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61303i

First Basic P. B. B.Sc. (Nursing) Examination, Phase - II
Summer - 2022
BIOCHEMISTRY AND BIOPHYSICS

Total Duration : 3 Hours

Total Marks : 75

SECTION - A & SECTION - B

Instructions : *1) Use **blue/black** ball point pen only.*

*2) **Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.*

*3) **All** questions are **compulsory.***

*4) The number to the **right** indicates **full** marks.*

*5) Draw diagrams **wherever** necessary.*

6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

7) Use a common answerbook for all sections.

SECTION "A" (Biochemistry)

1. Short answer questions (**Solve any 5 Out of 6**) : **[5 × 5 = 25]**

a) Biosynthesis & storage of fat

b) Essential amino acids

c) Clinical significance of enzymes

d) Glycosuria

e) Electrolyte Distribution & its Functions

f) Biological importance of lipid

2. Long answer questions (**Solve any 2 Out of 3**) : **[2 × 5 = 10]**

a) Describe Structure and classification of Lipoproteins.

b) Explain measurement and factors affecting BMR

c) Discuss Dietary sources, RDA, Absorption and utilization of Vitamin D.

3. Long answer questions (**Solve any 2 Out of 3**) : [2 × 5 = 10]

a) Nucleic Acids

b) Structure of Protein

c) Electron Transport Chain

SECTION "B" (Biophysics)

4. Short answer questions (**Solve any 4 Out of 5**) : [4 × 5 = 20]

a) Explain the mode of heat transfer with example.

b) Newton' law of motion.

c) What is gravity? Explain the clinical applications of gravity in nursing

d) Describe ECG.

e) Explain the clinical uses of radioisotopes and radio elements.

5. Long answer questions (**Solve any 1 Out of 2**) : [1 × 10 = 10]

a) Define biophysics. Write the importance of biophysics in nursing.

OR

b) Discuss ultrasonic sound waves. Write the uses of ultrasound in healthcare practices.

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61307

First P.B. B.Sc. Nursing Examination, (Phase - II) Summer - 2022
CHILD HEALTH NURSING

Total Duration : Section A + B = 3 Hours

Total Marks : 75

SECTION - A & SECTION - B

Instructions : *1) Use **blue/black** ball point pen only.*

*2) **Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.*

*3) **All** questions are **compulsory.***

*4) The number to the **right** indicates **full** marks.*

*5) Draw diagrams **wherever** necessary.*

6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

7) Use a common answerbook for all sections.

SECTION "A" (40 Marks)

1. Short answer question (**any five** out of six) : **[5 × 5 = 25]**

a) Enlist causative factors of mental retardation

b) Explain management of a child with Thallasemia

c) Neonatal Resiscitation Algorithm

d) Describe modern concept of child care

e) Discuss medical management of a child with Tuberculosis

f) Explain care of a baby in incubator

2. Long answer questions (**any one** out of two) : **[1 × 15 = 15]**

a) Enlist behavioural problems of children and discuss any one in detail.

b) Define spina bifida, explain its type and discuss the management of meningocele.

SECTION "B" (35 Marks)

3. Short answer question (**any four** out of five) : [4 × 5 = 20]

   a) Difference between adult and child

   b) Discuss surgical management of Hydrocephalus

   c) Internationally accepted rights of the child

   d) Management of a child with neonatal jaundice

   e) Discuss Vitamin C in brief

4. Long answer questions (**any one** out of two) : [1 × 15 = 15]

   a) Define Acute Glomerulo nephritis. Discuss the pathophysiology & management of Acute glomerulo nephritis.

   b) Define NICU. Describe the organization of neonatal unit. Discuss the measures to be taken for prevention & control of infection in NICU.

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61306

First P.B.B.Sc. (Nursing) Examination, Phase - II Summer - 2022
Maternal Nursing

Total Duration : 3 Hours

Total Marks : 75

Instructions : 1) *Use **blue/black** ball point pen only.*

2) ***Do not** write anything on the **blank portion of the question paper.** If written anything, such type of act will be considered as an attempt to resort to unfair means.*

3) ***All** questions are **compulsory.***

4) *The number to the **right** indicates **full** marks.*

5) *Draw diagrams **wherever** necessary.*

6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*

7) *Use a common answerbook for all sections.*

SECTION - A (40 Marks)

1. Short Answer Questions (Solve any 5 Out of 6) : **[5 × 5 = 25]**

a) Incentives for family planning

b) Nursing care of patient with puerperal pyrexia

c) Characteristics of IUGR newborn

d) Injection oxytocin and role of nurse

e) Essential newborn care

f) Complications of anaemia in pregnancy

2. Long Answer Questions(Solve any 1 Out of 2) : **[1 × 15 = 15]**

a) Mrs Varsha 32 years primigravida with 30 weeks of gestation is admitted to labour ward with history of episode of fit at home. On examination she is diagnosed as a case of eclampsia and is not in labour.

