63114

First B.P.Th. (2012) Examination, Summer 2017
FUNDAMENTALSS OF KINESiOLOGY AND KiNESIOTHERAPY

Total Duration : Section A ± B = 3 Hours Total Marks : 80

SECTION - A & SECTION - B

Instructions : *1) Use **blue/black** ball point pen only.*

*2) **Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.*

*3) **All** questions are **compulsory.***

*4) The number to the **right** indicates **full** marks.*

*5) Draw diagrams **wherever** necessary.*

6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake. the distribution has been done.

*7) **Use** a common answerbook for **all** Sections.*

SECTION - A **SAQ (50 Marks)**

1. Short answer question **(any five** out of six) : **(5x3=15)**

a) Center of gravity

b) Bhujangasana

c) Shoulder Wheel

d) Cool down exercises

e) Indication and contraindication to massage

f) Universal goniometer.

2. Short answer question **(any five** out of six) **(5x7=35)**

a) Friction and its application in physiotherapy

b) Group exercises

c) Passive movements- Definition, principles, effects and uses

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d) Principles of Hydrotherapy

e) Anatomical lever

f) Ranges of muscle work.

SECTION — B **LAQ (30 Marks)**

3. Long answer question **(any one** out of two) : (1 **xl 5=15)**

a) Define and classify massage. Describe any one type of manipulation in detail with their effects and uses. **(5+6+4)**

b) Describe fundamental standing position with its muscle work and effects and uses. **(5+7+3)**

4. Long answer question **(any one** out of two) **(1 x15=15)**

a) Classify suspension therapy. Mention different accessories used in suspension therapy. Write its effects and uses. (4+4+7)

b) Describe Axes and planes in detail with examples. Define angle of pull, moment arm of a force and their importance. **(6+9)**