(18) 2711_2008_2_S103

Rajiv Gandhi University of Health Sciences, Karnataka

Second year B.P.T. Degree Examination - Sept / Oct 2008

Time: Three Hours **Max. Marks: 100 Marks**

EXERCISE THERAPY

(RS-3 & RS-4)

Q.P. CODE: 2711

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

LONG ESSAYS (Answer any Two) **2 x 10 = 20 Marks**

1. Write about measurement of limb length. What are the different types of crutch gait? Enumerate each type with neat diagrams
2. What is the biomechanical basis of mobilization? Write in detail about principles and techniques of mobilization of upper limb
3. Describe in detail about suspension therapy

SHORT ESSAYS (Answer any Twelve) **12 x 5 = 60 Marks**

4. Write in brief about Jacobson's relaxation technique
5. Explain the principles and aims of MMT. Enumerate MMT for shoulder flexors and elbow extensors
6. What are the tests for sensation?
7. Explain evaluation of activities of daily living
8. Illustrate open and closed chain exercises
9. What are the principles of PNF?
10. Explain kneading manipulation
11. What are the merits and demerits of hydrotherapy?
12. Write in brief about history and classification of massage
13. What are the principles of postural re-education?
14. What are the principles of asanas?
15. Write in brief about balance re-training
16. What are the physiological responses to aerobic exercise?
17. Write about Frenkels exercises for upper limb



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

18. Explain BRIME
19. What is slow reversal?
20. Give four examples of tests for co-ordination
21. Explain any two mat activities
22. Write about the technique of iliopsoas stretching
23. Write any four indications for massage
24. What is a good posture?
25. What is Delormes technique?
26. Define Inco-ordination
27. Write two bio mechanical components of balance

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2712_2008_2_S102

Rajiv Gandhi University of Health Sciences, Karnataka

Second year B.P.T. Degree Examination - Sept / Oct 2008

Max. Marks: 100 Marks

me: Three Hours

ELECTROTHERAPY

(Revised Scheme – 3)

Q.P. CODE: 2712

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

NG ESSAYS (Answer any Two) **2 x 10 = 20 Marks**

1. What is the frequency, wavelength of shortwave diathermy? Explain its production through circuit diagram and mentions the indications for the same
2. Define LASER. Explain its principles of production and dosage of LASER
3. Define pain. Describe the physiology of pain and how TENS helps in the modulation of pain

HORT ESSAYS (Answer any Twelve) **12 x 5 = 60 Marks**

4. Explain in brief about the characteristics of charged body
5. Define electric shock? What are the types of electric shock and write briefly about its prevention
6. Briefly explain about various theories of pain
7. Explain therapeutic uses of whirlpool path
8. Discuss about high voltage galvanic stimulation (HVPGS) parameters and its uses
9. What is contrast bath? Explain its therapeutic uses
10. What is biofeedback? Explain its therapeutic uses
11. Briefly explain the types of UVR generators
12. Physiological and therapeutic effects of galvanic current
13. What is hyperhydrosis? Explain the treatment of the same with iontophoresis
14. If E_1 of the patient is 25 sec. at a distance of 100 mm, calculate the E_3 at 100 mm
15. Explain the effects of stimulation on denervated muscle
16. Explain various methods of application of application of wax
17. Explain about action potential

HORT ANSWERS **10 x 2 = 20 Marks**

18. What is accommodation?
19. What is micro current?
20. What is low frequency current?
21. Define sinusoidal current
22. Reobase and chronaxie
23. What is cyclotherm?
24. Duty cycle
25. Motor point
26. Define Ohm's law
27. Mutual induction

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(20) 2158_2008_1_S01

Rajiv Gandhi University of Health Sciences, Karnataka

Second year B.Sc. (Physiotherapy) Degree Examination – March / April 2008

Max. Marks: 80 Marks

e: Three Hours

PHARMACOLOGY
(OS, RS & RS2)

Q.P. CODE: 2158

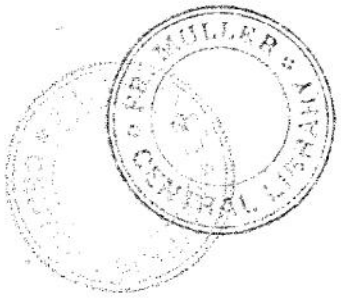
Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

NG ESSAYS (Answer any Two) **2 x 10 = 20 Marks**

1. Classify antidiabetic drugs. Mention the mechanism of action and adverse effects of any one group
2. Enumerate Antiepileptics. Mention the mechanism of action, adverse effects and therapeutic uses of Phenytoin Sodium
3. Enumerate antimalarial drugs. Write the mechanism of action, adverse effects and therapeutic uses of chloroquine

ORT ESSAYS (Answer any Eight) **8 x 5 = 40 Marks**

4. Advantages and disadvantages of intravenous route
5. Complications of spinal anesthesia
6. Mebendazole
7. Extended spectrum penicillius
8. Mechanism of action and adverse effects of Isoniazid
9. Toxic effects of Digoxin
10. Calcium channel blockers
11. Chlorpromazine
12. Cephalosporins
13. Insulin



HORT ANSWERS **10 x 2 = 20 Marks**

14. Glucocorticoids are beneficial in bronchial asthma. How?
15. Multi drug regimen is prescribed in leprosy. Why?
16. Rationale for use of nitrates in cyanide poisoning
17. Propranolol is contraindicated in Bronchial asthma
18. Probenecid is combined with Penicillins why?
19. Phenobarbitone reduces the efficacy of oral contraceptives
20. Doxycyline is preferred to tetracycline in patients with renal insufficiency
21. Antitubercular drugs are always used in combination
22. What is clonazepam? Mention two uses of this drug
23. Name two drugs used as I.V. anesthetics

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2159 2008

Rajiv Gandhi University of Health Sciences, Karnataka

Second year B.P.T Degree Examination – March / April 2008

Time: Three Hours

Max. Marks: 80 Mar

PATHOLOGY & MICROBIOLOGY
(OS, RS & RS2)

Q.P. CODE: 2159 & 2160

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

Use separate answer books for section A and section B

Q.P. Code: 2159 – Section 'A' Pathology (40 Marks)

LONG ESSAYS (Answer any One) — 1 x 10 = 10 Ma

1. Define necrosis. What are the types of necrosis? Write briefly about coagulation necrosis
2. Describe the process of wound healing. List the factors that affect wound healing

SHORT ESSAYS (Answer any Four) — 4 x 5 = 20 Ma

3. Diabetes Mellitus
4. Hypertrophy
5. Osteomyelitis
6. Pneumonia
7. Rickets

SHORT ANSWERS — 5 x 2 = 10 Ma

8. Fate of thrombus
9. Dry gangrene
10. Sequestrum
11. Transudate
12. Ghon's complex

Q.P. Code: 2160 – Section 'B' Microbiology (40 Marks)

Use separate answer book

LONG ESSAYS (Answer any One) — 1 x 10 = 10 M

1. Describe the morphology and laboratory diagnosis of Staphylococcus
2. Draw a neat diagram of bacterial cell. Add a note on capsule

SHORT ESSAYS (Answer any Four) — 4 x 5 = 20 M

3. Blood culture
4. Hot air oven
5. AIDS
6. Poliovirus
7. Dermatophytes

SHORT ANSWERS — 5 x 2 = 10 M

8. Enumerate 4 bacteria causing fever
9. Name 4 non-motile organisms
10. Hanging drop
11. Name 4 methods of sterilization.
12. MacConkey media

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