

**MANIPAL UNIVERSITY****FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2015****SUBJECT: BSN 103 – NURSING FOUNDATIONS (ESSAY)**

Friday, June 12, 2015

Time: 10:15 – 13:00 Hrs.

Max. Marks: 60

**Answer ALL questions.**

- 1A. Meaning of tube feeding.
- 1B. List the purposes of tube feeding.
- 1C. Explain the nurses responsibility in nasogastric tube insertion.

(1+3+9 = 13 marks)

- 2A. Describe the procedure of eye irrigation.
- 2B. Explain the nurses responsibility in the administration of eye drops.

(6+6 = 12 marks)

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

- 3A. Levels of communication by Powel
- 3B. Characteristics of respiration
- 3C. Components of nursing diagnosis
- 3D. Components of Self concept
- 3E. Theory of grief
- 3F. Factors influencing action of medications
- 3G. Role of a nurse in primary health care

(5 marks × 7 = 35 marks)



## MANIPAL UNIVERSITY

## FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2015

## SUBJECT: BSN 107 – ENGLISH

Saturday, June 13, 2015

Time: 10:00 – 13:00 Hrs.

Max. Marks: 75

✍ Answer ALL questions.

## 1. Rewrite as directed.

- 1A. She said, "I shall meet you tomorrow." (Change into indirect speech)  
 1B. He told me that I alone could speak to her. (Change into direct speech)  
 1C. They hung the traitors in Pakistan. (Write using a participle)  
 1D. The people elected him as their representative. (Change into passive)  
 1E. My purse has been stolen. (Change into active)  
 1F. Be honest \_\_\_\_\_ fear not. (Appropriate conjunction)  
 1G. Silk worms feed \_\_\_\_\_ mulberry trees. (Appropriate preposition)  
 1H. The sun shines \_\_\_\_\_. (Appropriate verb)  
 1I. \_\_\_\_\_ do you wish to see? (Appropriate interrogative pronoun)  
 1J. \_\_\_\_\_ books 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 martial arts. (whom, who)  
 1M. Where is the girl \_\_\_\_\_ money was lost? (use suitable pronoun)  
 1N. You are coming, \_\_\_\_\_. (Use appropriate question tag)  
 1O. During the night the water tank had \_\_\_\_\_. (overflown/overflowed)

(15 marks)

## 2A. Choose the correct synonym for the following words:

- i) Anger  
 a) Rude      b) Just      c) Rage      d) Temper
- ii) Extinguish  
 a) Empty      b) Terminate      c) Pale      d) Exit
- iii) Wonder  
 a) Ponder      b) Image      c) Happy      d) Lost

## 2B. Choose the right antonym for the following words:

- i) Extrovert  
 a) Disappointed      b) Thought      c) Out going      d) Shy
- ii) Tiresome  
 a) Dull      b) Bold      c) Smart      d) Energetic

(3+2 = 5 marks)

3. Read the following passage and answer the questions below:

**Summer Rain**

The worst days of any summer are the rainy ones. We spend all year looking forward to nice weather and long, hot days. All of winter, with its dreary gray days and bitter cold, we dream of those endless days at the beach, laying on the sand and soaking in the bright and burning sun. And then, summer comes, and it rains. As a child, I would wake up to rainy summer days and come close to crying. It wasn't fair. We suffered through months of school and miserable weather for those scant ten weeks of freedom and balmy weather. Any day that I could not spend at the beach or playing ball with my friends seemed like a punishment for something I didn't even do. On those rainy summer days, I had nothing fun to do and could only sit inside, staring out at the rain like a Dickensian orphan. I was an only child, so there was no one else to play with. My father worked from home, so I was not truly alone, but he could not actively play with me since he was technically at work. It was those days that I would resign myself to whatever was on television or any books that I could find lying around. I'd crawl through the day and pray each night that the rain would not be there the next day. As an adult, though, my opinion of summer rain has changed. When you have to work every day, summer is not as eagerly anticipated. Mostly, the days run together, bleeding into each other so that they no longer seem like separate entities and instead feel like continuations of the same long day. Everything seems monotonous and dull, and an ennui or listlessness kicks in. Such a mindset makes you cheer for anything new or different. I spend the winter dreaming of summer and the summer dreaming of winter. When summer comes, I complain about how hot it is. And then I look forward to the rain, because the rain brings with it a cold front, which offers a reprieve—admittedly one that is all too short—from the torture of 100° and humid days. Rainy days are still the worst days of the summer, but summer rain today means positively beautiful—and considerably cooler—weather tomorrow.

