Unit 3: "*Regional Resources*"
SAC#1

Question Booklet

Materials

- Question/Answer Booklet

The Task

Length of Task: 100 minutes (over 2 class periods)
Part A – 25 marks (50 minutes)
Part B – 25 marks (50 minutes)
Total: /**50 marks**

Instructions

- ANSWER **ALL** QUESTIONS
- Write answers in spaces provided
- Note the suggested amount of time for each question
- Answers can be in point form
- All responses should be in English
- Use Spatial Concepts and a variety of geographic techniques

PART A

Question 1 (suggested time 4 minutes)

a) Classify water as a resource. ***(1 mark)***

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b) Justify your classification above***.*** ***(1 mark)***

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Question 2 (suggested time 14 minutes)

a) Complete the map of the Murray-Darling Basin in the space below including the following features: Name 4 major rivers, 1 major storage reservoir, 3 major towns, rainfall regions and regions likelihood of drought. ***(7 marks)***

Insert outline map of Murray-Darling Basin.

b) Describe the geographic characteristics of the Murray-Darling Basin including any spatial associations evident from your map in part a. (Suggested time 10 minutes) ***(5 marks)***

Question 3

Using the graph below (Fig.1) compare the natural flow of the Murray River with its regulated flow. (Suggested time 8 minutes)

(4 marks)

Figure 1.

Insert a graph to show natural flow and regulated flow.

An example is in

Kleeman, G et al. 2000, *A Geography of Global Interactions* (p.164). Heinemann, Port Melbourne. The source of this graph is N Mackay and D Eastman, The Murray-Darling Basin Commission, Canberra, 1990.

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Question 4 (Suggested time 8 minutes)

On the map below locate the following uses of water that are in conflict relating to the Murray-Darling basin.

- Rice growing regions
- Ramsar recognised wetlands
- Citrus growing irrigation regions
- Large scale domestic water use

(4 marks)

Insert outline map of Murray-Darling Basin.

Question 5

Explain the term ‘Environmental Flow’ and outline why they are difficult to implement in the Murray-Darling Basin. (Suggested time 6 minutes)

(3 marks)

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END OF PART A

Part B

Question 6

a) Complete the table below outlining factors affecting patterns of water use within the Murray-Darling Basin.
(Suggested time 12 minutes)

(6 marks)

Factors	Description	Rank
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	• •	
	• •	
	• •	
	• •	
	• •	

b) Rank the factors above in order of importance and then justify your ranking. (Suggested time 8 minutes)

(4 marks)

Question 7

a) Outline a policy for the future sustainable use of the Murray-Darling Basin. Use specific examples to support your response. (Suggested time 8 minutes) ***(4 marks)***

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b) How may the policy outlined above reduce conflict in this region? (Suggested time 4 minutes)

(2 marks)

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c) Outline two strategies at a local scale that can enhance the future sustainability of the Murray-Darling Basin. Support your response with sketch diagrams for at least one example.
(Suggested time 8 minutes) ***(4 marks)***

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Question 8

Assess the liklihood of the future sustainability of the Murray-Darling Basin in both the short and long term. Make reference to specific factors, regions and management policies/structures in your response.
(Suggested time 10 minutes)

(5 marks)

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END OF PART B

Marking Sheet

Name:

Question	Criteria	Marks
1a 1b	Correct Classification Clear accurate justification	1 mark 1 mark **Total** **/ 2**
2a 2b	Locates 4 major rivers correctly (1/2 mark each). Maps rainfall region accurately. Maps drought liklihood regions accurately. Maps 3 major towns accurately (1/2 mark each) Locates 1 major storage reservoirs accurately. (1/2 mark) Follows BOLTSS correctly. Describes general location. Mentions some statistics (quantification) about basin. Mentions some major landscape features. Correctly identifies Spatial Association.	2 marks 1 mark 1 mark 1 1/2 marks 1/2 mark 1 mark **Total** **/ 7** 1 mark 2 marks 1 mark 1 mark **Total** **/ 5**
3	Describes, in detail, both patterns with quantification of figures. Describe, in detail, differences with quantification of figures.	2 marks 2 marks **Total** **/ 4**
4	Correctly locates the four features (1 mark each) and completes map following BOLTSS (must have BOLTSS to get full marks)	**Total** **/ 4**
5	Correctly defines ‘Environmental Flow’. Lists 2 correct difficulties with implementation.	1 mark 2 marks **Total** **/ 3**
6a 6b	½ mark for each correct dot point for SHEEPT factors. Ranks all factors. Justifies highest and lowest. Explains why some more important than	6 marks 1 mark 2 marks 1 mark **Total**

	others.	**/10**
7a 7b	Introduces policy (Living Murray). Mentions Barmah-Milewa and includes term Ecological Asset. Outlines vision of policy. Outlines objectives of policy. Correctly identifies two conflicts in water use.	1 mark 1 mark 1 mark 1 mark **Total** **/4** 2 marks **Total** **/2**
7c	Correctly identifies two local scale strategies. Use of diagrams.	2 marks 2 marks **Total** **/4**
8	Introduces examples of policies and defines sustainable. Liklihood of Social, Economic and Environmental sustainability. Mentions short and long term liklihood. Use of spatial concepts.	1 mark 2 marks 1 mark 1 mark **Total** **/5**

Total /50