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

Excellence

TOTAL 08

INSTRUCTIONS

Read the resource booklet about Stratford, London, before answering the question in this booklet.

Completing parts (a) and (b) using the related resources should enable you to gain an understanding of Stratford, London. In part (c), you are required to explain the change in the environment of Stratford, and how this affects its social, economic, and environmental sustainability.

QUESTION

(a) Refer to the Figure 2 and 3 maps of Stratford, London (pages 4 and 5 of the resource booklet).

(i) In the frame opposite, complete a précis map showing features of Stratford, London. Accurately locate and label the following features:

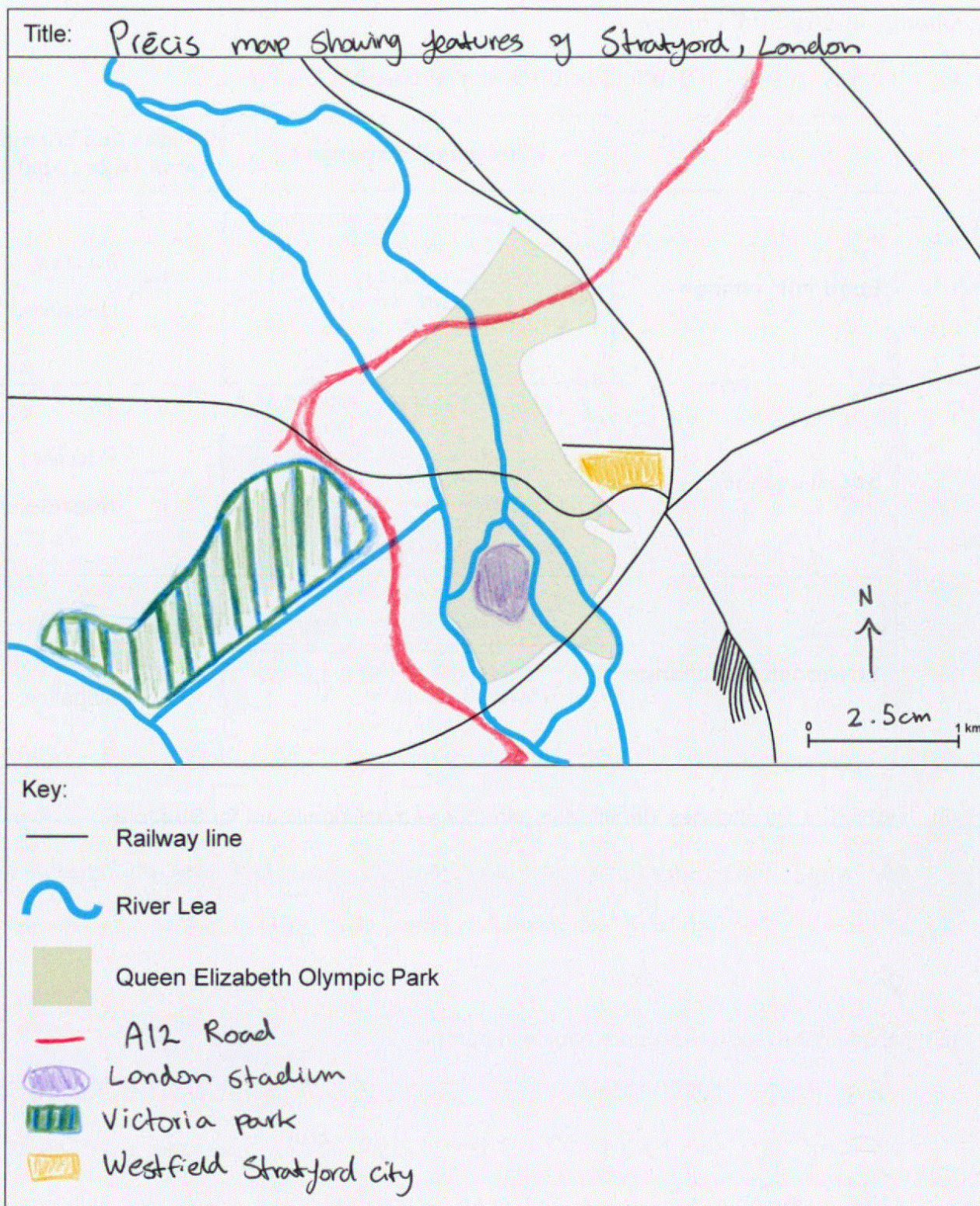
- Westfield Stratford City
- London Stadium
- the A12 road
- Victoria Park.

