

MANIPAL UNIVERSITY

FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2013

SUBJECT: BSN 101 – ANATOMY AND PHYSIOLOGY (ESSAY)

Wednesday, September 11, 2013

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

Answer Section 'A' and Section 'B' In Two Separate Answer Books.

SECTION "A": ANATOMY: 22 MARKS

1. Write briefly on:

- 1A. Right Lung
- 1B. Pharynx
- 1C. Duodenum
- 1D. Pituitary gland

(3×4 = 12 marks)

2. Write short notes on:

- 2A. Right atrium
- 2B. Superior vena cava
- 2C. Nasal septum
- 2D. Middle ear
- 2E. Uterine tube

(2×5 = 10 marks)

SECTION "B": PHYSIOLOGY: 23 MARKS

3. Short answer questions:

- 3A. Draw a normal ECG recorded from limb lead II. Give the cause for different waves.
- 3B. Define reflex. What are the components of reflex arc?
- 3C. What is Cushing syndrome? Give any two features of it.

(3×3 = 9 marks)

4. Short answer questions:

- 4A. What are platelets? What is their role in blood coagulation?
- 4B. Name the muscle proteins.
- 4C. Name the content of middle ear and list any two functions of middle ear.
- 4D. Mention any four functions of sertoli cells.
- 4E. Name the different intestinal movements. Explain the role of any one.
- 4F. Define GFR and give the normal value.
- 4G. What is pulmonary surfactant? Name the disease associated with lack of lung surfactant.

(2×7 = 14 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2013****SUBJECT: BSN 103 – NURSING FOUNDATIONS (ESSAY)**

Thursday, September 12, 2013

Time: 10:15 – 13:00 Hrs.

Max. Marks: 60

Answer all questions.

1. Mr. Kiran is admitted to oncology ward with carcinoma of tongue. He underwent surgery and presently in postoperative unit. Physical examination revealed the need for mouth care. Considering Kiran's condition answer the following questions:

1A. List the purposes of oral care.

1B. Explain the procedure of oral care.

(3+10 = 13 marks)

2A. List the sites for giving subcutaneous injection.

2B. Explain the nurses' responsibility in giving subcutaneous injection.

(3+9 = 12 marks)

3. **Write short notes on the following:**

3A. Types of ethics

3B. Factors influencing communication

3C. Planning phase of nursing process

3D. Factors affecting pulse

3E. Types of asepsis

3F. Care of dead body

3G. Purposes of NG tube insertion

(5×7 = 35 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2013****SUBJECT: BSN 106 – MICROBIOLOGY (ESSAY)**

Monday, September 16, 2013

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

1. Answer the following questions:

- 1A. Write two characteristics of bacterial flagella.
 - 1B. Enumerate the various phases of growth curve of bacteria.
 - 1C. Enumerate two methods of sterilization by dry heat.
 - 1D. List two virulence factors and two infections caused by *Staphylococcus aureus*.
 - 1E. Write two predisposing factor for tetanus.
 - 1F. Write two important characteristics of Dermatophytes.
 - 1G. Enumerate two clinical conditions caused by *Aspergillus*.
 - 1H. Write two methods in the laboratory diagnosis of pulmonary tuberculosis.
 - 1I. Enumerate two methods of cultivation of viruses.
 - 1J. List two features of Herpes viruses.
 - 1K. Enumerate four anti rabies vaccines.
 - 1L. Write two methods of prevention of blood borne viral infections.
 - 1M. Enumerate two properties of Human Immunodeficiency virus.
 - 1N. List two antigen antibody reactions.
 - 1O. List two differences between *Plasmodium falciparum* and *Plasmodium vivax*.
- (2×15 = 30 marks)

2. Answer the following questions:

- 2A. Write three modes of transmission of infections.
 - 2B. Write three characteristics of *Candida*.
 - 2C. What is the larval form of *Taenia solium*? What does it cause? How is it diagnosed?
 - 2D. Define type I hypersensitivity. What are the two types of type I hypersensitivity reactions?
 - 2E. List the bacterial cell structures.
- (3×5 = 15 marks)



