

2A. Identify the appropriate **synonym** given for the following words:

i) **slumber**

- a) serious b) pervade c) sleep d) persist

ii) **ailment**

- a) sickness b) suffering c) relaxation d) development

(2 marks)

2B. Identify the appropriate **antonym** given for the following words:

i) **courteous**

- a) negligent b) rude c) pleasant d) anxious

ii) **feeble**

- a) pathetic b) curious c) weak d) strong

(2 marks)

2C. Choose the correct word from the brackets:

i) The director gave his _____ to the proposal. (ascent / assent)

ii) An announcement about his resignation is _____ (imminent / eminent)

iii) I met her again three years _____ (later / latter)

(3 marks)

2D. Choose the correct phrasal verb from the brackets and fill the gap:

i) Who is going to _____ the children while you are away? (look after / look into)

ii) He _____ most of his money to charity. (gave up / gave away)

iii) The stadium was completely filled and hundreds of people were _____ from the stadium.
(turned away / turned up)

(3 marks)

3A. Transcribe the following words phonemically:

i) ADVICE

ii) CAREER

iii) WOMB

iv) DISEASE

v) LOUD

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

3B. Mark the primary accent on the following words:

i) Expectation

ii) Simplicity

iii) Guard

iv) Preparation

v) Design

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

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4A. **Read the following passage and answer the questions set on it:**

Food poisoning is one of the commonest and most widespread ailments of human history. Irrespective of the country, food system or climate, it takes its toll on the human digestive history, every year.

Food borne illnesses are more common than we know. Most of us think it is the kind of ailment that strikes 'other' people, and because we keep hygienic eating habits, we are safe. But not many of us know that food poisoning can be caused by various factors outside our control. Many of these factors are introduced in the food chain during its manufacture or cultivation, some others during its packing and preservation and many more during its retail handling, storing or even end use (which means us!!).

The cause behind these attacks could be chemicals, heavy metals, parasites, fungi, viruses and bacteria, but each is as harmful as the other. The most common cause could well be identified as bacteria or fungus growth, microscopic in nature hence not easily detectable and the surprising thing is that it does not have to be filthy conditions or faulty storage only that triggers these. Among the bacterial culprits, the major villains are Staphylococcus aureus, Salmonella, Clostridium perfringens, Campylobacter, Listeria monocytogenes, Vibrio parahaemolyticus, Bacillus cereus, and Enteropathogenic Escherichia coli. These together are the cause of almost 90% of all food poisoning in the world.

The presence of these bacteria is most common in raw food so in theory, food poisoning can be controlled if this load is controlled, reduced and prevented from re-contaminating. In practical situations, it is not always as easily done.

In most cases, bad handling, unhygienic preparation and contaminating utensils cause contamination to grow uncontrollably, especially in meats and meat products, where the contamination between raw and cooked foods can prove fatal.

An important thing to avoid is storage of food at day temperatures (between 40⁰ F and 60⁰ F), for long hours, and then even the most meticulously prepared food can be affected by bacterial overload. In common parlance, it can be said to start going stale, and eventually rotting. In highly flavored foods the initial stages of turning stale may not be easy to detect, and that's the weak point.

Food poisoning is most likely to attack persons with lowered immunity defenses, like young or newborn children, the elderly or pregnant women. It is advisable to attend to their symptoms immediately.

The earliest recognizable symptoms of food poisoning are abdominal pains, diarrhea, vomiting, nausea and fever. However, the slightest hint of any of these symptoms should trigger an alarm in a healthy person. Sometimes, as the toxins are flushed out of the body, the poisoning takes care of itself, at other times; it is advisable to consult a medical practitioner before matters get out of hand. A rapidly strengthening bacterial attack can even prove fatal, so proper care needs to be taken.