(ii) Provide your map with a title. Use appropriate symbols and key, and include the north arrow.

(iii) **Key features of Stratford, London**

Using specific information, describe the key natural and cultural features of Stratford and the surrounding area that made it a suitable location for the development of the Olympic village.

Stratford, located North East of Greater London, includes many natural features including approximately 7 parks along with river Lea being spread out across the area. This makes Stratford an appealing environment to tourists and the Olympics along with the cultural features such as the railway, nearby Homerton University hospital, London Stadium, and London aquatic centre. Being these both natural and cultural features aren't too clustered together, makes it suitable location to develop the Olympic village which can also benefit the economic environment of nearby businesses. Much of the industrial features can be used for the Olympic village to support Stayers and Competitors.



(b) Change in Stratford, London

(i) Identify changes in Stratford before and after the 2012 Olympics.

	What was the change?	Was this change positive or negative?
Economic change	The development of Olympic village regenerated Stratford, introduced 2,818 affordable homes. Resulted in an increase in population and increase in new businesses = more money. More job opportunities	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative
Social change	Children in Stratford compared to 1960s are now outperforming average education levels. Low income families decreased. More diversity and population, people are happier because of higher income and higher social + people more activities concentration	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative
Environmental change	Sustainable construction resulted in 50% reduction in carbon emissions. Biodiverse landscaping, sustainable draining = better for natural environment. Increased recycling = less waste and sustainable energy landfill	<input checked="" type="checkbox"/> Positive <input type="checkbox"/> Negative

(ii) Which of the changes identified in part (i) was most significant for Stratford?

The most significant change identified in Stratford was the economic change due to the desperate need for regeneration to an area that had been deindustrialised.

(iii) Explain the reasons for your choice in part (ii).

Prior to the 2012 Olympics in Stratford, the area was declining when the city deindustrialised. This meant in the 1980s ^{onward,} unemployment rates were high and children were underperforming in school as not enough money was being put towards jobs and education. The development of the Olympic village ^{after 2012} in Stratford enabled 46,000 new jobs, 20,000 new homes, along with more money towards education and health care. The positive change of the economic environment was crucial to ~~the~~ enable the area to positively develop and gain more population therefore continuing to support economic benefits. Because of the Olympics, East London welcomed more new businesses than anywhere else in the city.

- (iv) Describe a pattern seen in Figure 9 (page 9 of the resource booklet), the graph showing the percentage of children living in low-income families.

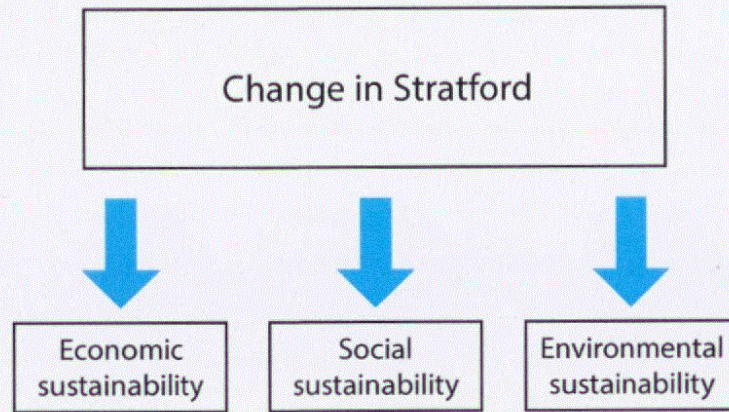
There is a clear linear decreasing pattern of children in Newham living in low income families after the beginning of construction^{in 2006} for the olympics. However both Newham and England overall have a spike/anomaly in 2013 - 2015. Newham spikes from approximately 28% to 35%^{in 2014} where England spikes from 20% to about 25% in 2014. However from 2014 to 2015 England and Newham both decrease and then both begin to gradually increase after 2015. From this graph Newham has a clear pattern of steadily decreasing % of children in low-income families while England remains to stay at around 20% until it spikes.

