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1701_2006_1_502

Rajiv Gandhi University of Health Sciences, Karnataka

First Year B.Sc Nursing (PC) Degree Examination Apr-06

Time: Three Hours Max Marks: 80 Marks

GENERAL AND EDUCATIONAL PSYCHOLOGY

(Revised Scheme)

QP Code: 1701

Your answers should be specific to the Questions asked.
Draw neat labeled diagrams whenever necessary.

LONG ESSAYS: 2 X 10 = 20 MARKS

1. Define Psychology. Discuss the methods used in psychology to study behaviour.
2. Co-relate the influence of heredity and environment on the development of an individual.
3. How frustration and conflict causes stress. Discuss the role of a nurse in stress management.

SHORT ESSAYS: 8 X 5 = 40 MARKS

4. Discuss the uses of psychology in the field of nursing.
5. Explain the factors influencing creativity.
6. Examine the development of attributes.
7. Define perception. What are the errors in perception?
8. Describe the types of attention.
9. Explain the role of emotion in causing illness.
10. What do you mean by sensory disorder? How these disorders affect personality.
11. Explain the role of autonomic nervous system in emotion.

SHORT ANSWERS: 10 X 2 = 20 MARKS

12. Physiological motives.
13. Mental age.
14. Problem solving method.
15. Individual differences in behaviour.
16. Twins.
17. Concepts.
18. Memory.
19. Fluctuation of attention.
20. Insightful learning.
21. List the laws of learning.

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FR. MULLER MEDICAL LIBRARY

Rajiv Gandhi University of Health Sciences, Karnataka
First Year B.Sc. Nursing [PC] Degree Examination Apr-06

Time: Three Hours | Max Marks: 80 Marks

SOCIOLOGY
(Revised Scheme)
QP Code: 1702

Your answers should be specific to the Questions asked.
Draw neat labeled diagrams whenever necessary.

LONG ESSAYS: (Any Two) — 2 X 10 = 20 MARKS

1. Describe the problems of family in India.
2. Describe the nature and scope of sociology in India.
3. Point out the role of nurse in the solution of family problem.

SHORT ESSAYS: (Any Eight) — 8 X 5 = 40 MARKS

4. Nature of culture.
5. Changing trends of caste system in India.
6. Role of conflict in social life.
7. Social status of women in the modern family.
8. Factors influencing disintegration of Joint Family.
9. Changes in Indian rural life.
10. Explain basic elements of community,
11. Factors favoring and hindering assimilation.
12. Crowd behaviour.
13. Theories of origin of caste system.

SHORT ANSWERS: — 10 X 2 = 20 MARKS

14. Auguste comte.
15. Meaning of Root words of Sociology.
16. Social physiology.
17. Associative process.
18. Organic Isolation.
19. C.H. Cooley.
20. Fraternal – polyandry.
21. Litigation.
22. Homelessness.
23. Positive mores.

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1703_2006_1_S01

Rajiv Gandhi University of Health Sciences, Karnataka
First Year B.Sc. Nursing (PC) Degree Examination Apr-06

Time: Three Hours | Max Marks: 80 Marks

GROWTH AND DEVELOPMENT INCLUDING REPRODUCTIVE AND CHILD HEALTH

(Revised Scheme)

QP Code: 1703

Your answers should be specific to the Questions asked.
Draw neat labeled diagrams whenever necessary.

LONG ESSAYS: 2 X 10 = 20 MARKS

1. Explain the growth and development of foetus.
2. Describe the principles of growth and development
3. Describe the behavioural problems of one to three years (1-3yrs) old children.

SHORT ESSAYS: 8 X 5 = 40 MARKS

4. Milestones of infant development.
5. Modern concept of childcare.
6. Preparation of women for safe labour.
7. Physiological changes during puerperium
8. Minor disorders of newborn.
9. Care of premature baby.
10. Health problems of schooler.
11. Changes during puberty
12. Health problems of adolescence.
13. Aims of antenatal care.

SHORT ANSWERS: 10 X 2 = 20 MARKS

14. High-risk neonates.
15. Anthropometric measurements.
16. Geriatrics.
17. Separation Anxiety.
18. Nutritional deficiency.
19. Supplementary feeding.
20. Mid day meal programme.
21. Diagnosis of pregnancy.
22. Large for dates babies.
23. Child abuse.

