

3. Muscle is consisted of two types of fibers; regular contractile units called extrafusal fibers and special fibers important for **regulation** of the tension of the muscle.

3.1 Name the type of these special fibers. **(5 marks)**

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3.2 Name one type of sensory endings on these special fibres. **(10 marks)**

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3.3 Name one type of motor efferents for these special fibres. **(10 marks)**

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3.4. Give one example of,

3.4.1 Monosynaptic reflex . **(10 marks)**

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3.4.2 Polysynaptic reflex- **(10 marks)**

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3.5 Name the place where afferent impulses originate and efferent impulses terminate in these examples above. **(20 marks)**

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3.1 Name the type of these special fibres

(2 marks)

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3.2 Name one type of sensory endings on these special fibres

3.6 What are the differences between dull pain and sharp pain? (20 marks)

(10 marks)

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3.7 What is the clinical importance of referred pain? (15marks)

(15 marks)

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