SK-0009

First year B.Sc Nursing (Basic) Degree Examination - September 1997

# INTRODUCTION TO COMMUNITY HEALTH

Time : 3 Hours

Max. Marks : 80

**Instructions to Candidates :**

1. Answer Section 'A' and Section 'B' in separate answer books.
2. Your answers shall be specific to the questions asked.
3. Draw neat and labelled diagrams wherever necessary.

## SECTION - A

I Long Essay : 2 + 3 + 5 = 10

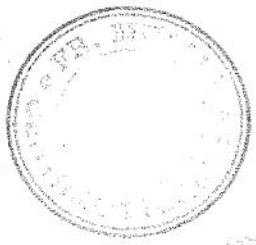
a) Define food adulteration.
b) What are the diseases caused due to food adulteration ?
c) What measures are to be taken to promote food sanitation ?

II Short Essays : 4 x 5 = 20

a) List the users of Water.
b) Explain the sources of Water supply.
c) Explain briefly Sanitary well.
d) Describe the role of Community Health Nurse in preventing Water pollution in a rural community.

III Short answers 5 x 2 = 10

a) Humidity
b) Menstrual hygiene
c) Manure pits
d) Safe and wholesome Water
e) Food hygiene



P.T.O.

## SECTION - B

I Long Essay : 2 + 4 + 4 = 10

a) What are the different elements of meteorological environment ?
b) Explain how air temperature is measured.
c) Explain the effects of heat Stress.

II Short Essays : 4 x 5 = 20

a) Explain the role of Community Organisations to promote environmental health.
b) Explain the importance of Genetic Counselling and guidance in prevention of diseases.
c) Explain the major health problems in India.
d) Write briefly about the principles of Primary Health Care.

III Short answers 5 x 2 = 10

a) Village and Town planning.
b) Criteria for a healthful Housing.
c) Chlorination.
d) Incineration.
e) Methods of Sewage disposal

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SK-0006

First year B.Sc Nursing (Basic) Degree Examination - September 1997

# FUNDAMENTALS OF NURSING

Time : 3 Hours | Max. Marks : 80

**Instructions to Candidates :**

1. Answer Section 'A' and Section 'B' in separate answer books.
2. Your answers shall be specific to the questions asked.
3. Draw neat and labelled diagrams wherever necessary.

## SECTION - A

I Long Essay : 2 + 2 + 6 = 10

a) Define pulse.
b) List the factors which can alter the pulse.
c) Describe six types of the abnormal pulse.

II Short Essays : 4 x 5 = 20

a) Define T.N.A.I. State the relationship between T.N.A.I. and Indian Nursing council.
b) List the types of hospitals in our state. Mention the discharge procedure of a patient from a hospital.
c) List the contra-indications of oral feeding. Name the types of diet given to patients in hospitals.
d) State the observations made on the Stools. Explain Enema procedure.

III Short answers 5 x 2 = 10

a) List the importance of cleanliness of out-patient department.
b) Describe the first-aid for Dog bite.
c) State the advantages of interview method.
d) Name four types of Rubber tubes used in the hospital and their uses.
e) Mention the various surgical wards available for patients in a hospital.

P.T.O.

## SECTION - B

I Long Essay : 2 + 4 + 4 = 10

a) Is nursing a profession ?
b) List the characteristics of a profession.
c) Mention the various role of a nurse.

II Short Essays : 4 x 5 = 20

a) Name the cold applications. Describe any one of the cold applications.
b) List the common needs of a patient. Mention the nursing interventions for any one of the needs.
c) Name the principles of communication. Define any one of the principles of communication.
d) How does the cultural history helps in planning nursing care. State the common physical examinations done on Chest and Abdomen.

III Short answers 5 x 2 = 10

a) Name the principles of Bandaging.
b) Mention the importance of Sleep.
c) List the advantages of a Sponge bath.
d) State the different types of beds used for patients.
e) Write the importance of Recreation Therapy.

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SK-0004

First year B.Sc Nursing (Basic) Degree Examination - September 1997

ANATOMY

Time : 3 Hours

Max. Marks : 80

**Instructions to Candidates :**

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**SECTION - A**

I Long Essay : 10

Mention the parts of Urinary System. Describe the gross structure of Kidney.

II Short Essays : 4 x 5 = 20

a) Give the structure of Compact Bone. Draw a labelled diagram.
b) Listout the type of tissues present in the Heart and describe the Pericardium
c) Describe the structure of Lymph node and give it's functions.
d) Name the boundaries of Nasal cavity and describe each one of them.

III Short answers 5 x 2 = 10

a) Name the cartilage of Larynx.
b) Enlist any four branches of external Carotid artery.
c) Name two muscles of the Posterior Abdominal Wall.
d) Name the Hormones produced by the Neuro-Hypophysis.
e) Draw and label the parts of membranous Labyrinth.

P.T.O.

## SECTION - B

I Long Essay : 10

Describe the Hip joint and name the muscles responsible for various movements of the Hip joint.

II Short Essays : 4 x 5 = 20

a) Give a brief account of the arteries of the Upper Limb.
b) Enumerate the organs associated with the Stomach.
c) Describe the structure of Skin with the help of a labelled diagram.
d) Describe the Visual Pathway.

III Short answers 5 x 2 = 10

a) Mention the internal organs of reproduction in females.
b) Name the bones forming the Coronal Suture.
c) Name the parts of Inter-Vertebral disc.
d) Where does the Ejaculatory duct open ?
e) Name any four veins that drain into the Portal vein.

