

B. Sc. NURSING FIRST YEAR SUPPLEMENTARY EXAMINATION, MARCH 2016

**ANATOMY & PHYSIOLOGY
PAPER – FIRST**

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A

Q. 1. Write Short Answer on **ALL** of the following:

(5 x 2 = 10)

- a. Lymph node
- b. Cardiac Output
- c. Synovial Joint
- d. Epidermis
- e. Vital Capacity

SECTION – B

Q. 2. Write Short Notes on **ANY NINE** of the following.

(9 x 5 = 45)

- a. Physiology of Hearing
- b. Labelled Structure of Heart
- c. Physiology of Respiration
- d. Labelled structure of Kidney
- e. Functions of accessory organs of Digestion
- f. Chemical Digestion in Small Intestine
- g. Well Labelled Structure of Cell
- h. Regulation of Blood Pressure
- i. Structure of Mammary Gland
- j. Functions of Pituitary gland

SECTION – C

Attempt **ANY TWO** of the following.

Q. 3. a) Define Long Bone.

(2+3+5 = 10)

b) Enlist the bones in Axial Skeleton

c) Write the process of Bone formation

Q. 4. a) Define Digestion

(2+8 = 10)

b) Write down the functions of Liver.

Q. 5. Define Neuron. Enlist the types of Neuron with diagram. Write functions of CSF.

(2+3+5 = 10)

[Max Marks: 75]

Draw suitable diagrams wherever necessary.

SECTION – A

(5 x 2 = 10)

i) outcome ii) discouraged

i) coarse ii) foreign iii) timid iv) reckless

i) I was not well. I did not study.
ii) You will fail. You must study hard.

i) The patient was admitted _____ a hospital _____ the market. He was unable to walk as he had fractured his leg. His brother went _____ him so that he could be _____ some help.

i) We went to Manali so that.....

ii) Although the sea was rough.....

SECTION B

(9 x 5 = 45)

i) to be on the cards iv) live a dog's life
ii) by hook or by crook v) a feather in the cap
iii) be up in arms

- i) You are angry with me aren't you
- ii) We need an MA and B.Ed. to teach history
- iii) The manager said we need only experienced people
- iv) The trains on this route are fast comfortable and good
- v) Deepti said why didn't you complete your work

- The meeting starts within an hour. (To Present Continuous)
- We were studying all evening. (To Present Tense)
- Your son is playing in the field. (To Future Perfect Continuous)
- The explorers are freezing to death. (To Future Perfect)

v) Rehana completes her assignment. (To Past Perfect)

e) Rewrite the following sentences changing the verbs into Past Tense.

- i) The officer orders all those who feel afraid of death to return to the trenches.
- ii) I wonder what he has done with the money he has.
- iii) She cannot cook unless she has a good fire.
- iv) A horseman rides past and sees what they are doing.
- v) He behaves nicely at the table, talks gently and tries to be polite in every way.

f) Change as directed :-

- i) Santro is one of the most efficient cars. (To Comparative Degree)
- ii) What amazing tricks the magician performed. (To Assertive Sentence)
- iii) I will do anything to make you happy. (To Interrogative Sentence)
- iv) As soon as the child saw its mother , he started crying. (To Negative Sentence)
- v) He is too polite to annoy anybody. (Remove 'too' and rewrite the sentence)

g) Make two new words each with the following suffixes :-

- i) dom ii) ship iii) less iv) ful v) wise

h) Make sentences to show the difference in meaning of :-

- i) Bare, bear
- ii) advice, advise
- iii) apposite, opposite
- iv) Angel, angle
- v) check, cheque

i) Write a precis of 60 words for the given passage and give a title also :-

Teaching is the noblest of all professions. A teacher has a sacred duty to perform. It is he on whom rests the responsibility of moulding the character of young children. Apart from developing their intellect, he can inculcate in them qualities of good citizenship, remaining neat and clean, talking decently and sitting properly. These virtues are not easy to be imbibed. Only he who himself leads a life of simplicity, purity and rigid discipline can successfully cultivate these habits in his pupils. Besides, a teacher always remains young. He may grow old in age, but not otherwise. Perpetual contact with budding youth keeps him happy and cheerful. There are moments when domestic worries weigh heavily on his mind, but the delightful company of innocent children makes him overcome his transient moods of despair.

j) Write on any one of the given topics :-

Smoking should be banned by law. Comment.