(c) **Sustainability in the urban environment**

How have social, environmental, and economic sustainability been affected by changes in the environment of Stratford, London, since the Olympic development?

In your answer, refer to and integrate information from:

- resources in the resource booklet
- at least ONE geographic concept.



The process of regenerating Stratford resulted in various changes to the economic, social, and natural environments since the Olympic development. Stratford was originally a rural area which then developed during the industrial revolution. However it fell into a decline after the city deindustrialised and by the 1960s, ~~leading to~~ a significant loss of jobs, low health, a damaged and neglected environment, along with people being forced to live on hills with landfill. ~~The beginning of the Olympic site development in 2006~~ After the development of the Olympic site and games in 2012, a positive change occurred in the natural environment of Stratford. Due to having to build from scratch, this meant there was more opportunity to sustainably design infrastructure that will benefit the natural environment. Stratford previously had been subject to significant waste but with this balanced approach, waste management was increased through recycling resulting in reduced landfill waste and reduced the need for new materials. ~~Damage~~ Sustainable drainage systems, waste-water recycling + rainwater harvesting, biodiverse landscaping along with the production of efficient energy through a plant of combined cooling, heat, power 2-3 million cubic meters of contaminated soil cleared,

(CCHP), are the ways the Olympic development lead to sustainable changes in the environment. The change to the Stratford environment by the Olympics in 2012 also positively benefitted the economic environment. This created 46,000 new jobs, 20,000 new homes, much of which were affordable, along with an increased production of new businesses greater than anywhere else in the city. Creating more economic opportunities set up the environment to be economically sustainable as healthcare and education was improved resulting in a decrease of children in low income families and an increase in children's education performance. The interaction of this is that further generations will become more qualified being able to continue and support the economic environment. The family income per year (GDP) increased to 28,900 in 2010 in the Olympic area whereas London overall is 37,000 ~~showing that~~ ^{about} ~~the~~ ~~to~~ ~~3~~ ~~quarters~~ along with the population density per hectare in 2010 being 68.8% whereas London overall is 47.3%. This shows how much of a change occurred to Stratford when comparing to prior the Olympics when the industry had moved outwards. The social change is that there is an increase in population and tourists creating a ~~social~~ sustainable social environment where viewpoint 3 holds the perspective that it has created a place where kids and others can enjoy activities feeling safe. Along with the cultural factor of the Olympics creates a positive social reputation and introduced parks, shopping centres, dining places, ~~more~~ gives it a new social perspective of being a desirable place to enjoy socially. However the change in the environment from the Olympics holds both positive and negative social perspectives. The use of gentrification in the area relocated over 350 businesses that people weren't ready to give up. Along with displacing people from

Extra space if required.

Write the question number(s) if applicable.

QUESTION
NUMBER

C Their homes whom can still not afford the new apartments. The regeneration of the area can be viewed as necessary but also question the use of sacrifice to the peoples homes and jobs who previously lived there creating both a positive and negative perspective. However overall, the social environment has become sustainable as there is more opportunities for people and families making it enjoyable. Overall, the change in the Stratford environment created mainly positive changes to the natural, economic, and social environments as they all interact with each other furthermore supporting the overall sustainability of the area. Due to costs being effectively used towards the natural environment and power, the economic environment is able to thrive along with increased business, and therefore increases the social sustainability as education is increased and healthcare making the environment better for the people.

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Excellence

Subject: Geography

Standard: 91243

Total score: 08

Grade score	Marker commentary
E8	In part (a), the précis map is well presented, with only a minor inaccuracy in the shape of Victoria Park. The title, key, and North arrow are clearly displayed. Key features are thoroughly described, explicitly identified as natural and cultural, and supported with specific evidence. In part (b), changes are not only identified but also explained with precise evidence, and patterns are comprehensively described. All aspects of sustainability – economic, environmental, and social – are analysed in depth, demonstrating insight and effectively integrating specific evidence throughout.