Questions:

Choose the most appropriate answer from the given choices:

- i) Which of the following is true according to the passage?
 - a) Food poisoning depends on climatic variation
 - b) Food poisoning is limited to certain countries
 - c) Food poisoning is a universal phenomenon.
 - d) None of the above

- ii) We will never be affected by food poisoning if we keep hygienic eating habits.
 - a) **True**
 - b) **False**

- iii) Food poisoning can be caused by the following factors:
 - a) Chemicals
 - b) Fungi
 - c) Bacteria
 - d) All of the above

- iv) In majority of cases food poisoning is caused by
 - a) Chemicals
 - b) Bacteria and fungus growth
 - c) Heavy metals
 - d) All of the above

- v) The bacteria that causes food poisoning is mainly found in
 - a) Raw food
 - b) Cooked food
 - c) Stored food
 - d) None of the above

- vi) Which of the following increases the chance of food poisoning?
 - a) Overheating of food
 - b) Unhygienic preparation
 - c) Use of aluminum utensils
 - d) None of the above

- vii) Highly flavored foods
 - a) Become stale very easily
 - b) Do not become stale
 - c) Become stale but the staleness is not easily detected in the beginning
 - d) Become stale and the staleness is easily detected in the beginning

viii) Of the following, who are less likely to be attacked by food poisoning?

- a) Newborn children
- b) Pregnant women
- c) Teenagers
- d) All of the above

ix) Which of the following is **not a symptom** of food poisoning?

- a) Vomiting
- b) Fever
- c) Headache
- d) Diarrhea

x) Food poisoning might be fatal in some cases

- a) True
- b) False

(1 mark × 10 = 10 marks)

4B. Write a paragraph in your own words (not more than 100 words) on what measures can be taken to prevent food poisoning in your house.

(1 mark × 5 = 5 marks)

5. You wish to do your post graduation in Nursing in abroad. A famous university in the USA offers scholarships to the Indian students to pursue their nursing career.

Write a letter of application to the Dean, Student Affairs, XYZ University, New York, seeking admission to the PG course.

You must also prepare a resume' / CV to be sent along with the application.

(6+4 = 10 marks)

6. **Make a précis (summary) of the following passage and suggest a suitable title to it:**

A special day for the celebration of mothers can be traced to the times of ancient Greece when tribute was paid to Rhea, the mother of many of the Greek gods.

Early Christians also paid tribute to Mary, the mother of God, during Lent. This tribute evolved into "Mothering Sunday" in England. "Mothering Sunday" is a celebration of all mothers, and is observed on the fourth Sunday of Lent.

In 1872, in America, Julia Ward Howe, the author of "The Battle Hymn of the Republic", suggested the idea of Mother's Day. However, Anna Jarvis is credited with creating Mother's Day in 1905. Anna Jarvis campaigned for Mother's Day as a tribute to her mother, who had tried to establish Mother's Friendship Day to help heal the scars of the Civil War in America.

In 1910, West Virginia became the first state to adopt a formal holiday to recognize mothers. A year later, nearly every state officially marked the day of celebration. In 1914, President

Woodrow Wilson proclaimed Mother's Day as a national holiday, to be held on the second Sunday of May.

Today, Mother's Day is celebrated in many countries throughout the world, although the celebrations do not fall on the same day in every country. Mother's Day is celebrated in various ways, depending on the country, the family, and the mother. Many families honor mothers by dining out, giving flowers, sending cards, giving gifts, and visits. Additionally, Mother's Day is reported to be one of the busiest days of the year for telephone calls.

Mother's Day should be every day. Mothers nurture us, teach us, protect us, and make us feel special. Mothers are the people in our lives who are most responsible for the way we grow and mature.

(10 marks)

7. Write an essay on **any ONE** of the following in about 300-400 words:

- 7A. Indian Youth is Adversely Affected by the Western Culture
- 7B. Pollution Problems in India
- 7C. My School Life

(10 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2014****SUBJECT: BSN 101 – ANATOMY AND PHYSIOLOGY (ESSAY)**

Tuesday, June 17, 2014

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. Uterine tube
- 1B. Duodenum
- 1C. Posterior relations of right kidney
- 1D. Interior of larynx

(3 marks × 4 = 12 marks)

2. Write short notes on each of the following:

- 2A. Urothelium
- 2B. Coronary arteries
- 2C. Extrinsic muscles of tongue
- 2D. Neurohypophysis
- 2E. Microscopic structure of lung

(2 marks × 5 = 10 marks)

SECTION "B": PHYSIOLOGY: 23 MARKS

3. Write briefly on:

- 3A. Regulation of heart rate
- 3B. Cause and features of 'Diabetes melitus'
- 3C. Functions of CSF

(3 marks × 3 = 9 marks)

4. Answer the following in short:

- 4A. What is the normal hemoglobin content in blood? Name the condition when its levels fall below normal.
- 4B. Draw a neat labeled diagram of a sarcomere.
- 4C. Name the inspiratory muscles in quiet breathing.
- 4D. Give TWO functions of Secretin.
- 4E. Name any TWO hormones acting on the nephron. Give the function of any ONE of them.
- 4F. Give any ONE function of each of the following hormones:
 - i) Oxytocin
 - ii) Human Chorionic Gonadotropin
- 4G. Give any TWO functions of the middle ear.