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FR. MULLER CENTRAL LIBRARY

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1704_2006_

Rajiv Gandhi University of Health Sciences, Karnataka

First Year B.Sc. Nursing (PC) Degree Examination, April 06

Time: Three Hours | Maximum Marks: 80 Marks

MICROBIOLOGY

(Revised Scheme2)

QP Code – 1704

Your answer shall be specific to the questions asked.
Draw neat and labeled diagrams wherever necessary.

Long Essays: (Any Two) [2 x 10 = 20 Marks]

1. Draw a labeled typical bacterial cell, and add a note on cell – wall.
2. Write morphology, cultural charactors and laboratory diagnosis of streptococcus pneumoniae.
3. Define and classify sterilization, add a note on bacterial filters.

Short Essays: (Any Eight) [8 x 5 = 40 Marks]

4. Enteric fever.
5. Urinary tract infection.
6. Bacterial Growth curve.
7. Type IV Hypersensitivity.
8. Passive immunity.
9. Draw roundworm ova.
10. Blood culture.
11. Zielh Neelsen stain.
12. Laboratory diagnosis of Bacterial Meningitis.
13. Hepatitis B virus.

Short Answers: [10 x 2 = 20 Marks]

14. Name tow spore forming bacilli.
15. List the diseases cased by candida albilans.
16. Name four contributions of Robert koch.
17. Name two spirochetial diseases.
18. B.C.G. Vaccine.
19. Define hypersensitivity.
20. Name four enriched media.
21. Name two viral vaccines.
22. Name two methods of pasteurization.
23. Enumerate toxine produced by staphylocous

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1705_2006_1_S02

Rajiv Gandhi University of Health Sciences, Karnataka

First Year B.Sc. Nursing (PC) Degree Examination, April 06

Time: Three Hours | Maximum Marks: 80 Marks

ANATOMY & PHYSIOLOGY

QP Code – 1705/1706

Your answer shall be specific to the questions asked.
Draw neat and labeled diagrams wherever necessary.

QP Code – 1705 Section A (ANATOMY) (40 Marks)

Long Essays: (Any One) [1 x 10 = 10 Marks]

1. Name the different parts of Male genital organs & describe the testis.
2. Describe the abdominal aorta and its branches.

Short Essays: (Any Four) [4 x 5 = 20 Marks]

3. Ovary.
4. Mandible.
5. Triceps muscle.
6. Mediastinum.
7. Urethra.

Short Answers: [5 x 2 = 10 Marks]

8. Name the parts of the uterus.
9. Name the 3 parts of small intestine.
10. Name any four muscles attached to humerus.
11. Name any four branches of the brachial artery.
12. Name any 4 divisions of the vertebral column.

QP Code – 1706 Section B (PHYSIOLOGY) WRITE this section in a separate booklet (40 Marks)

Long Essays: (Any One) [1 x 10 = 10 Marks]

13. Describe the respiratory centers. Discuss chemical regulation of respiration.
14. Define cardiac output. Give its normal value. Explain the mechanism of regulation of cardiac output.

Short Essays: (Any Four) [4 x 5 = 20 Marks]

15. Name the hormones secreted by thyroid gland. Explain any two physiological functions of the hormones.
16. What is the basis for blood grouping? What is the importance of blood grouping?
17. Explain the composition of pancreatic juice. List their functions.
18. Draw a labeled diagram of chemical synapse. List the changes that occur when an impulse passes through the synapse.
19. Describe a sarcomere with the help of a labeled diagram.

Short Answers: [5 x 2 = 10 Marks]

20. What is the normal body temperature? How is fever produced?
21. Name any four physiologically active substances absorbed by the kidney.
22. Mention the primary taste sensations.
23. What are the functions of a). Lysosomes and b). Endoplasmic reticulum.
24. List the hormones acting on the breat.

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1707_2006_1_302

Rajiv Gandhi University of Health Sciences, Karnataka

First Year B.Sc. Nursing [PC] Degree Examination Apr-06

Time: Three Hours Max Marks: 80 Marks

CONCEPTS & COMPONENTS OF NURSING

(Revised Scheme)

QP Code: 1707

Your answers should be specific to the Questions asked.
Draw neat labeled diagrams whenever necessary.

