

Name: \_\_\_\_\_

Class: \_\_\_\_\_

Teacher: \_\_\_\_\_

## Menai High School



# Oceans Alive

## Year 9 Yearly Examination 2009

### Instructions to Students:

1. Read all questions carefully.
2. Write your name, class and teacher's name in the spaces above and on the next page.
3. Write answers to multiple choice questions in the grid below and all other answers in the spaces provided.
4. Do not remove the Multiple Choice Answer Sheet from the Exam Booklet.
5. Time allowed: 40 minutes

### Part A - Multiple Choice Answers

Circle or shade in the letter of the correct answer.

1 

A	B	C	D
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6 

A	B	C	D
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2 

A	B	C	D
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7 

A	B	C	D
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3 

A	B	C	D
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8 

A	B	C	D
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4 

A	B	C	D
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9 

A	B	C	D
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5 

A	B	C	D
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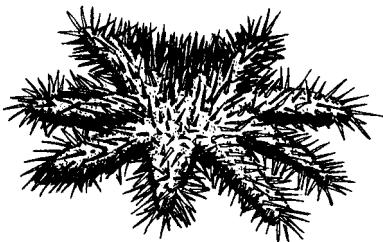
10 

A	B	C	D
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## Part A Multiple Choice Questions

1. When fishing, terminal tackle includes
  - A. a knife to terminate the fish
  - B. a fishing warehouse to buy tackle
  - C. hooks, sinkers, swivels
  - D. rod holder and tackle bag
2. All recreational fishing people
  - A. must have a fishing licence
  - B. can keep any fish they catch as long as they have a licence
  - C. can sell their catch if the catch too much
  - D. must have a fishing licence if they are over sixteen
3. Marine creatures have adaptations to ensure they:
  - A. catch prey for food
  - B. avoid being caught by predators
  - C. are able to reproduce
  - D. all of the above
4. A feature possessed by all echinoderms(eg starfish and sea urchins) is:
  - A. tube feet
  - B. tentacles with sucking discs
  - C. no feet but soft bodies inside shells
  - D. tentacles with stinging cells
5. Crustaceans from the sea include -
  - A. shrimp, lobster, squid and barnacles
  - B. lobster, crab, turtle and oysters
  - C. crab, lobster, starfish and sea urchins
  - D. prawns, lobsters, crabs and crayfish

6.



The creature shown above belongs to a group of marine organisms called:

- A. gastropods
- B. echinoderms
- C. cephalopods
- D. cnidarians

7. Adaptations that assist all fish to live in the marine environment include
- A. fins, scales and teeth
  - B. schooling, speed and colour
  - C. scales, fins and a streamlined body
  - D. tail ,blowhole and lateral line
8. Great white sharks are said to be at the top of the food chain because
- A. they are so big
  - B. they have big teeth
  - C. they have no predators
  - D. they eat both plants and animals
9. A fishing rod is used to
- A. cast the bait to the desired location
  - B. hold the reel so your hands don't get tired
  - C. protect the line from damage
  - D. stop the fish from seeing where you are standing
10. A lure is
- A. a special type of reel
  - B. a small bait fish
  - C. a camouflaged hook
  - D. an artificial imitation of a bait designed to fool a fish

**Part B Free Response Questions**

11. Study the picture below and answer the questions that follow.



- a) Identify a structural adaptation of this creature and explain how it assists it to survive. /2

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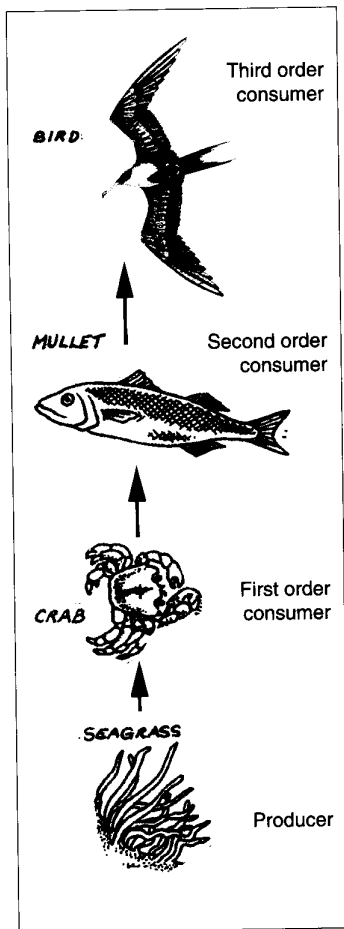
b) By looking at all the features of this creature, predict a behavioural adaptation and explain how this would help it to survive. /2