- 3A. The passage makes use of language that is
- i) Metaphorical
  - ii) Rhetorical
  - iii) Formal
  - iv) Ambiguous
- 3B. According to the passage, summer is different for adults because
- i) Rain brings with it cold temperatures for the following days
  - ii) The weather is much warmer than it is for children
  - iii) They do not get a long time off from work for the season
  - iv) They better know how to occupy their downtime
- 3C. According to the passage, which of the following is a true statement about the narrator as a child?
- i) He or she was often bored on summer days.
  - ii) He or she preferred cooler weather.

- iii) He or she liked staying indoors.
- iv) He or she had no siblings

3D. Compared to how he or she was as a child, the narrator as an adult is

- i) More realistic
- ii) Less excitable
- iii) More idealistic
- iv) Less calm

3E. As used in the final paragraph, the word reprieve most nearly means

- i) A permanent conclusion
- ii) A short continuation
- iii) A higher level of pain
- iv) A temporary break

3F. The author of this passage describes his or her feelings about rainy summer days. In general, how do you feel about such days? Do you agree with the author's opinions, or do you not mind this type of weather?

3G. In paragraph 4, the author describes why he or she no longer looks forward to summertime the way he or she used to do as a child. What do you think of this change? Do you believe that you will come to feel this way one day? Why or why not?

(1+1+1+1+1+2+3 = 10 marks)

4. Write a paragraph on any ONE in about 100 words:

The use of internet

OR

Spreading awareness on use of plastic bags.

(5 marks)

5. Write a letter of application to the following advertisement:

Wanted staff nurse with a minimum of 2 years experience to work in a Private Hospital-Lifeline in Mangalore. Apply with complete resume addressed to The Administrator, Lifeline, Mangalore-6.

(6+4 = 10 marks)

6. Write a **Precis of the following passage:**

It is physically impossible for a well-educated, intellectual, or brave man to make money the chief object of his thoughts just as it is for him to make his dinner the principal object of them. All healthy people like their dinners, but their dinner is not the main object of their lives. So all healthy minded people like making money ought to like it and enjoy the sensation of winning it; it is something better than money.

A good soldier, for instance, mainly wishes to do his fighting well. He is glad of his pay—very properly so and justly grumbles when you keep him ten years without it—till, his main mission of life is to win battles, not to be paid for winning them. So of clergymen. The clergyman's

object is essentially baptize and preach not to be paid for preaching. So of doctors. They like fees no doubt—ought to like them; yet if they are brave and well-educated the entire object to their lives is not fees. They on the whole, desire to cure the sick; and if they are good doctors and the choice were fairly to them, would rather cure their patient and lose their fee than kill him and get it. And so with all the other brave and rightly trained men: their work is first, their fee second—very important always; but still second.

(10 marks)

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

Global Warming

OR

My first year in MCON

(10 marks)

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

- a) Tick
- b) Tight
- c) Miracle
- d) Douse
- e) Pail

( $\frac{1}{2}$  marks  $\times$  5 = 2 $\frac{1}{2}$  marks)

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

- a) The later part of the book shows signs of hurry.
- b) I have an older sister.
- c) The poor woman did see happier days.
- d) Soya beans is at least as nutritious as meat.
- e) No other planet are so big as to Jupiter.

(5 marks)

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

- a) Belated
- b) Accidental
- c) Tourney
- d) Majority
- e) Generation

( $\frac{1}{2}$  marks  $\times$  5 = 2 $\frac{1}{2}$  marks)



**MANIPAL UNIVERSITY****FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – MAY/JUNE 2015****SUBJECT: INTRODUCTION TO COMPUTERS (BSN 108)**

Monday, May 25, 2015

Time: 10:00 – 10:30 Hr.

Max. Marks: 25

**✍ Answer ALL the Questions.****1. Choose the single best answer to each of the following:**

1A. 1 Kilo Byte is equivalent to

- a) 1000 bits                      b) 1024 bits  
c) 1048 bits                      d) None of the above

1B. All calculation and comparison takes place in the following unit of the computer.