Write the initial nursing assessment of Mrs Varsha. Explain in detail the general, obstetric and nursing management of Mrs Varsha.

b) List the various birth injuries likely to occur to mother and newborn during labour. Explain the role of nurse midwife in prevention of birth injuries to both mother and newborn.

SECTION - B (35 Marks)

3. Short Answer Questions (Solve any 4 Out of 5) : **[4 × 5 = 20]**

a) Role of nurse in breast engorgement

b) Ovarian harmones and its functions

c) First aid in atonic PPH

d) NST and role of nurse

e) Physiology of lactation after delivery

4. Long Answer Question (Solve any 1 Out of 2) : **[1 × 15 = 15]**

a) Write the factors responsible for increasing rate of caesarean section. Write the pre- operative nursing management of Mrs Rekha 26 years primigravida undergoing emergency caesarean section.

b) Explain the various causes for abortion. Write in detail the management of woman with threatened abortion with specific emphasis on health education.

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61305

First P.B.B.Sc. Nursing Examination, Phase - II Summer - 2022

MICROBIOLOGY

Total Duration : 3 Hours

Total Marks : 75

Instructions : 1) *Use **blue/black** ball point pen only.*

2) *Do not write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

3) ***All** questions are **compulsory.***

4) *The number to the **right** indicates **full** marks.*

5) *Draw diagrams **wherever** necessary.*

6) *Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*

7) *Use a common answer book for all sections.*

SECTION - "A" (40 Marks)

1. Short answer question (**any five** out of **six**) : **[5 × 5 = 25]**

a) Write a note on Bacterial Flagella.

b) Classify various methods of sterilization.

c) Describe Ziel Nelson staining. Give examples of acid fast bacteria.

d) Classify viruses. Give examples of each.

e) Write in brief laboratory diagnosis of cholera.

f) Describe various Modes of transmission of infection.

P.T.O.

answer question (**any one** out of **two**) : [1 × 15 = 15]

Define the term Immunity. Write the differences between Active and Passive Immunity. Enlist and explain immunoglobulin classes with their functions.

b) Name organism causing enteric fever and explain its pathogenesis. Write Laboratory diagnosis of enteric fever.

SECTION - "B" (35 Marks)

3. Short answer question (**any four** out of **five**) : [4 × 5 = 20]

a) Write a note on universal safety precautions.

b) Explain a detailed note on Cold chain of vaccine.

c) Write a short note on Hot Air Oven.

d) Write in brief various lesions caused by Cadidia and its laboratory diagnosis.

e) Write various measures for prevention of nosocomial infections.

4. Long answer question (**any one** out of **two**) : [1 × 15 = 15]

a) Write Modes of transmission of HIV. Enumerate opportunistic infections in HIV positive patients. Briefly write about prevention of HIV.

b) Write general characteristics of Viruses. Methods of cultivation of viruses. Write National Immunization schedule.

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61301

First P.B.B.Sc. Nursing Examination, Phase - II Summer - 2022
NURSING FOUNDATION

Total Duration : 2 Hours | Total Marks : 35

Instructions : *1) Use **blue/black** ball point pen only.*
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*3) **All** questions are **compulsory.***
*4) The number to the **right** indicates **full** marks.*
*5) Draw diagrams **wherever** necessary.*
6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
7) Use a common answerbook for all sections.

SECTION "A" (25 Marks)

1. Short answer question (**any five** out of six) : **[5 × 5 = 25]**

a) Trends influencing Nursing Practice
b) Code of Ethics for Nurses in India
c) Functions of Graduate Nurse
d) Indian Nursing Council
e) Stress management techniques
f) Progressive patient care

SECTION "B" (10 Marks)

2. Long answer question (**any one** out of two) : **[1 × 10 = 10]**

a) Explain steps of Nursing Process and prepare a Nursing care plan for patient with pain.
b) Explain Nursing Standards .Define nursing audit, explain its purposes and types of Nursing Audit.

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