SC—0696

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

(1998—99 Batch)

SOCIOLOGY

Time : Three Hours Maximum : 80 Marks

Instructions to Candidates :

(1) *Your answer should be specific to the question asked.*

(2) *Draw a labelled neat diagrams wherever necessary.*

I. Long Essays : Answer any *two* of the following :

1 Explain how social factors influence health and illness.

2 Describe the functions of primary and secondary groups.

3 What is Sociology ? Explain the importance of study of sociology.

(2 × 10 = 20 marks)

II. Short Essays : Answer any *eight* of the following :—

4 Importance of Hindu Marriage Act of 1955 for Women.

5 Negative effects of social isolation.

6 Consequences of social change.

7 Health problems of Rural community.

8 Social mobility.

9 Adverse effects of caste.

10 Functions of competition.

11 Importance of social mores.

12 Health beliefs relating to food.

13 Problems of working women.



(8 × 5 = 40 marks)

III. Short Answers : Answer the following in not more than *four* sentences each :

14 Write the meanings of the root words from which the term sociology is derived.

15 Define socialization.

16 List the health consequences of poverty.

17 Explain social conflict.

18 Define social system.

19 Explain social planning.

20 What is paedocentric family ?

21 Explain the new code of criminal procedure—Section 125.

22 List the common social problems of urban community.

23 Explain assimilation.

(10 × 2 = 20 marks)

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SC—0688

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

NUTRITION

Time : Three Hours | Maximum : 80 Marks

Your answers shall be specific to the question asked.
Draw neat and labelled diagrams wherever necessary.

I. Long Essay : (Answer any *two*) :

1 What is a "Balanced Diet" ? What are the causes for Malnutrition ? Elaborate about kwashorkor and Marosmus.

2 List out the nutritional problems commonly found among pregnant women, plan balanced diet for normal pregnant and lactating women at moderate and high cost level.

3 Nutrition as health problem in India. Discuss.

(2 × 10 = 20 marks)

II. Short Essay : (Answer any *eight*) :

1 Define steaming and baking. How will you prepare egg flip and albumin water ?

2 Explain the functions of calcium in Human body.

3 List the deficiency signs of Vitamin A. Explain the causes of Development of Deficiency and the signs.

4 Classify the carbohydrates and explain about mond saucharios.

5 List out the common deficiencies observed in your hospital patients and explain different types of diet they are supplied from your hospital kitchen.

6 What are the common deficiency conditions of Vitamin C and list out any three sources of it ?

7 List the important processing and cooking methods, and explain briefly about effect of cooking on carbohydrates and fats.

8 What are the important functions of dietary protein and enumerate the protein metabolism ?

9 Explain any *two* of the following :—
(a) ICOS ; (b) UNICEF ; (c) FAO.

10 Write an essay on Mid-day Meal School Programme.

(8 × 5 = 40 marks)

III. Short Answers.

1 List the factors which are influencing blood glucose levels.

2 Define Nutrition and Health.

3 List any *two* rich sources of vitamin B_6.

4 Write any *two* factors affection on calcium absorption.

5 Write any *two* functions of potassium.

6 Write the standards for basal metabolism.

7 List the water soluble vitamins.

8 Define Pem.

9 List out any *two* Vitamin K deficiency disorders.

10 Define Endemic Goiter.

(10 × 2 = 20 marks)

SC—0694

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

(98—99 Batch)

MICROBIOLOGY

Time : Three Hours Maximum : 80 Marks

I. Long Essays : Answer any *two* :

1 Classify spirochates. Describe pathogenesis Lab. Diagnosis of leptospiral diseases.

2 What is immunity. Briefly write about the vaccine schedule in India ?

3 Define food poisoning ? Discuss the general measures that you will follow in the prevention of food born infection.

(2 × 10 = 20 marks)

II. Short Essays : Answer any *eight* :

4 Bacterial motility test.

5 Food poisoning.

6 Microfilaria.

7 Ziehl-Neelsen stain.

8 Blood agar plate.

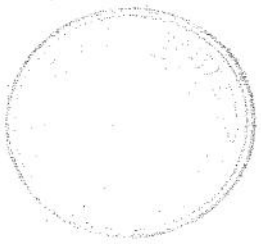
9 Typhoid fever.

