Rajiv Gandhi University of Health Sciences

First Year B.Sc. (Physiotherapy) Degree Examination

me: 3 Hours]

[Max. Marks: 100]

ANATOMY
(OS, RS & RS2)

QP Code: 2151

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

G ESSAY (ANSWER ANY FOUR) **4 X 10 = 40 Marks**

1. Describe the origin, course and distribution of facial nerve.
2. Describe in detail the hip joint.
3. Describe the origin insertion action and nerve supply of deltoid muscle. Name the structures under cover of it.
4. Describe the bronchopulmonary segments in detail with a note on its applied anatomy.
5. Describe the characteristics of a typical rib.

RT ESSAY (ANSWER ANY EIGHT) **8 X 5 = 40 Marks**

1. Corpus luteum
2. Spermatic cord
3. Locking and unlocking of knee
4. Popliteal fossa
5. Dorsalis pedis artery
6. Movements of shoulder girdle
7. Ansa cervicalis
8. Ramus of mandible
9. Ureter
10. Coronary arteries

T ANSWERS **10 X 2 = 20 Marks**

1. ame four branches of abdominal aorta
2. lame the carpal bones
3. lame the functions of cerebellum
4. oot drop
5. tructures passing through foramen magnum
6. lood supply of spinal cord
7. ayers of scalp
8. arts and normal position of uterus
9. unctions of spleen
10. me the nerves related to humerus

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First Year B.P.T Degree Examination

[Max. Marks: 80]

ne: 3 Hours]

PSYCHOLOGY & SOCIOLOGY

(OS, RS & RS2)

ur answer shall be specific to question asked. Draw neat and labelled diagrams wherever necessary.

Use separate answer books for section A and section B.

QP Code: 2155 - Section A - PSYCHOLOGY [40 Marks]

1 x 10 = 10 Marks

G ESSAY (ANSWER ANY ONE)

1. Explain different methods of psychology
2. Define learning. Explain instrumental conditioning

4 x 5 = 20 Marks

RT ESSAY (ANSWER ANY FOUR)

3. Explain need for self actualization
4. Factors affecting personality
5. Define thinking. Explain concepts
6. Explain conflicts
7. Explain errors of perception

5 x 2 = 10 Marks

ORT ANSWERS

8. Introspection
9. Sensation and perception
10. Observation method
11. Motive and drives
12. Emotion

QP Code: 2156 - Section B - SOCIOLOGY [40 Marks]

Use separate answer book

1 x 10 = 10 Marks

NG ESSAY (ANSWER ANY ONE)

1. Measures taken to prevent juvenile delinquency
2. Define social group and explain its features

4 x 5 = 20 Marks

HORT ESSAY (ANSWER ANY FOUR)

3. Measures taken to prevent poverty
4. Causes of unemployment
5. Explain rights of Indian women
6. Types of beggars
7. Health hazards of alcoholism

5 x 2 = 10 Marks

HORT ANSWERS

8. Questionnaire method
9. Social factor
10. Joint family
11. Formal group
12. Social conformity

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First Year B.P.T Degree Examination

[Time: 3 Hours] [Max. Marks: 80]

MEDICAL ELECTRONICS AND COMPUTER APPLICATIONS

(OS, RS & RS2)

QP Code: 2154

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY (ANSWER ANY TWO) **2 X 10 = 20 Marks**

1. Give the classification of amplifiers and explain the functioning of RC coupled amplifier.
2. Define electric shock. Describe the effects, treatment and prevention of shock.
3. Explain different parts of computer with neat block diagram.

SHORT ESSAY (ANSWER ANY EIGHT) **8 X 5 = 40 Marks**

4. Write a note on printers
5. Explain the terms – Frequency, Amplitude and Phase of a sine wave
6. What are the uses of LASERS in physiotherapy?
7. What precautions to be taken to avoid electric shock?
8. Write a note on computer 'virus'
9. Explain the role of computers in CT scanners
10. Explain any one method of analog to digital converter
11. Differentiate between RAM and ROM and give their applications
12. Write note on Wheatstone's bridge
13. Give five principles of programming

SHORT ANSWERS **10 X 2 = 20 Marks**

14. What is an opto coupler?
15. What is meant by inductothermy?
16. What is nerve conduction velocity?
17. How are transducers classified?
18. What is data processing?
19. What is a register? Mention two types of registers
20. Explain any two input devices
21. Define Operating System
22. What is latent heat?
23. What is potential difference?

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