(2 marks × 7 = 14 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2014****SUBJECT: BSN 106 – MICROBIOLOGY (ESSAY)**

Thursday, June 19, 2014

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

✍ Answer ALL questions.**1. Answer the following questions:**

- 1A. Mention the four stages in bacterial growth curve.
- 1B. Give four examples for bacteriological culture media.
- 1C. Name any four common disinfectants used in hospitals.
- 1D. Enumerate any four diseases caused by *Staphylococcus aureus*.
- 1E. Name the two non suppurative diseases caused by *Streptococcus pyogenes*.
- 1F. Name any four serological tests used for the diagnosis of Syphilis.
- 1G. Name any four infections caused by Dermatophytes.
- 1H. Name any four methods used to detect the growth of viruses in cell culture.
- 1I. Name any four arbo viral diseases seen in India.
- 1J. Enumerate complications of falciparum malaria.
- 1K. Give any four examples for intestinal nematodes.
- 1L. Name any two vector borne parasitic diseases with the name of vectors.
- 1M. Name the four types of hypersensitivity reactions.
- 1N. Mention any four serological markers for Hepatitis B.
- 1O. Name any four vaccines received by a child in India.

(2 marks × 15 = 30 marks)

2. Answer the following questions:

- 2A. Antibiotic sensitivity testing by disc diffusion method
- 2B. Biomedical waste management
- 2C. Immunoprophylaxis of tuberculosis
- 2D. Cysticercosis
- 2E. Define immunity and add a note on artificial active immunity.

(3 marks × 5 = 15 marks)



MANIPAL UNIVERSITY**FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2014****SUBJECT: BSN 105 – PSYCHOLOGY (ESSAY)**

Saturday, June 21, 2014

Time: 10:30 – 13:00 Hrs.

Max. Marks: 45

1. Short answers.

- 1A. What are the demerits of observation method?
- 1B. What are the basic emotions?
- 1C. Schedules of reinforcement
- 1D. What is Magical number?
- 1E. Define Intelligence.

(3 marks × 5 = 15 marks)

2. Very short answers.

- 2A. Write about scope of psychology
- 2B. Define thinking
- 2C. Define learning
- 2D. Define memory
- 2E. Write a definition of attention
- 2F. What are identical twins?
- 2G. Draw the structure of Human Eye
- 2H. What is pitch perception?
- 2I. What is an aptitude?
- 3J. What is psychological assessment?
- 3K. What is attitude?
- 3L. What are the characteristics of mentally healthy persons?
- 3M. Mention any two application of psychology in the field of nursing
- 3N. What is motivation?
- 3O. Define Personality.

(2 marks × 15 = 30 marks)



MANIPAL UNIVERSITY

FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2014

SUBJECT: BSN 102 – NUTRITION AND BIOCHEMISTRY (ESSAY)

Tuesday, June 24, 2014

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 answers for each of the following:**

- 1A. Prevention of food and adulteration (PFA) act 1954
- 1B. Beri-beri
- 1C. Calcium homeostasis
- 1D. Methods of safe food handling
- 1E. Plan a menu for an adolescent girl

(3 marks × 5 = 15 marks)

2. **Write short answers for each of the following:**

- 2A. Factors affecting Basal Metabolic Rate (any **FOUR**)
- 2B. Food storage
- 2C. Define therapeutic diet
- 2D. Methods of nutritional assessment (any **TWO**)
- 2E. Balwadi nutrition programme

(2 marks × 5 = 10 marks)

SECTION – B : BIOCHEMISTRY : 20 MARKS

3. **Short answer questions.**

- 3A. Name the biochemical defect in:
 - i) Alkaptonuria
 - ii) Phenyl ketonuria
- 3B. Name one enzyme each which contains:
 - i) Copper
 - ii) Molybdenum
- 3C. Name one test each to evaluate the following liver function:
 - i) Excretion
 - ii) Detoxification
- 3D. What is the active form of vitamin D? Give one function of vitamin D.