10 Diphtheria laboratory diagnosis.

11 Type III hypersensitivity.

12 Candida.

13 HIV infection prevention.



(8 × 5 = 40 marks)

III. Short Answers :

14 Write about B.C.G. vaccine uses.

15 What are the uses of phenols ?

16 What is sterilisation and disinfection ?

17 Name the urinary tract pathogenic bacteria.

18 What is zoonotic disease ?

19 What is biological indicator of sterilisation ?

20 Name *two* vectors in viral diseases.

21 Describe Ascaris ova.

22 Name the diseases transmitted by blood transfusion.

23 Name the gases used in sterilisation.

(10 × 2 = 20 marks)

SC—0693

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

(98—99 Batch)

GENERAL PSYCHOLOGY AND EDUCATIONAL PSYCHOLOGY

Time : Three Hours Maximum : 80 Marks

I. Long Essays : Answer any *two* of the following :

1 What is psychology ? How does psychology help in good nurse-patient relationship ?

2 Explain the meaning of attitudes. Describe the processes involved in attitude change.

3 Explain the causes of individual differences.

(2 × 10 = 20 marks)

II. Short Essays : Answer any *eight* :—

4 Nature and type of personality tests.

5 Maslow's need Hierarchy theory.

6 Emotions and feelings. Its implication on behaviour.

7 Importance of heriditary and enviornment in the development of behaviour.

8 Tests on intelligence—Nature and the types.

9 Factors influencing process of thinking.

10 Need for evaluation in teaching.

11 Insightful learning in acquisition of knowledge.

12 Levels of functioning in behaving organisms.

13 Determinants of attention and concentration.

(8 × 5 = 40 marks)

III. Short Answers :

14 Problem solving methods.

15 Causes of forgetting.

16 Laws of learning.

17 Individual difference in behaviour.

18 Define personality.

19 Conflict resolution.

20 Extra-sesory perception.

21 Determinants of attention.

22 Biological motives.

23 Aims of Educational psychology.

(10 × 2 = 20 marks)

SC—0688

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

NUTRITION

Time : Three Hours | Maximum : 80 Marks

Your answers shall be specific to the question asked.
Draw neat and labelled diagrams wherever necessary.

I. Long Essay : (Answer any *two*) :

1 What is a "Balanced Diet" ? What are the causes for Malnutrition ? Elaborate about kwashorkor and Marosmus.

2 List out the nutritional problems commonly found among pregnant women, plan balanced diet for normal pregnant and lactating women at moderate and high cost level.

3 Nutrition as health problem in India. Discuss.

(2 × 10 = 20 marks)

II. Short Essay : (Answer any *eight*) :

1 Define steaming and baking. How will you prepare egg flip and albumin water ?

2 Explain the functions of calcium in Human body.

3 List the deficiency signs of Vitamin A. Explain the causes of Development of Deficiency and the signs.

4 Classify the carbohydrates and explain about mond saucharios.

5 List out the common deficiencies observed in your hospital patients and explain different types of diet they are supplied from your hospital kitchen.

6 What are the common deficiency conditions of Vitamin C and list out any three sources of it ?

7 List the important processing and cooking methods, and explain briefly about effect of cooking on carbohydrates and fats.

8 What are the important functions of dietary protein and enumerate the protein metabolism ?

9 Explain any *two* of the following :—
(a) ICOS ; (b) UNICEF ; (c) FAO.

10 Write an essay on Mid-day Meal School Programme.

(8 × 5 = 40 marks)

III. Short Answers.

1 List the factors which are influencing blood glucose levels.

2 Define Nutrition and Health.

3 List any *two* rich sources of vitamin B_6.

4 Write any *two* factors affection on calcium absorption.

5 Write any *two* functions of potassium.

6 Write the standards for basal metabolism.

7 List the water soluble vitamins.

8 Define Pem.

9 List out any *two* Vitamin K deficiency disorders.

10 Define Endemic Goiter.

(10 × 2 = 20 marks)