- a) CPU                              b) Memory  
c) CU                                d) ALU

1C. \_\_\_\_\_ is an internal memory.

- a) Cache                            b) Magnetic disk  
c) Magnetic Tape                d) All the above

1D. Plotter is example for \_\_\_\_\_ device.

- a) Input                            b) Output  
c) Memory                        d) Drawing tool

1E. \_\_\_\_\_ memory retains data when the power supply is cut.

- a) RAM                              b) ROM  
c) Both                              d) None

1F. The default HTML document on any server is referred as \_\_\_\_\_.

- a) URL                              b) Home page  
c) Internet                         d) None of the above

1G. ISDN stands for \_\_\_\_\_

- a) International Service Digital Network  
b) International I Standard Digital Network  
c) Integrated Standard Digital Network  
d) Integrated Services Digital Network

1H. \_\_\_\_\_ is the process that creates a duplicate set of program or data files in case the original becomes damaged.

- a) Restore                        b) Copy  
c) Backup                         d) All the above

- 1I. \_\_\_\_\_ is the shortcut key to select whole document.
- a) Ctrl A                                  b) Ctrl S  
c) Ctrl D                                  d) Ctrl V
- 1J. Which of the following is the latest version of MS Office?
- a) MS Office 2013                      b) MS Office 2014  
c) MS office 2012                      d) MS Office 2010
- 1K. The '\*' wild card represents
- a) Single known character  
b) Single unknown character  
c) Any number of knows characters  
d) Any number of unknown characters
- 1L. \_\_\_\_\_ is the command to clear the screen in DOS.
- a) Clear                                  b) Cls  
c) ClScr                                  d) Delete
- 1M. \_\_\_\_\_ Package supports automatic recalculations, graphs, functions & Analysis of numerical data.
- a) Windows                              b) Excel  
c) Internet                                d) All the above
- 1N. Which of the following does not belong to the group?
- a) Internet Explorer                    b) Opera  
c) Google Chrome                      d) World Wide Website
- 1O. Acronym of HTTP is
- a) Hyper Text Transmission Protocol  
b) Hyper Text Transfer Program  
c) Hyper Text Transfer Protocol  
d) Hyper Text Transmission Program

(1 mark  $\times$  15 = 15 marks)

2. **Short answer questions:**

- 2A. Write the characteristics of the computer.  
2B. Write a short note of "Computer Virus".  
2C. What is booting? Explain the types of booting.  
2D. What are the various components of Multimedia?  
2E. How Computer is helpful in Nursing?

(2 marks  $\times$  5 = 10 marks)



**MANIPAL UNIVERSITY****FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2015****SUBJECT: BSN 105 – PSYCHOLOGY (ESSAY)**

Wednesday, June 17, 2015

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

✍ **Answer ALL the questions.**

**1. Write very short notes on:**

- 1A. Projective tests
- 1B. Principle of figure ground relationship
- 1C. Psychological aspects of nursing
- 1D. Branches of psychology
- 1E. Concept of mental health
- 1F. Steps of problem solving
- 1G. Reasoning
- 1H. Span of attention
- 1I. Learning
- 1J. Differentiate between id and super ego
- 1K. Aptitude
- 1L. Differentiate non-volitional and volitional attention
- 1M. Attitude
- 1N. Defense mechanisms
- 1O. Perception

(2 marks × 15 = 30 marks)

**2. Write Short notes on:**

- 2A. Theories of forgetting
- 2B. Principles of classical conditioning
- 2C. Cannon Bard theory of emotion
- 2D. Merits and demerits of introspection method
- 2E. Types of intelligence test

(3 marks × 5 = 15 marks)





**MANIPAL UNIVERSITY****FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2015****SUBJECT: BSN 102 – NUTRITION AND BIOCHEMISTRY (ESSAY)**

Friday, June 19, 2015

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. Elements of nutrition
- 1B. Functions of Vitamin B<sub>1</sub> (Thiamine)
- 1C. Any three methods of food preservation
- 1D. Factors affecting Iron absorption
- 1E. Budgeting of food

(3 marks × 5 = 15 marks)

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

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

(2 marks × 5 = 10 marks)