LONG ESSAYS: (Any Two) 2 X 10 = 20 MARKS

1. Write the sequential steps and relevant scientific principles involved in intra muscular injections.
2. Define problem-solving process. List the steps in problem solving process and explain any one step in detail.
3. a. What is communication?
   b. Explain the theories of Communication.

SHORT ESSAYS: (Any Eight) 8 X 5 = 40 MARKS

4. Reporting and recording.
5. Theories of Nursing.
6. Subjective and objective observation.
7. Team nursing.
8. Community as a patient.
9. Basic human needs of man.
10. Format of health assessment of an adult.
11. Preventive and restorative measures.
12. Future of Nursing.
13. Coping Strategies.

SHORT ANSWERS: 10 X 2 = 20 MARKS

14. TNAI.
15. Rationale.
16. Pulse.
17. Definition of Nursing.
18. Sick role.
19. Nursing intervention.
20. Complication of I.V. Infusion.
21. Mouth care.
22. INC.
23. Inter-personal-relation.

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75

1731_2006_2_S12

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination

me: 2 Hours] [Max. Marks: 35]

NURSING FOUNDATION

(Revised Scheme 3)

QP Code: 1731

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

NG ESSAY (ANSWER ANY ONE) **1 X 10 = 10 Marks**

a) Define nursing ethics.
b) Explain ethical aspects of nursing profession.
Define quality assurance discuss briefly about nursing audit.

ORT ESSAY (ANSWER ANY THREE) **3 X 5 = 15 Marks**

Holistic nursing care
Types of care plan
Management of solid waste
Problems associated with toddler

ORT ANSWERS **5 X 2 = 10 Marks**

Stress and adaptation
Recording
Meta – paradigm
Nursing council
Career planning

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1732_2006_2_S11

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination

Time: 2 Hours] [Max. Marks: 35]

NUTRITION AND DIETETICS

(Revised Scheme 3)

QP Code: 1732

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

LONG ESSAY (ANSWER ANY ONE) **1 X 10 = 10 Marks**

1. Discuss the methods of assessing nutritional status of a community
   Explain briefly on current nutritional programmes in operation

SHORT ESSAY (ANSWER ANY THREE) **3 X 5 = 15 Marks**

3. Nutritional needs of the older people
4. Therapeutic diet
5. Feeding of premature infants
6. Deficiency diseases

SHORT ANSWERS **5 X 2 = 10 Marks**

7. Macronutrients
8. Energy yielding food
9. Substitute for non-vegetarian foods
10. Advantages of school lunch programme
11. Calorie requirement for a lactating mother

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1734_2006_2_S13

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination

Time: 3 Hours] [Max. Marks: 75]

PSYCHOLOGY

(Revised Scheme 3)

QP Code: 1734

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

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

1. Define mental health. Explain the characteristics of mentally healthy person
2. Define intelligence. Explain the classification of intelligence test
3. Discuss the applications of psychology to nurse

HORT ESSAY (ANSWER ANY SEVEN) **7 X 5 = 35 Marks**

4. Suggest the ways of coping with frustration
5. Explain psychosomatic illness
6. Explain the modification of attitudes
7. Discuss the principles of heredity
8. As a nurse, list the psychological needs of a child
9. Discuss the characteristics of learning
10. Explain the factors affecting mental health
11. The nurse and adolescent
12. Steps of experimental method

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

13. Behaviour
14. Perception
15. Fluctuation of attention
16. Projective techniques
17. Emotional differences
18. Environment
19. Law of exercise
20. Forgetting
21. Retention
22. Emotions

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1735_2006_2_512

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination

[Time: 3 Hours] [Max. Marks: 75]

MICROBIOLOGY

(Revised Scheme 3)

QP Code: 1735

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. Define disinfection. Describe the various chemicals used in the hospital with special emphasis on the concentrations used
2. Describe the pathogenesis and laboratory diagnosis of treponema pallidum
3. Describe the life cycle, pathogenesis and laboratory diagnosis of ascaris lumbricoides