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12. Study the picture below and answer the questions that follow.



a) What does the diagram show? /1

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b) Explain the meaning of the arrows by referring to an example in the diagram. /2

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c) Identify two possible effects on the ecosystem if the population of mullet was destroyed by an introduced parasite. /2

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d) Explain the function of producer organisms in an ecosystem. /1

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13. Identify three adaptations of an octopus and explain how each assists its survival. /6

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14. a) Explain the difference between *commensalism* and *mutualism* when describing relationships between organisms. Include an example of each in your explanation. /4

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b) Describe the roles of the clownfish and the anemone in their relationship. /2

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15. a) Explain what is meant by maximum and minimum size limits for recreational fishing people /2

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b) Explain what is meant by a bag limit for recreational fishing people and why it varies for different fish /2

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16. Describe two differences between a side cast reel and an eggbeater /4

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17. Use the diagram below to answer the following questions.

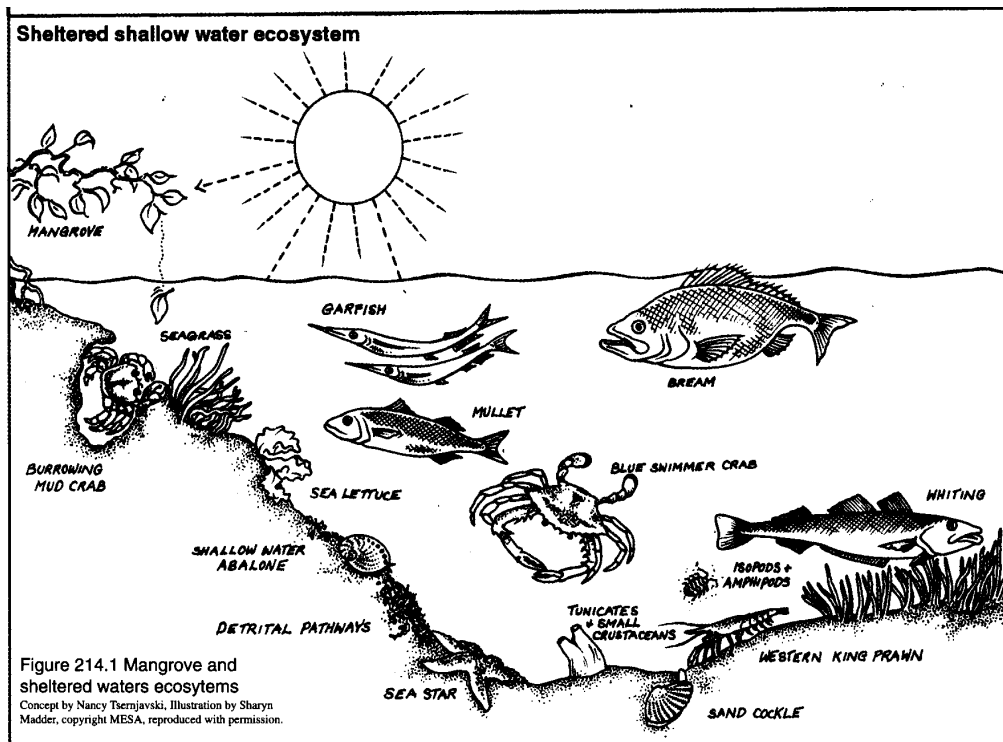


Figure 214.1 Mangrove and sheltered waters ecosystems  
 Concept by Nancy Ternjanski, Illustration by Sharyn Madder, copyright MESA, reproduced with permission.

a) From the diagram identify:

/5

i) a crustacean

\_\_\_\_\_

ii) an echinoderm

\_\_\_\_\_

iii) a mollusc

\_\_\_\_\_

iv) a vertebrate

\_\_\_\_\_

v) a producer organism

\_\_\_\_\_

b) Describe one way in which human activity could damage or destroy this marine ecosystem.

/2

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\_\_\_\_\_