Or Major problems faced by our country

Q. 3. Read the passage carefully and answer the questions that follow :-

The day started out hot and humid, just like any other typical day in Hong Kong. Everyone seemed to be in a rush to go somewhere, elbowing and jostling around. Ai Ling was standing around with a small metal tin in her hand. Every few minutes, she would be walking around and shaking the tin to rattle the few coins that were already inside. Everyone avoided her like the plague.

No, Ai Ling was not a beggar. She was one of the many pupils dotted all around Hong Kong today, selling flags for a charitable cause. It depressed her to see how miserly Hong Kongers were. From afar, people would spot her with the foreboding tin and veer away from her direction. Others would walk past, avoiding eye contact. It made her wonder, "Since when did Hong Kongers become such self-absorbed people?" With a sign, she continued her **task**.

By mid-day, Ai Ling was drained. Her stomach was also starting to growl. The sweltering heat only made things worse. She decided to take a break and have her lunch. There was a fast food restaurant nearby. The cool blast of air as she entered was a welcoming treat. She quickly bought her food and sat down to enjoy both the food and the air-conditioning. She wished she could just sit in there for the rest of the day. However, she knew that **it** would not be right. She had a duty to perform. After finishing her lunch, Ai Ling continued sitting for just a little longer before reluctantly dragging herself out into the streets again.

For the next three hours, Ai Ling trawled the streets hoping to meet people who might be willing to part with a few coins. Ironically, Ai Ling realized that she had actually collected more money from tourists than from the locals themselves. What a shame ! Thankfully, she still managed to fill up most of her metal tin. She felt rather pleased with her achievement, considering what a tough crowd she had faced the whole day. Ai Ling then told herself that the next time she saw someone else selling flags in the streets, she would make it a point to donate something, even if it was only a token amount. After all, she knew exactly what they were going through.

- i) Quote the sentence in paragraph one which shows that no one wanted to go near Ai Ling .
- ii) What does the 'task' in paragraph two refer to ?
- iii) What were the two actions of the people who saw Ai Ling ?
- iv) How was Ai Ling feeling by mid-day ?
- v) What was Ai Ling's 'achievement' and what did she decide to do at the end of the day ?

Q. 4. Write an application on any one of the given topics :-

- i) To the Editor of a newspaper writing about the evils of begging on the streets.
- ii) To the Principal of your College apologizing for your unacceptable behavior at a College event

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B.Sc NURSING FIRST YEAR SUPPLEMENTARY EXAMINATION, MARCH - 2016
INTRODUCTION TO COMPUTER
PAPER – THIRD

[Time allotted: Three hours]**[Max Marks: 75]****Note:** Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A

Q. 1. Attempt all the questions in this section :**(10 x 1 = 10)**

- a) RAM is volatile (T/F).
- b) DOS stands for.....
- c) Ctrl+B shortcut key is used for.....
- d) Monitor is software (T/F).
- e) Ctrl+P shortcut key is used for:
- f) WAN stands for.....
- g) BIOS stands for.....
- h)is used as an input & output devices in 1st generation of computer.
- i) Shortcut key for cut one cell in M.S. Excel.....
- j) What does 'BCC' termed in e-mail?