SC—0687

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

(1996—97 and 97—98 Batch)

PSYCHOLOGY including EDUCATIONAL PSYCHOLOGY

Time : Three Hours Maximum : 80 Marks

Instructions to Candidates :

(1) *Your answers shall be specific to the questions asked.*

(2) *Draw neat and labelled diagrams wherever necessary.*

I. Long Essays :

1 Discuss the role of emotions on health and illness.

2 Describe types of personality.

3 What is classical conditioning ? Explain its role in shaping human behaviour.

(20 marks)

II. Short Essays : Answer any *eight* of the following :—

4 Explain personality traits.

5 Enumerate the objective factors that determine and direct attention.

6 Describe the role of endocrine glands on behaviour.

7 Explain concepts and their formation.

8 Describe interpersonal conflicts.

9 Describe characteristics of efficient teacher.

10 Explain the significance of learning in the field of nursing.

11 What is reasoning ? Explain the steps involved in reasoning.

12 Explain the influences of interference effect on memory.

13 Explain short-time memory and long-term memory.

(8 × 5 = 40 marks)

III. Short Answers :

14 Mention types of intelligence tests.

15 Describe method of observation.

16 Explain "rationalization".

17 Describe Dawn's syndrome.

18 Mention perceptual abnormalities.

19 Mention the components of attitudes.

20 Explain the meaning of intelligence.

21 List the methods of measuring individual difference.

22 Explain the method of observation.

23 Mention reinforcement schedules.

(10 × 2 = 20 marks)

SC—0691

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

(98—99 Batch)

PHYSIOLOGY AND BIOCHEMISTRY

Time : Three Hours Maximum : 80 Marks

Section A (Physiology)

I. Long Essays : Answer any *one* of the following :

(a) Describe, in detail, the morphology and functions of leucocytes, with suitable diagrams.

(b) Describe the actions and regulation of secretion of thyroxine add a note on cretinism.

(10 marks)

II. Short Essays : Answer any *four* of the following :—

(a) Regulation of cardiac output.

(b) Lung volumes and capacities.

(c) Properties of synapse.

(d) Functions of stomach.

(e) Micturition.

(4 × 5 = 20 marks)

III. Write short notes on :

(a) Mitochondria.

(b) Action potential.

(c) Taste sensation.

(d) Any *four* functions of thyroxine.

(e) Ovulation time.

(5 × 2 = 10 marks)

Section B (Biochemistry)

I. Long Essay : Answer any *one* :

(a) Discuss Glycolysis in liver.

(b) Write the dietary sources of proteins, requirements and functions and deficiency disorders.

(10 marks)

II. Short Essays :

(a) Discuss the sources, requirements and functions of Vitamin C.

(b) What is the normal Biochemical composition of CSF ? How do they vary in disease ?

(c) How are proteins digested ?

(d) Give the significance of breast feeding.

(4 × 5 = 20 marks)

Turn over

III. Short Answers :

(a) NPN substances excreted in urine.

(b) Isotonic saline, its preparation and uses.

(c) Normal levels of total cholesterol and HDL cholesterol in serum.

(d) Creatinine clearance test.

(e) Gout.

SC—0685

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

PHYSIOLOGY AND BIOCHEMISTRY

(1996-1997 and 1997-1998 Batches)

Time : Three Hours | Maximum : 80 Marks

Your answers shall be specific to the question asked.
Draw neat and labelled diagrams wherever necessary.

