

King Saud University
Collage of Applied Medical Science
Rehabilitation Department

RHS 327
2nd Mid-term Exam
18/4/2012
9-10 AM

Student name:

Student number:

GOOD LUCK, and remember you have the power of
knowledge.

Course instructor: Mai A. Aldera.

A) **Multiple choice:**

(4 marks)

1. Which of the following is not a local thermotherapy effect:

- a) Increase pulse rate
- b) Decrease muscle spasm
- c) Vasodilatation
- d) Increase capillary permeability

1. For therapeutic purpose, the duration of heat application is:

- a) From 10–20 min.
- b) From 20–30 min
- c) From 30–40 min
- d) From 5–10 min

1. Spray stretch technique is recommended for:

- a) Acute stiff neck.
- b) Sub acute stiff neck
- c) Chronic stiff neck
- d) Rheumatoid arthritis

1. Temperature at 40 degree is considered to make:

- a) Therapeutic heating
- b) Mild heating
- c) Have no effect
- d) Tissue damage

1. One of the following cases is not indication for cryotherapy:

- a) Acute injury
- b) Swelling
- c) Rheumatoid condition
- d) Inflammation

1. For therapeutic purpose, the duration of cold application is:

- a) From 10–20 min.
- b) From 20–30 min
- c) From 30–40 min
- d) From 5–10 min

1. Contrast bath is a technique recommended for:

- a) Acute inflammation
- b) Rehabilitation after joint replacement
- c) Chronic injuries
- d) Sub-acute injuries

1. Cryokinetics is referred to:

- a) Technique use cold application and stretch
- b) Technique use cold application and exercise
- c) Technique use heat application and stretch
- d) Technique use heat application and exercise

B) Short answer:

(3 marks)

1. What are the factors that effects on the magnitude of thermal physiology?

2. If physiotherapist apply hot pack on the pelvic area for more than one hour. In this case what are the reflex effects ?

3. What is the hunting response?

c) Essay question:

(3 marks)

What are the mechanism of thermal transfer to the human body? Support your answer by example?