**SECTION – B : BIOCHEMISTRY : 20 MARKS****1. Short answer questions.**

- 1A. Define transamination & give one example. Add a note on its significance
- 1B. Name 2 reactions where a mineral is required
- 1C. What is the active metabolite of Vitamin D? What are its functions?
- 1D. i) Define clearance. What is its significance?  
ii) Name one liver function test each, to assess synthetic function and detoxification function

(2 marks × 4 = 8 marks)

**2. Short answer questions:**

- 2A. Define gluconeogenesis. Give the key enzymes with the reaction catalysed by them Add a note on the significance.
- 2B. Give the reactions of beta oxidation of fatty acid.
- 2C. Name 2 enzymes, each for, diagnostic and therapeutic use.
- 2D. i) Name 3 special compounds formed from glycine.  
ii) Name the biochemical defect in phenylketonuria and alkaptonuria.

(3 marks × 4 = 12 marks)



**MANIPAL UNIVERSITY****FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2015****SUBJECT: BSN 101 – ANATOMY AND PHYSIOLOGY (ESSAY)**

Tuesday, June 23, 2015

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

- ✍ Answer Section 'A' and Section 'B' in two separate answer books.
- ✍ All questions are compulsory.
- ✍ Illustrate your answers with diagrams and flow charts wherever appropriate

**SECTION "A": ANATOMY: 22 MARKS****1. Write brief note on:**

- 1A. Right lung
- 1B. Pancreas
- 1C. Male urethra
- 1D. Uterus

(3 marks × 4 = 12 marks)

**2. Write short notes:**

- 2A. Enumerate the parts of the digestive system
- 2B. Enumerate the bronchopulmonary segments of the right lung
- 2C. Posterior relations of the right kidney
- 2D. Name the hormones secreted by the pituitary gland
- 2E. Coats of the eyeball

(2 marks × 5 = 10 marks)

**SECTION "B": PHYSIOLOGY: 23 MARKS****1. Write briefly on:**

- 1A. Location and functions of hypothalamus
- 1B. Respiratory muscles
- 1C. Micturition

(3 marks × 3 = 9 marks)

**2. Answer the following in short:**

- 2A. Draw and describe the skeletal muscle fiber.
- 2B. What is sweating? Mention its role in thermoregulation.
- 2C. Name the hormone that has profound influence on skeletal growth. Name ONE disorder of secretion of this hormone.
- 2D. *Chronic Obstructive Pulmonary Disease* (COPD) is a common respiratory disorder characterized by '*dyspnea*' and '*hypoxia*' - explain these terms.
- 2E. Mention the functions of capillaries and veins.
- 2F. Mention the functions of testes.
- 2G. Define '*digestion*' and '*absorption*' of food. Mention ONE consequence of defective digestion of dietary fat.

(2 marks × 7 = 14 marks)



## MANIPAL UNIVERSITY

FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2015

SUBJECT: BSN 106 – MICROBIOLOGY (ESSAY)

Monday, June 15, 2015

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

- ✍ Answer ALL the questions.
- ✍ Write answers that are clear, relevant and legible.
- ✍ Illustrate your answers with neatly drawn and correctly labeled diagram wherever appropriate.

1. Write short answers on:

- 1A. Write two contributions of Robert Koch.
- 1B. List two examples for gram negative bacilli.
- 1C. Write two uses of hot air oven.
- 1D. Name two virulence factors produced by *Pneumococcus*.
- 1E. List four organisms causing food poisoning.
- 1F. List two infections caused by *Candida*.
- 1G. Enumerate four infections caused by *Staphylococcus aureus*.
- 1H. Write two methods for laboratory diagnosis of Dermatophytosis.
- 1I. List two serological tests for diagnosis of syphilis.
- 1J. Give two examples for type IV hypersensitivity reaction.
- 1K. Give two examples for DNA viruses.
- 1L. Name any two parasites causing anemia.
- 1M. Write two examples for bile stained eggs.
- 1N. Name two vaccinations against Polio.
- 1O. Name two diseases caused by *E.coli*.

(2 marks × 15 = 30 marks)

2. Write short answers on:

- 2A. Write a note on autoclave.
- 2B. Write briefly about the laboratory diagnosis of tetanus.
- 2C. Describe in short the morphology and clinical feature of *Cryptococcus neoformans*.
- 2D. Describe the life cycle of *Ascaris lumbricoides*.
- 2E. Laboratory diagnosis of Hepatitis B virus infection.

(3 marks × 5 = 15 marks)