(2 marks × 4 = 8 marks)

4. **Short answer questions:**

- 4A. What is gluconeogenesis? Write the key reactions of gluconeogenesis.
- 4B. Write reactions of ketogenesis.
- 4C. What is competitive inhibition? Give two examples for its clinical applications.
- 4D. Describe urea cycle.

(3 marks × 4 = 12 marks)



MANIPAL UNIVERSITY

FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – MAY/JUNE 2014

SUBJECT: INTRODUCTION TO COMPUTERS (BSN 108)

Monday, May 26, 2014

Time: 10:00 – 10:30 Hr.

Max. Marks: 25

✍ Answer ALL the Questions.

1. Choose the single best answer to each of the following question:

1A. _____ bits is one byte.

- a) 5 b) 4 c) 3 d) 8

1B. _____ is range of values that 4 bit binary number can contain.

- a) 0-15 b) 0-16 c) 0-32 d) 0-4

1C. _____ transfers data and instructions from one device to another in computer.

- a) Bus b) ROM c) CPU d) RAM

1D. The instructions for starting the computer are housed on

- a) Random access memory b) CD-Rom
c) Read only memory chip d) All of above

1E. Which of the following terms is the most closely related to main memory?

- a) Non volatile b) Permanent c) Control unit d) Temporary

1F. Which of the following items are examples of storage devices?

- a) Floppy / hard disks b) CD-ROMs
c) Tape devices d) All of the above

1G. What are the decisions making operations performed by the ALU of a computer?

- a) Greater than b) Less than c) Equal to d) All of the above

1H. Which operation you will perform if you need to move a block of text in MS Word?

- a) Copy and Paste b) Cut and Paste
c) Paste and Delete d) Paste and Cut

1I. What is the extension of Word files?

- a) FIL b) DOT c) DOC d) TXT

1J. Which of the following option is not available in Insert >> Picture?

- a) Chart b) Word Art c) Clip Art d) Graph

- 1K. The function to find sum of range of cells from F2 to F10 is
a) sum(F2:F10) b) sum(F2#F10) c) sum(f2tof10) d) sum(F2: F10)
- 1L. Which of the following should be used when you want to add a slide to an existing presentation?
a) File, add a new slide b) Insert, New slide
c) File Open d) File, New
- 1M. The MS Dos command to change directory is
a) cd b) chadir c) changedir d) none
- 1N. Netscape, internet explorer are called as
a) Website b) cyberspace c) web browser d) none
- 1O. The unique name given to the web site is
a) Domain Name b) IP name c) Web Browser d) Web Page
(1 mark × 15 = 15 marks)

2. **Short answer questions:**

- 2A. Explain usage of computer in Nursing clinical practice.
- 2B. How advantageous is internet shopping?
- 2C. Mention essential computer components to support modern day multimedia.
- 2D. Mention two key differences between RAM and Secondary memory.
- 2E. Write any four advantages of computerized hospital management system.
(2 marks × 5 = 10 marks)



MANIPAL UNIVERSITY

FIRST YEAR B.Sc. NURSING DEGREE EXAMINATION – JUNE 2014

SUBJECT: BSN 103 – NURSING FOUNDATIONS (ESSAY)

Thursday, June 26, 2014

Time: 10:15 – 13:00 Hrs.

Max. Marks: 60

✍ **Answer ALL questions.**

- 1A. List the indications of oxygen administration.
- 1B. Describe the oxygen delivery devices.
- 1C. Explain the hazards of oxygen administration.

(3+4+6 = 13 marks)

- 2A. State the meaning of intradermal injection.
- 2B. Explain the procedure of intradermal injection.

(2+10 = 12 marks)

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

- 3A. Levels of communication
- 3B. Implementation phase of nursing process
- 3C. Role of nurse in infection control
- 3D. Methods of physical examination
- 3E. Health illness continuum
- 3F. Factors affecting fluid and electrolytes imbalance
- 3G. Role of nurse in post operative phase

(5 marks × 7 = 35 marks)

