

UNIVERSITY OF RUHUNA

BACHELOR OF SCIENCE IN FISHERIES AND MARINE SCIENCES DEGREE
 BACHELOR OF SCIENCE IN MARINE AND FRESHWATER SCIENCES DEGREE

Level I Semester I Examination– August/September 2018

FDN 1131 – Snorkeling and Life Saving (Theory)



For Examiner's use only		
Structured Essay	Essay	Total
50%	50%	%

Time: 1hour

Answer all questions in Part I and only one question from Part II

Part I – Structured Essay (30 min)

Write your answers in the space provided for each question. Please note that the space provided is sufficient for your answer and extensive answers are not expected.

- 1) List five wave types occur in the ocean? (5*2)

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- 2) Survival in a deep water emergency will depend on the ability of the individual to use survival knowledge, judgment skills and fitness to cope with the situation. What are the other five considerations should a swimmer in a survival situation be aware of? (5*2)

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- 3) List two methods of maintaining body heat when exposed to cold water. (5*2)

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4) What are the two outcomes of drowning? (5*2)

5) Place the correct sequence number (01 to 10) of the steps followed by a lifeguard in a rescue operation in the blank column of the following table (10*2)

	Approach rapidly, keeping victim in sight and calm
	Provides emergency care as needed
	Recognizes an emergency in the water
	Uses rescue equipment
	Moves the victim to safety
	Removes the victim from the water
	Safely enters the water, if needed
	Assesses the victim's condition
	Activates the EAP (Emergency Action Plan)
	Performs an appropriate rescue

6) List two factors you consider, when selecting an appropriate rescue stroke? (2*2.5)

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7) When is the side stroke/free style becomes a useful swimming technique? (5)

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8) List three types of entries in snorkeling/diving? (3*5)

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9) List two marine creatures cause stinging wounds? (2 *2.5)

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10) Describe basic steps you take if you found the victim has been stung by a marine creature? (5*2)

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Part II – Essay (30 min)

Answer **only one** question

1. (a) Discuss the importance of buddy group swimming? (30 marks)
(b) Describe the model ethics and precautionary measures you take in order to minimize the environment damage when you engage snorkeling and scuba diving for a study. (70 marks)

2. (a) Explain how do you rescue and administer Cardiopulmonary Resuscitation (CPR) for a man, who gets caught in a rip current? (50 marks)
(b) Explain the safety swimming instructions for the persons who cannot swim? (50 marks)

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