SHORT ESSAY (ANSWER ANY EIGHT) **7 X 5 = ~~40~~ 35 Marks**

4. Sterilization by filtration
5. Immuno-globulin 'A' (IgA)
6. Active immunity
7. Lepromin test
8. Laboratory diagnosis of streptococcus pyogenes infections
9. Prophylaxis against poliomyelitis
10. Laboratory diagnosis of HIV infection
11. Trichuris trichiura
12. Candida albicans
13. Widal test

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

14. How are bacteria classified based on oxygen requirement?
15. Name two lymphocytes of the immune system
16. Classification of hypersensitivity reactions
17. Name two coagulase negative staphylococci
18. Prophylaxis against tetanus
19. Name two DNA viruses
20. Name two non-neural vaccines against rabies
21. Name two fungi causing systemic mycotic infections
22. Microfilaria
23. Draw a neat and labeled diagram of the ova of ancylostoma duodenale

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1736_2006_2_S11

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination

Time: 3 Hours] [Max. Marks: 75]

MATERNAL NURSING

(Revised Scheme 3)

QP Code: 1736

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. a) Define third stage of labor.
   b) List the methods of separation of placenta.
   c) Discuss the management of third stage of labor.
2. a) Define postpartum hemorrhage.
   b) List the predisposing factors for post partum hemorrhage.
   c) Discuss the management of primary post partum hemorrhage.
3. a) Define polyhydramnios.
   b) List the etiological factors for polyhydramnios.
   c) Discuss the management of polyhydramnios complicating pregnancy.

SHORT ESSAY (ANSWER ANY SEVEN) **7 X 5 = 35 Marks**

4. Fetal development
5. Episiotomy
6. Changes in the uterus in pregnancy
7. Diameters of pelvic outlet
8. Postnatal exercises
9. Oxytocin
10. Vulval hematoma
11. Pre requisites for forceps application
12. Burns Marshall method

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

13. Quickening
14. Hyperemesis gravidarum
15. Post maturity
16. Moulding
17. Zygote
18. Placenta previa
19. APGAR score
20. After pain
21. Amennorrhoea
22. Recto-vaginal fistula

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80

1737_2006 / S12

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination

[Time: 3 Hours] [Max. Marks: 75]

CHILD HEALTH NURSING

(Revised Scheme 3)

QP Code: 1737

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. Master A. is admitted to PICU with pneumonia.
   a) Classifiy pneumonias.
   b) Mention the complications of acute lobar pneumonia.
   c) Write the nursing management of master A. with pneumonia
2. Describe the health appraisal of newborn.
3. Discuss the growth and development of a preschooler.

SHORT ESSAY (ANSWER ANY SEVEN) **7 X 5 = 35 Marks**

4. Mental retardation
5. Thalassemia
6. Immunization schedule
7. Phototherapy
8. Immediate care of a new born
9. Patent ductus arteriosus (PDA)
10. Reconstructive surgery for burns
11. Erickson's theory of development
12. Thalassemia

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

13. Scabies
14. Fluid calculations for burns
15. Advantages of breast milk
16. Weaning
17. BCG vaccination
18. Retro – lental fibroplasia
19. Autism
20. Nebulization
21. Spina bifida
22. Congenital deformities of the extremities: Name two conditions

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1738_2006_2_512

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination

[Time: 3 Hours] [Max. Marks: 75]

MEDICAL SURGICAL NURSING

(Revised Scheme 3)

QP Code: 1738

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. Mrs. Malathi... 30 years old female is admitted with complaints of severe wheezing, dyspnea and anxiety and has been diagnosed to have an acute asthma attack. Answer the following
   a) What are predisposing factors leading to asthma?
   b) Explain the pathophysiology of asthma.
   c) Write a nursing care plan for Mrs. Malathi... based on 2 priority nursing diagnosis.
2. Mr. Vasu..., 40 years old male is admitted for amputation of right leg.
   a) State the types of amputation.
   b) State the pre operative education considerations for Mr. Vasu...
   c) Write nursing care plan for Mr. Vasu... based on three prioritized common nursing diagnosis.
3. Mrs. Hema..., 25 years old female has been admitted to the hospital with diagnosis of anemia. Answer the following.
   a) Explain the types of anemia according to etiological factors
   b) Write a nursing care plan for Mrs. Hema... based on 2 prioritized nursing diagnosis

