

Post Basic B.Sc. Nursing (Prev.)

Post Basic B.Sc. Nursing Previous (Remanded) Examination

August - 2017

BIOCHEMISTRY AND BIOPHYSICS

Time: Three Hours

Maximum Marks: 75

Attempt any THREE questions from each section.***ALL questions carry equal marks.******(Use separate answer-book for each section)*****SECTION –A (BIOCHEMISTRY) Marks: 37½**

1. Define gluconeogenesis. How glucose level is maintained? Add notes on hyper and hypoglycaemia. 12½
2. Write short notes on:
 - a) Creatinine 6¼
 - b) Importance of mitochondria 6¼
3. Describe the beta-oxidation of fatty acid and its energetics. 12½
4. Write short notes on:
 - a) Cholesterol 6¼
 - b) Factors affecting enzyme activity 6¼

SECTION – B (BIOPHYSICS) Marks: 37½

1. a) Define unit. Explain with suitable examples. 05
 - b) Explain centre of gravity, application of centre of gravity for nurse. 05
 - c) Differentiate weight and mass. 2½
2. a) What is Fahrenheit and Celsius scales of temperature? Convert 98° Fahrenheit in Celsius. 3½
 - b) What is simple machine? Explain with the example of lever. 3½
 - c) Uses of radioactive isotopes. 3½
 - d) Use of heat for sterilization. 02
3. a) Give relationship between energy, frequency and wavelength of light. 04
 - b) Uses of light in therapy. 2½
 - c) i) Vocalisation 03
 - ii) Defect in vision and their correction 03
4. a) Common electronic equipments used in patient care. 3½
 - b) Write short notes on (Any two): 2 x 3 = 06
 - i) Pacemaker
 - ii) ECT
 - iii) MRI
 - c) Write short notes on Intracranial pressure and ocular pressure. 03

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1. Master Shailesh, 2 year old boy is admitted to paediatric medicine ward with diagnosis of Pneumonia.
 - a) Define Pneumonia. 02
 - b) Discuss the types and causes of Pneumonia. 05
 - c) Write the medical and nursing management of master Shailesh. 08
2.
 - a) Define enuresis. 02
 - b) Write the causes, types and sign/symptoms of enuresis. 06
 - c) Describe the management of enuresis in children. 07
3.
 - a) Describe immediate newborn care. 07
 - b) Describe the management of high risk newborn. 08
4.
 - a) Discuss the principles of growth & development. 07
 - b) Enumerate the factors affecting growth & development. 08
5.
 - a) Define meningomyelocele. 02
 - b) Explain the pathophysiology of meningomyelocele. 05
 - c) Write the surgical management and nursing process of child with meningomyelocele. 08
6. Write short notes on (Any three): 3 x 5 = 15
 - a) Baby Friendly Hospital Initiative (BFHI).
 - b) Preventive immunization.
 - c) Restraints.
 - d) Thalassemia.
7. Discuss in brief (Any three): 3 x 5 = 15
 - a) Psychosocial development theory.
 - b) Management of mentally retarded child.
 - c) Management of LBW (Low Birth Weight) baby.
 - d) Complementary feeding.

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1. Correct the following sentences:**10 x 1½ = 15**

- i) I have got headache.
- ii) A man is mortal.
- iii) Do not make noise in the class.
- iv) Cow is a useful animal.
- v) Sun rises in east and sets in west.
- vi) Lion is king of forest.
- vii) Here is Latin and English Dictionary.
- viii) He has buy quite number of books.
- ix) Nilesh has go out for walk.
- x) Boys of this college are very gentle.

2. Change the following sentences into passive voice:**10 x 1½ = 15**

- i) It is time to close the shop.
- ii) Help the poor
- iii) Do this work.
- iv) Are you doing your work?
- v) May I take your pencil?
- vi) People speak English all over the world.
- vii) Someone has broken two of my dinner plates.
- viii) He gave me a book.
- ix) She teaches us English.
- x) Neha sent me a gift.

