

Commentary on candidate evidence

The candidate evidence has achieved the following marks for each question of this course assessment component (question paper).

Candidate 1

Question 1

The candidate was awarded **18/20 marks** for question 1.

Question 1a

The candidate was awarded **3/3 marks**.

- ◆ The candidate was awarded **1 mark** as the size of the site is correct.
- ◆ The candidate was awarded **2 marks** as the site has gentle slopes and good access from the A12.

Question 1b

The candidate was awarded **8/8 marks**.

(i)

- ◆ The candidate is awarded **1 mark** as they have stated that the main road provides easy access for building.
- ◆ The candidate is awarded **1 mark** as they have stated that the ground is flat which will save money as no flattening needed.
- ◆ The candidate is awarded **1 mark** as they have stated that there are no large hills to the south, therefore there is no blocking of the sun.

(ii)

- ◆ The candidate was awarded **1 mark** for 'Job opportunities ... in the construction of the solar farm' (economic).
- ◆ The candidate was awarded **1 mark** for 'boosting the economy' (economic).
- ◆ The candidate was awarded **1 mark** for 'people going on walks might be annoyed at the disruption...' (social).
- ◆ The candidate was awarded **1 mark** for '...disturb their animals, especially in pregnancy.' (economic).
- ◆ The candidate was awarded **1 mark** for '...may become congested with workers and building lorries, which could disrupt locals...' (social).
- ◆ No marks were awarded for comments regarding the disruption of wildlife or digging up ground, as these are environmental impacts.

Question 1c

The candidate was awarded **3/4 marks**.

- ◆ The candidate was awarded **1 mark** for '...undisrupted sections of grass where small animals such as insects can live'.
- ◆ The candidate was awarded **1 mark** for 'The 30cm gap between the fence base + ground allows small animals to pass under'.
- ◆ The candidate was awarded **1 mark** for '...natural shrubs could be planted...'

Question 1d

The candidate was awarded **4/5 marks**.

- ◆ The candidate was awarded **1 mark** for 'Steeper relief such as the 40m peak ... more exposed to winds and often too steep to use farm equipment...'
- ◆ The candidate was awarded **1 mark** for linking July temperatures to growing fruit.
- ◆ The candidate was awarded **1 mark** for linking annual precipitation to crops not being flooded.
- ◆ The candidate was awarded **1 mark** for linking brown earth soils to worms.

Question 2

The candidate was awarded **10/10 marks** for question 2.

Question 2a

The candidate was awarded **5/5 marks**.

(i)

- ◆ The candidate was awarded **1 mark** for correctly identifying the use of RICEPOTS classification for buildings.
- ◆ The candidate was awarded **1 mark** for '...walk around and the area and colour in each building, on the base map, with the type of building it is'.

(ii)

- ◆ The candidate was awarded **1 mark** for stating that the RICEPOTS classification is subjective making classification difficult (**1 mark**), with buildings being judged to be in different categories by different people.
- ◆ The candidate was awarded **1 mark** for '...buildings which have 2 or 3 different uses ...potentially on different floors'.
- ◆ The candidate stated that 'snapshot in time and therefore the data gathered will go out of date very quickly.' and would have achieved a mark however, they have already reached the maximum marks available.

Question 2b

The candidate was awarded **5/5 marks**.

- ◆ The candidate was awarded **1 mark** for ‘...systematically along transect line’.
- ◆ The candidate is awarded **1 mark** for stating that the Environmental Quality Survey (EQS) rates areas between 1 – 5.
- ◆ The candidate was awarded **1 mark** for ‘This could be repeated at different seasons, months...’
- ◆ The candidate was awarded **1 mark** for the suggestion of a phone app to gauge noise.
- ◆ The candidate was awarded **1 mark** for ‘...see how the noise levels change as you move away from the centre of the CBD’.

Question 3

The candidate was awarded **15/20 marks** for question 3.

Question 3a

The candidate was awarded **4/7 marks**.

(i)

- ◆ The candidate was awarded **1 mark** for ‘...steep relief and therefore have less inhabitants ... school could perhaps not be needed’.
- ◆ The candidate was awarded **1 mark** for ‘...you can easily work out the distance between schools’.

(ii)

- ◆ The candidate was awarded **1 mark** for stating that more populated areas would need more schools but with smaller catchment areas.
- ◆ The candidate was awarded **1 mark** for stating that there are less people living at River Parramatta as it is harder to get to or perhaps more dangerous.

Question 3b

The candidate was awarded **6/7 marks**.

(i)

- ◆ The candidate was awarded **1 mark** for ‘95% certainty’.
- ◆ The candidate was awarded **1 mark** for ‘36 primary school locations were used meaning the result is well above the range of random matching’.
- ◆ The candidate was awarded **1 mark** for ‘element of regularity’.

(ii)

- ◆ The candidate was awarded **1 mark** for ‘Nearest neighbour analysis is effective here as it is used to measure distributions (random, regular, clustered)’.
- ◆ The candidate was awarded **1 mark** for ‘recommended number to achieve accurate and reliable results’ compared with data set.

- ◆ The candidate was awarded **1 mark** for 'not precise if there is more than 1 cluster'.

Question 3c (i)

The candidate was awarded **3/3 marks**.

Diagram 5

- ◆ The candidate was awarded **1 mark** for identifying '5.5%'.
- ◆ The candidate was awarded **1 mark** for 'Each of the schools affiliations also saw a significant increase'.
- ◆ The candidate correctly stated '9.5%' and would have been awarded a mark however, the maximum marks for either diagram has already been reached.

Diagram 4

- ◆ The candidate was awarded **1 mark** for correctly stating '2.8%'.
- ◆ The candidate correctly stated '0.3%' and would have been awarded a mark however, full marks have already been achieved.

Question 3c (ii)

The candidate was awarded **2/3 marks**.

- ◆ The candidate was awarded **1 mark** for 'enrolments could go up the y axis and the years could go along the x axis, with each of the different schools stacked on top of each other'.
- ◆ The candidate was awarded **1 mark** for 'colour coded according to a key'.