SHORT ESSAY (ANSWER ANY SEVEN) **7 X 5 = 35 Marks**

4. Pharmacological management of pain
5. Pathophysiology of cardiogenic shock
6. Complications of unconsciousness
7. Water seal chest drainage
8. Glucose tolerance test
9. Osteomalacia
10. Classification of burns injury based on depth, extent and location of burns
11. Pathophysiology of pulmonary tuberculosis
12. Hypertensive crisis

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

13. Define osmosis
14. Define parkinson's disease
15. Classify pneumothorax
16. What is the significance of blood urea nitrogen assessment of renal problems
17. Classify hemorrhoids
18. Define compartment syndrome
19. List the five groups of chemotherapeutic agents with one example of each
20. Which kind of hearing loss can be treated? Give an example for each
21. Classify burn injuries according to depth of burns
22. Define heat exhaustion

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1739 2006_2_S12

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination

[Time: 3 Hours] [Max. Marks: 75]

BIOCHEMISTRY AND BIOPHYSICS

(Revised Scheme 3)

Your 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: 1739 - Section A - BIOCHEMISTRY [38 Marks]

LONG ESSAY (ANSWER ANY ONE) **1 x 10 = 10 marks**

1. Write an essay on regulation of blood glucose in the body. Give the normal fasting blood glucose level
2. List the nitrogenous constituents in urine, their origin and normal value in blood. Write the steps of urea cycle

SHORT ESSAY (ANSWER ANY FOUR) **4 x 5 = 20 marks**

3. Role of liver in fat metabolism.
4. What is Gout? Expiain the causes of Gout
5. Explain the diagnostic importance of isoenzymes in myocardial infarction
6. Write a note on post-translational modification of proteins
7. Describe Renin-Angiotensin mechanism

SHORT ANSWERS **4 x 2 = 8 marks**

8. Give the normal values of the following in plasma
   a) Uric acid b) Total protein c) Hemoglobin and d) Calcium
9. Define gluconeogenesis
10. What is oxidative phosphorilation?
11. Name two glycogen storage diseases and the enzyme deficient in it

QP Code: 1740 - Section B - BIOPHYSICS [37 Marks]

Use separate answer book

ESSAY (ANSWER ANY ONE) **1 x 9 = 9 marks**

1. Explain the term current, voltage and resistance. Mention their units and write a note on ohm's law
2. State and explain Pascal's law. How this law finds its application in the measurement of blood pressure? Explain the construction and working of a sphygmomanometer

SHORT ESSAY (ANSWER ANY FOUR) **4 x 5 = 20 marks**

3. Explain the method of determining the density of urine using urinometer
4. Write a note on ECG and EMG
5. Distinguish between kinetic energy and potential energy with examples
6. State and explain Newton's laws of motion
7. What are applications of gravity nursing?

SHORT ANSWERS **4 x 2 = 8 marks**

8. What is the normal blood pressure
9. Give an example of simple machine
10. Convert 40 degree Celsius to corresponding temperature in kelvin
11. Why white cloths are preferred for summer?

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1701_2006_2_511

Rajiv Gandhi University of Health Sciences

First Year B.Sc. Nursing (PC) Degree Examination

[Max. Marks: 80]

me: 3 Hours]

GENERAL AND EDUCATIONAL PSYCHOLOGY

(Revised Scheme 2)

QP Code: 1701

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

2 X 10 = 20 Marks

G ESSAY (ANSWER ANY TWO)

Discuss any two methods of psychology.
Define learning. Explain the laws of learning with their educational implications.
hat is motivation? Explain theories of motivation.

8 X 5 = 40 Marks

ORT ESSAY (ANSWER ANY EIGHT)

Define attitudes and explain the natures of attitudes
Explain the uses of intelligence tests
Classify the motives and explain them in brief
Explain the characteristics of effective teacher
Explain the steps in problem solving thinking
Explain the merits and limitations of achievement tests
0. Explain the merits and limitations of perception in brief
1. Define attention and explain the classification of attention
2. Explain the principles of learning in the view of operant conditioning
3. Define individual differences and explain areas of individual differences

10 X 2 = 20 Marks

RT ANSWERS

4. Purpose of evaluation
5. Behaviour
6. Observation method
7. Over learning
8. Symbols
9. Forgetting
20. IQ
21. Gestalt
22. Educational psychology
23. The teacher

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