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SK-0008

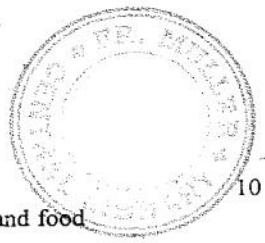
First year B.Sc Nursing (Basic) Degree Examination - September 1997

# NUTRITION

Time : 3 Hours | Max. Marks : 80

**Instructions to Candidates :**

1. Answer Section 'A' and Section 'B' in separate answer books.
2. Your answers shall be specific to the questions asked.
3. Draw neat and labelled diagrams wherever necessary.



## SECTION - A

I Long Essay : 10

Enumerate the factors which influence food intake and food habits. Explain the role of culture in detail.

II Short Essays : 4 x 5 = 20

a) What are the deficiency conditions of Vitamin-D? Give any TWO rich sources of Vitamin-D.
b) List the functions of Carbohydrates.
c) Applied Nutrition Programme.
d) What are the different techniques used for identification of mal-nutrition in children ?

III Short answers 5 x 2 = 10

a) Define "Pernicious Anaemia".
b) List different methods used for preservation of food.
c) What are Millets ?
d) What is the Caloric requirement of pre-school children ?
e) What is "Steaming" ?

P.T.O.

## SECTION - B

I Long Essay : 10

What is balanced diet ? What factors you need to consider while planning balanced diet ?

II Short Essays : 4 x 5 = 20

a) What is the role of UNICEF in promotion of child nutrition?
b) What are the effects of washing and cooking on rice ?
c) Define essential Fatty Acids and give examples.
d) List the deficiency symptoms of Riboflavin and write the sources of Riboflavin.

III Short answers 5 x 2 = 10

a) Define "Nutrition".
b) What is the biological importance of Protein ?
c) What are the effects of cooking on Green Leafy Vegetables?
d) What is the daily requirement of Folic Acid for a healthy adult ?
e) List important food sources of Iron.

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SK-0005

First year B.Sc Nursing (Basic) Degree Examination - September 1997

# PHYSIOLOGY INCLUDING BIO-CHEMISTRY

Time : 3 Hours | Max. Marks : 80

**Instructions to Candidates :**

1. Answer Section 'A' and Section 'B' in separate answer books.
2. Your answers shall be specific to the questions asked.
3. Draw neat and labelled diagrams wherever necessary.

## SECTION - A (Physiology)

I Long Essay : 10

Describe the Molecular basis of muscle contraction, with suitable diagrams.

II Short Essays : 4 x 5 = 20

a) List the functions of Oestrogen.
b) Explain the function of Posterior Pituitary Hormones.
c) Write the steps in the Intrinsic pathway of Blood Coagulation.
d) Enumerate the functions of the Kidney.

III Short answers 5 x 2 = 10

a) Give normal values of (I) Heart rate (ii) Stroke volume (iii) Systolic Arterial blood pressure (iv) Cardiac output
b) Define (I) Dead space (ii) Residual volume
c) Mention any FOUR functions of Saliva.
d) Name any TWO Sensory Receptors. Indicate their specific stimulus.
e) List the functions of Cerebellum.

P.T.O.

## SECTION - B (Bio-chemistry)

I Long Essay : 10

Discuss the formation and disposal of Ammonia in Liver

II Short Essays : 4 x 5 = 20

a) Explain the dietary care of a pregnant woman.
b) What are the functions of Calcium ?
c) Describe the water balance.
d) Discuss the formation and functions of any two Phospholipids

III Short answers 5 x 2 = 10

a) Name the following :
   (i) A Purine base in DNA
   (ii) The catabolic end product of Haemoglobin
   (iii) A biologically important nucleotide
   (iv) A poly unsaturated fatty acid
b) Name the enzymes catalysing the following reactions :
   (i) Glucose 6 Phosphate _____ Glucose
   (ii) Glucose 6 Phosphate _____ Fructose 6 Phosphate
c) Name any four digestive enzymes.
d) What are the deficiency manifestations of Vitamin-A
e) Name the following :
   (i) The Vitamin that prevents Glossitis
   (ii) The Vitamin which functions as Antioxidant

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SK-0007

First year B.Sc Nursing (Basic) Degree Examination - September 1997

# PSYCHOLOGY

Time : 3 Hours

Max. Marks : 80

**Instructions to Candidates :**

1. Answer Section 'A' and Section 'B' in separate answer books.
2. Your answers shall be specific to the questions asked.
3. Draw neat and labelled diagrams wherever necessary.

## SECTION - A

I Long Essay : 10

Define Personality. Explain Personality types.

II Short Essays : 4 x 5 = 20

a) Explain Perceptual disorders.
b) Explain experimental method.
c) What is Cognitive theory of Emotion ? Explain.
d) Explain the term "BEHAVIOUR" with examples.

III Short answers 5 x 2 = 10

a) Mention Physiological changes during Emotion.
b) State the classification of Motives.
c) Explain subjective factors that determine Attention.
d) What are the levels of the Behaving Organism ?
e) Mention popular theories of Personality.

P.T.O.

## SECTION - B

I Long Essay : 10

Discuss the scope of Educational Psychology.

II Short Essays : 4 x 5 = 20

a) Describe any two methods of studying Educational Psychology.
b) Describe formation of Attitudes.
c) Discuss the role of Motivation in Memory and Forgetting.
d) Explain the significance of learning in the field of Nursing.

III Short answers 5 x 2 = 10

a) Explain Proactive Inhibition.
b) List the methods of measuring individual differences.
c) Explain Two-Factor theory of Intelligence.
d) List the characteristics of an Effective Teacher.
e) List the steps of Reasoning.

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SK-0008

First year B.Sc Nursing (Basic) Degree Examination - September 1997

# NUTRITION

Time : 3 Hours | Max. Marks : 80

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