Section A

I. Long Essay (Answer any *one* of the following) :—

1 Describe in detail synthesis and functions of thyroxine. Add a note on Hyperfunction of thyroid gland.

2 Define blood pressure. What are the factors maintaining it ?

(1 × 10 = 10 marks)

II. Short Essays (Answer any *four*) :

3 Functions of Lucocytes.

4 Triple response.

5 Blood Groups.

6 Artificial respiration.

7 Baroreceptors and their function.

(4 × 5 = 20 marks)

III. Short Answers :

8 Movements of small intestine.

9 I.U.C.D. (Intra Uterine Contraceptive Devices).

10 A.D.H.

11 Functions of middle ear.

12 G.F.R.

(5 × 2 = 10 marks)

Section B

I. Long Essay (Answer any *one*) :

1 Describe the Renal function tests.

2 Discuss the regulation of glucose level in blood by hormones.

(1 × 10 = 10 marks)

II. Write short essay on (Answer any *four*) :

3 Glycogen storage diseases.

4 Riboflavin.

5 Lipoproteins.

6 Balanced diet.

7 Metabolic alkalosis.

(4 × 5 = 20 marks)

III. Short Answers :

8 Scurvy.

9 Rothera's test.

10 Renal glycosuria.

11 Normal serum electrolytes level.

12 Phenyl ketonuria.

(5 × 2 = 10 marks)

SC—0692

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

(98—99 Batch)

BASIC PRINCIPLES AND PRACTICE OF NURSING

Time : Three Hours Maximum : 80 Marks

I. Long Essays : Answer any *two* of the following :

1 (a) What are the functions of a hospital ?

(b) How will you provide a safe and comfortable environment for patients in hospital ?

2 (a) Define urinary catheterisation.

(b) List the indications of catheterisation.

(c) Explain the nurses role in the catheterisation of a patient.

(1 + 2 + 7 = 10 marks)

3 Explain the sick role behaviour of hospitalised patient. (10 marks)

II. Short Essays : Answer any *eight* :—

4 Role of the nurse.

5 Nursing as a profession.

6 Nursing diagnosis.

7 Menstrual hygiene.

8 Feeding a helpless patient.

9 Principles of bandaging.

10 Five principles of oral administration of medication.

11 Care of dyspnoea.

12 Patients record.

13 Nurses responsibility in collection of specimen.

(8 × 5 = 40 marks)

III. Write short notes on :

14 Primary health care.

15 Communication.

16 Observation.

17 Colon irrigation.

18 Passive exercise.

19 Sterilization.

20 Relapsing fever.

21 Team nursing.

22 Oxygen inhalation.

23 Evaluation.

(10 × 2 = 20 marks)

SC—0686

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

FUNDAMENTALS OF NURSING

(1996-97 and 1997-98 Batches)

Time : Three Hours | Maximum : 80 Marks

Your answers shall be specific to the question asked.
Draw neat and labelled diagrams wherever necessary.

I. Long Essay : (Answer for any *two*) :

1 Explain *four* important characteristics of a "profession".
2 Enumerate and explain the various functions of a hospital.
3 Discuss the patient role behaviour when hospitalised.

(2 × 10 = 20 marks)

II. Short Essay (Answer any *eight*) :

1 Explain the responsibilities of the nurse in admission of a patient to the hospital.
2 Discuss the role of the nurse in providing safe environment to the hospitalized patient.
3 Differentiate between Medical asepsis and Surgical asepsis.
4 How will you take care of hot water bag after the use ?
5 How will you prevent cross infection in your wards ?
6 What precautions you would take in the procedure of Ryle's tube feeding to an unconscious patient ?
7 Enumerate the principles you would keep in mind in administration of oral medications.
8 Prevention of pressure sores.
9 Care of patients unit after discharge.
10 First aid to a patient with snake bite.

(8 × 5 = 40 marks)

III. Short Answers.

1 Define "Profession".
2 Vomiting of blood.
3 Anti-tuberculous drug.
4 Empathy.
5 Nursing process.
6 Therapeutic nurse patient relationship.
7 Palpation.
8 Health team.
9 Kernick's sign.
10 Health Education.