MANIPAL UNIVERSITY

FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2013

SUBJECT: BSN 107 – ENGLISH

Tuesday, September 17, 2013

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

1. Rewrite as directed:

- 1A. He said, 'I shall pay your wages tomorrow. (Change into indirect speech)
- 1B. He told me that I alone could save her. (Change into direct speech)
- 1C. The Israeli spies were hung in Iraq. (Write using a participle)
- 1D. The people elected him Mayor. (Change into passive)
- 1E. My pocket has been picked. (Change into active)
- 1F. Be just _____ fear not. (Use appropriate conjunction)
- 1G. Silk worms feed _____ mulberry trees. (Use appropriate preposition)
- 1H. The sun shines _____. (Use appropriate verb)
- 1I. _____ do you wish to see? (Use appropriate interrogative pronoun)
- 1J. _____ poems he has written are all of great excellence. (a few/the few)
- 1K. Nobody but _____ was present. (he, him)
- 1L. Here is the boy _____ is good at sports. (whom, who)
- 1M. Where is the man _____ purse was lost? (Use suitable pronoun)
- 1N. You are free, _____ (Use appropriate question tag)
- 1O. During the night the river had _____ its banks. (overflown/overflowed)

(1×15 = 15 marks)

2. Choose the correct synonym for the following words:

- 2A. Fair
 - i) Rude
 - ii) Just
 - iii) Colour
 - iv) White
- 2B. Exhausted
 - i) Empty
 - ii) Rich
 - iii) Pale
 - iv) Sound
- 2C. Ponder
 - i) To think
 - ii) Image
 - iii) Happy
 - iv) Lost

(1×3 = 3 marks)

3. Choose the right antonym for the following words:

- 3A. Introvert
 - i) Disappointed
 - ii) Thought
 - iii) Out going
 - iv) Shy
- 3B. Timid
 - i) Dull
 - ii) Bold
 - iii) Smart
 - iv) Rare

(1×2 = 2 marks)

That evening, the whole family agreed that the American pepper had added a special extra taste to their usual evening stew. They were delighted with it. By the end of the week, there was only a teaspoonful of the grey powder left in the silver container. Then Savni called a halt.

"We're saving the last bit for Sunday. Dr. Haret is coming to dinner, and we'll let him have some as a special treat. Then it will be finished."

The following Sunday, the whole family put on their best clothes, ready for dinner with Dr. Haret. He was the local doctor, and he had become a friend of the family many years before, when he had saved Arinas's life after an accident. Once every couple of months, Savni invited the doctor for dinner, and they all looked forward to his entertaining stories of his youth at the university in the capital.

During dinner, Savni explained to the doctor about the mysterious American pepper, the last of which she had put in the stew they were eating, and the letter they could not read.

"Well, give it to me, give it to me!" said the doctor briskly. "I speak English! I can translate it for you."

Savni brought the letter, and the family waited, fascinated, as the doctor began to translate.

"Dear Savni: you don't know me, but I am the son of your old Great-Aunt Pasni. She never talked much to us about the old country, but in her final illness earlier this year, she told us that after her death, she wanted her ashes to be sent back home to you, so that you could scatter them on the hills of the country where she was born. My mother died two weeks ago, and her funeral and cremation took place last week. I am sending her ashes to you in a silver casket. Please do as she asked, and spread them over the ground near where she was born. Your cousin, George Leary."

- 4A. Where does this story take place?
- | | |
|------------|--------------------------|
| i) America | ii) Arinas |
| iii) India | iv) The text doesn't say |
- 4B. How was the parcel wrapped?
- | | |
|--------------------|---------------------|
| i) In brown paper | ii) In silver paper |
| iii) In grey paper | iv) In tape |
- 4C. Who was Savni?
- | | |
|-------------------------------|---------------------------|
| i) A little girl | ii) The Great-Aunt |
| iii) The mother of the family | iv) The son of the family |
- 4D. Why don't the family read the letter?
- | |
|--|
| i) They are too impatient to look in the container |
| ii) It is addressed to the doctor |
| iii) It is in English |
| iv) It is missing |
- 4E. What does Murna think is in the pot?
- | | |
|-------------|------------|
| i) Dust | ii) Ashes |
| iii) Coffee | iv) Pepper |