3. Read the following passage and answer questions below:

Although religion does not inhibit the acquisition of wealth, although it does not hold up large fortunes as evil, the tenor of its teaching, by and large, is to induce an attitude of indifference to world by things which gratify one's lower self and keep on engrossed in money making. The student should be made to realize that the real goods of life are spiritual love of things of the spirit and service of one's fellowman joy of an ordered disciplined life. These are blessing money cannot buy. What is wealth before such things of the spirit of all religious teaches Jesus Christ has death more comprehensively than any other with the science of the wealth in all of its aspects. He may be called the greatest exponent of the science of the wealth. With only four words "Blessed are ye poor!" he changed altogether the values which man attached to human existence and human happiness and acquisition and possession of wealth.

i) The term "indifferences", how much significant in the passage? 05

ii) What is the philosophy of author about all religion? 05

iii) How do you justify the opinion of author about wealth? 05

4. Write a conversation in dialogue form when you are planning for educational tour with your friends. 15

5. Prepare a Resume of yourself for job. 15

6. Write an application for leave. 15

7. Write a report for repairing electric fault to the A.En. of your locality. 15

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MATERNAL NURSING

Time: Three Hours

Maximum Marks: 75

Question No.6 is compulsory.***Attempt any FOUR from rest of the questions.***

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- | | |
|--|----------------------------|
| 1. a) Define labour. | 02 |
| b) Describe the physiology of first stage of labour. | 03 |
| c) Discuss in detail on management of mother in I st stage of labour. | 10 |
| 2. a) Enlist sign and symptoms of pregnancy. | 07 |
| b) Describe the physiological changes during pregnancy. | 08 |
| 3. Write short notes on (Any three): | 3 x 5 = 15 |
| a) Minor disorder during pregnancy | b) Oxytocics |
| c) Lochia | d) Prolapse of uterus |
| e) Ectopic pregnancy | f) Essential new born care |
| 4. a) Define puerperal sepsis. | 03 |
| b) Explain the predisposing factors of puerperal sepsis. | 05 |
| c) Describe the nursing management of mother with puerperal sepsis. | 07 |
| 5. Mrs. Shalu is primigravida, admitted in hospital with 34 weeks of gestation and severe PIH. | |
| a) Define PIH. | 03 |
| b) List down the clinical features and complications of PIH. | 05 |
| c) Nursing management of PIH. | 07 |
| 6. Differentiate between (Any three): | 3 x 5 = 15 |
| a) Gynaecoid pelvis and android pelvis. | |
| b) Antepartum haemorrhage and postpartum haemorrhage. | |
| c) Threatened abortion and missed abortion. | |
| d) Permanent and temporary family planning methods. | |
| e) Maternal morbidity and mortality rates. | |

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|---|------------|
| 1. a) Define cerebral vascular accident. | 02 |
| b) Explain pathophysiology of CVA. | 03 |
| c) Write down medical management of CVA. | 04 |
| d) Prepare a nursing care plan for patient with CVA. | 06 |
| 2. Write the nursing management of following (Any three): | 3 x 5 = 15 |
| a) Cataract | |
| b) Empyema | |
| c) Hernia | |
| d) 80% burns | |
| 3. a) Define IHD. | 02 |
| b) Write the risk factor of IHD. | 03 |
| c) Describe the pathophysiology of IHD. | 03 |
| d) Discuss nursing management of IHD patient. | 07 |
| 4. Write short notes (Any three): | 3 x 5 = 15 |
| a) Types of fractures | |
| b) Crisis management. | |
| c) Leukemia. | |
| d) Pacemaker. | |
| 5. a) Define the nephrotic syndrome. | 03 |
| b) Discuss pathophysiology of nephrotic syndrome. | 05 |
| c) Explain various treatment modalities for nephrotic patients. | 07 |
| 6. a) Define D.M. | 02 |
| b) Describe the pathophysiology of D.M. | 05 |
| c) Discuss and prepare the nursing care plan for D.M. patient. | 08 |

(This paper consists of 2 pages)