(10 × 2 = 20 marks)

SC—0684

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

(96—97 and 97—98 Batch)

ANATOMY

Time : Three Hours | Maximum : 80 Marks

Instructions to Candidates :

(1) *Your answers shall be specific to the questions asked.*

(2) *Draw neat and labelled diagrams wherever necessary.*

I. Long Essays : Answer any *two* of the following :

1 Mention the various Endocrine glands. Describe the gross features of pituitary gland.

2 Mention the parts of the male reproductory system. Describe the gross features of the testis.

3 List the various parts of respiratory system and their location. Add a note on structure of trachea.

(2 × 10 = 20 marks)

II. Short Essays : Answer any *eight* :—

4 Name the chambers of the heart and give their functions.

5 Describe the venous drainage of the heart.

6 Give the structure of smooth muscle.

7 Describe the structure of Lymph node and give its functions.

8 Describe the medulla oblongata and its functions.

9 List out the boundaries of pelvic cavity and enumerate the organs present in the female pelvis.

10 Classify the epithelial tissue. Describe the stratified epithelium.

11 Give a brief account of intercostal muscles.

12 Draw a diagram of the inferior surface of liver and label the parts.

13 Describe the *two* main superficial veins of the lower limb.

(8 × 5 = 40 marks)

III. Short Answers :

14 Name *two* bones forming the elbow joint.

15 Name the hormone secreted by para-thyoid glands. Give its function.

16 Name *two* muscles that flex the hip joint.

17 Name *two* contents of Spermatic cord.

18 Name *two* nerves supplying the anterior abdominal wall.

19 Enlist any *four* branches of external carotid artery.

20 Name the cartilages of the larynx.

21 Name the the curvatures of the Vertebral column.

22 Name the veins which join to form the portal vein.

23 What is a Cartilagenous bone ? Give an example.

(10 × 2 = 20 marks)

SC—0690

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

(98—99 Batch)

ANATOMY

Time : Three Hours Maximum : 80 Marks

Instructions to Candidates :

(1) *Your answers shall be specific to the questions asked.*

(2) *Draw neat and labelled diagrams wherever necessary.*

I. Long Essays : Answer any *two* of the following :

1 Describe Aorta with a mention of its structure.

2 Describe trachea with a mention of its structure.

3 Describe stomach with a mention of its importance.

(2 × 10 = 20 marks)

II. Short Essays : Answer any *eight* :—

4 Mention briefly about ovary.

5 Mention briefly about larynx.

6 Mention briefly about caecum and appendix.

7 Mention briefly about bronchial tree.

8 Portal circulation.

9 Suprarenal cortex—Structure and importance.

10 Brief mention about autonomic nervous system.

11 Brief mention about organ of hearing.

12 Brief mention about structure of vision.

13 Mention briefly about cranial nerves.

(8 × 5 = 40 marks)

III. Short Answers :

14 Parathyroid gland—Structure.

15 Urinary bladder position.

16 Kidney — Coverings.

17 Tongue—function.

18 Biceps, triceps — actions.

19 Larynx — pharynx — difference.

20 Flexion — extension —difference.

21 Permanent sterilization in male.

22 Hip joint.

23 Draw the uterus and name the parts.

(10 × 2 = 20 marks)

3

SC—1115

FIRST YEAR B.Sc. NURSING (BASIC) DEGREE EXAMINATION, 2000

SOCIOLOGY

Time : Three Hours | Maximum : 80 Marks

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

I. Long Essays : (Answer any *two*)

1 Explain the process of socialization.
2 Describe the advantages of co-operation and competition.
3 Explain the various forms of Marriage.

(2 × 10 = 20 marks)

II. Short Essays : (Answer any *eight*)

4 Health benifits of social isolation.
5 Adverse effects of in-groups.
6 Characteristics of human society.
7 Benefits of joint family.
8 Health problems of urban community.
9 Characteristics of caste..
10 Social mobility.
11 Malthusian theory of population.
12 Social mores.
13 Health effects of unemployment.

(8 × 5 = 40 marks)

III. Short Answers :

14 Define Accommodation.
15 Defin Culture-lag..
16 What is ethno centrism ?
17 Explain freternal polyandry..
18 What is varna system ?
19 Dowry Prohibition Act—mention recent amendments.
20 Define Assimilation.
21 Explain social telesis.
22 What are the health problems of untouchables ?
23 Define Crowd.

(10 × 2 = 20 marks)