friggatriskaidekaphobics remain convinced of its unluckiness? While the historical or folk traditions discussed earlier may have something to do with this belief, people may also use associational links to justify their superstitions. If a friggatriskaidekaphobic loses his wallet on Tuesday the 21st, for example, he would probably not assign any meaning to the date on which this event occurred. If the same individual lost his wallet on Friday the 13th, however, he might be likely to conclude that the inauspicious nature of Friday the 13th was at fault.

(10 marks)

8. **Write an essay in about 250 words on:**

8A. Population growth

OR

8B. My first year in MCON

(10×1 = 10 marks)

9. **Write the phonetic transcription of the following:**

9A. Nick

9B. Light

9C. Miracle

9D. House

9E. Fail

(½×5 = 2½ marks)

10. **Identify grammatical errors if any:**

10A. The later part of the book shows signs of hurry.

10B. I have an older sister.

10C. The poor woman did see happier days.

10D. Soya beans is at least as nutritious as meat.

10E. No other planet are so big as to Jupiter.

(1×5 = 5 marks)

11. **Mark the accent on the words:**

11A. Elated

11B. Incidental

11C. Journey

11D. Minority

11E. Organization

(½×5 = 2½ marks)



MANIPAL UNIVERSITY
FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2013
SUBJECT: BSN 105 – PSYCHOLOGY (ESSAY)

Thursday, September 19, 2013

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

1. **Write short answers on:**

- 1A. What are the important components of experimental method?
- 1B. Explain James Lange theory of emotion.
- 1C. Application of classical conditioning.
- 1D. What is retroactive inhibition?
- 1E. What are non-verbal test of intelligence?

(3×5 = 15 marks)

2. **Very short answers.**

- 2A. Narrate about two branches of psychology.
- 2B. Describe the stages of critical thinking.
- 2C. What is problem solving?
- 2D. What are the types of memory?
- 2E. Write about Broadbent's filter theory.
- 2F. What is the role of genes in development?
- 2G. What is sensation?
- 2H. What is Muller Lyer illusion?
- 2I. Enumerate few uses of aptitude tests.
- 2J. What are the demerits of psychological tests?
- 2K. What are the two major kind of attitudinal change?
- 2L. Explain any three defense mechanism.
- 2M. What are the usefulness of psychology in practical life?
- 2N. What is Maslow's theory of human motivation?
- 2O. What is the Sheldon's classification of personality?

(2×15 = 30 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – SEPTEMBER 2013****SUBJECT: BSN 102 – NUTRITION AND BIOCHEMISTRY (ESSAY)**

Friday, September 20, 2013

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

✍ Answer Section – ‘A’ and Section – ‘B’ in two separate answer books.**SECTION – A : NUTRITION : 25 MARKS****1. Write short notes on the following:**

- 1A. Role of nutrition in maintaining health
- 1B. Functions Vitamin B₂ (Riboflavin)
- 1C. Importance of food standards
- 1D. Effects of excessive Fluorine in drinking water
- 1E. Dietary guidelines for a preschooler

(3×5 = 15 marks)

2. Write short notes on the following:

- 2A. Basal Metabolic Rate
- 2B. Pasteurization
- 2C. Any two methods of food storage
- 2D. Importance of Iodine deficiency control programme
- 2E. Foods to be avoided in peptic ulcer

(2×5 = 10 marks)

SECTION – B : BIOCHEMISTRY : 20 MARKS**3. Short answer questions:**

- 3A. Urea Cycle
- 3B. Creatinine clearance test
- 3C. Functions of calcium
- 3D. Rickets

(2×4 = 8 marks)

4. Short answer questions:

- 4A. Write the reactions of TCA cycle.
- 4B. List the functions of phospholipids.
- 4C. Classify enzymes. Give one example for each class.
- 4D. Classify proteins according to their function.

(3×4 = 12 marks)