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MICROBIOLOGY

Time: Three Hours

Maximum Marks: 75

Question No.7 is compulsory,

Attempt ANY FOUR from rest of the questions

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|--|-------------|
| 1. Write short notes on (Any two): | 2 x 7½ = 15 |
| a) Classification of microbes. | |
| b) Types and uses of microscope. | |
| c) Importance of microbiology in nursing. | |
| 2. Explain the methods of sterilization in detail. | 15 |
| 3. Describe briefly (Any two): | 2 x 7½ = 15 |
| a) Classification of culture media. | |
| b) Growth and nutrition of microbes. | |
| c) Classification of parasites. | |
| 4. Write short notes on: | |
| a) General characteristics of viruses. | 05 |
| b) Viral diseases in man and their control. | 10 |
| 5. a) Define immunity. | 02 |
| b) Explain types of immunity in detail. | 06 |
| c) Discuss antigen-antibody reaction. | 07 |
| 6. a) Describe the causes of food poisoning. | 07 |
| b) Role of nurse in prevention and control of food borne infections. | 08 |
| 7. (A) Fill in the blanks: | 5 x 1 = 05 |
| (i) A globulin produced in the body in response to the antigen or foreign bodies, is called _____. | |
| (ii) A chemical used to kill bacteria, is called _____. | |
| (iii) One who is harbouring but not currently suffering any ill-effect, is called _____. | |
| (iv) _____ is the growth and multiplication of microorganism. | |
| (v) _____ is the material used in vaccination. | |

(B) Give one word of the following sentences:

5 x 1 = 05

- (i) An insect which carries microorganism or parasite and is capable of transmitting this.
- (ii) A rounded or ovoid bacterium.
- (iii) A coating outside cell walls of some bacteria and fungi.
- (iv) Infections which are acquired from hospitals.
- (v) The laboratory diagnostic test for enteric fever.

(C) Match the following:

5 x 1 = 05

Column - I

Column - II

- | | |
|--|----------------------------|
| (i) A unicellular fungus | a) Agglutinate |
| (ii) Tuberculosis | b) Serology |
| (iii) To join together to form clump | c) Yeast |
| (iv) A study of serum especially antibody contents | d) Clostridium tetani |
| (v) Tetanus | e) Mycobacterium tuberculi |

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NURSING FOUNDATION

Time: Two Hours

Maximum Marks: 35

Question No. 4 is compulsory.***Attempt any TWO from rest of the questions***

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- | | |
|---|----|
| 1. a) Describe nursing as a profession. | 05 |
| b) Describe the expanded role of graduate nurse. | 05 |
| 2. a) Define nursing process. | 02 |
| b) What are the components of nursing process? | 03 |
| c) Describe the steps in nursing process with examples. | 05 |
| 3. a) Detail about team nursing. | 05 |
| b) Explain nursing audit. | 05 |
| 4. a) Brief about nightingale's theory. | 05 |
| b) Legal issues in nursing | 05 |
| c) Purpose and methods of physical examination. | 05 |

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NUTRITION AND DIETETICS

Time: Two Hours

Maximum Marks: 35

*Question No. 4 is compulsory.**Attempt any TWO from rest of the questions*

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|---|------------|
| 1. Prepare a diet plan for a pregnant woman using low cost nutritious food materials. | 9½ |
| 2. Mr. X admitted for CRF, 62 years old. Explain in detail about his menu plan. | 9½ |
| 3. Define food hygiene. Explain the preparation of food. | 9½ |
| 4. Write short notes on (Any four) of the following: | 4 x 4 = 16 |
| a) Explain the need for community nutrition programme | |
| b) Dietary management for an atherosclerosis patient. | |
| c) Nutrition education methods. | |
| d) Explain the nutritional needs in adolescence. | |
| e) Methods of introducing supplementary feeding of infants. | |

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August -2017

PSYCHOLOGY

Time: Three Hours

Maximum Marks: 75

*Attempt any FIVE questions**ALL questions carry equal marks.*

1. What is memory? Discuss its types and various theories in detail. 2 + 13 = 15
2. Define personality. Describe various types and theories of personality. 2 + 13 = 15
3. What is attention? Discuss the internal and external determinants of attention. 2 + 13 = 15
4. Define emotion. Describe the physiological changes during emotion. 2 + 13 = 15
5. Discuss endocrine system and its influence on development of behaviour. 7 + 8 = 15
6. Define defence mechanisms. Name various types of defence mechanisms and describe any five of them in detail. 2 + 3 + 10 = 15
7. Write short notes on (Any five): 5 x 3 = 15
 - a) ID, EGO and Super-EGO
 - b) Self – actualization
 - c) Scope of psychology
 - d) Intelligence tests
 - e) Conflict- resolution
 - f) Promotion of mental health