SECTION - B

Q. 2. Attempt **ANY NINE** questions from the following :**(9 x 5 = 45)**

- a) What is Operating System?
- b) Explain input and output unit of computer.
- c) What are the different elements of Multimedia? Explain with example.
- d) Explain Different types of computer.
- e) Explain CPU, ALU, CU.
- f) Explain computer hardware and software with example.
- g) What are the different M.S. Office packages?
- h) Explain Copy con, type, dir, date, ren commands with their purpose and also write their syntax.
- i) What is the extension of following:
 - i. Word file.
 - ii. Excel file.
 - iii. Access file.
 - iv. Power Point file.
 - v. Note Pad file
- j) Explain M.S. Word with example.

SECTION – C

Q. 3. Write on ANY TWO of the given topics :

(2 x 10 = 20)

- a)** What is network? Explain different types of networks with example.
- b)** Explain different generations of computer.
- c)** What is Computer? Explain block diagram of computer.
- d)** What is shortcut keys of following?
 - i)** Open find box.
 - ii)** Cut & Copy of selected.
 - iii)** Switch between open applications.
 - iv)** Redo the last action performed.
 - v)** Insert new worksheet.
 - vi)** Open new/blank document.
 - vii)** Open the print window.
 - viii)** Bold highlighted selection.
 - ix)** Italicize (Italic) highlighted selection.
 - x)** Close current open program.

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B. SC. NURSING FIRST YEAR SUPPLEMENTARY EXAMINATION, MARCH 2016

**MICROBIOLOGY
PAPER – FOURTH**

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all Sections.

Draw suitable diagrams wherever necessary.

Instructions: Attempt ALL three sections

SECTION – A

1. Write short answers on all of the following

5x2=10

- a) Chemotherapy.
- b) Mycology.
- c) Parasite.
- d) Antigen.
- e) Re-infection.

SECTION – B

2. Write short notes on ANY NINE of the following.

9x5=45

- a) Immunity.
- b) Structure of bacteria.
- c) Acid fast staining.
- d) Sources of infection.
- e) Chlamydia.
- f) Handling and transportation of various specimens.
- g) Importance of microbiology in nursing.
- h) Agglutination reaction.
- i) Immunization schedule.
- j) Hospital acquired infection.

SECTION – C

Attempt ANY TWO of the following.

2x10=20

3. Define sterilization. Enlist the physical methods of sterilization and discuss autoclave in detail. **(2+3+5=10)**
4. List down factors affecting growth of microbes. Discuss the physical factors in detail. **(4+6=10)**
5. Define vaccine. Discuss types of vaccines and describe cold chain. **(1+5+4=10)**

B. Sc. NURSING FIRST YEAR SUPPLEMENTARY EXAMINATION,

MARCH 2016

NURSING FOUNDATION

PAPER – FIFTH

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A

Q. 1. Write short answers on all of the following

(5x2=10)

- a) Health
- b) Ethics
- c) Hyperthermia
- d) Bradycardia
- e) Binders

SECTION – B

Q. 2. Write short notes on ANY NINE of the following.

(9x5=45)

- a) Determinants of health
- b) Functions of a Nurse
- c) Types of discharge
- d) Importance of communication in health
- e) Factors affecting nursing process
- f) Methods of health assessment
- g) Characteristics of pulse
- h) Role of nurse in providing safe and clean environment
- i) Acid-base alterations
- j) Routes of administering medication

SECTION – C

Attempt ANY TWO of the following.

(2x10=20)

Q. 3. Define documentation. Write the importance of records and reports in health care setting.

(2+8=10)

Q. 4. Define bed making. Write the procedure of making and articles of a post-operative bed.

(2+8=10)

Q. 5. Define wound. Enlist the types of wound and write the phases of wound healing.

(2+3+5=10)

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B. Sc. NURSING FIRST YEAR SUPPLEMENTARY EXAMINATION, MARCH 2016**NUTRITION & BIOCHEMISTRY
PAPER – SIXTH****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all Sections.

Draw suitable diagrams wherever necessary.

PART- A- NUTRITION (45)**SECTION – A****Q. 1. Write Short Answers on ALL of the following: (5 x 2 = 10)**

- a) Definition of Carbohydrates
- b) Definition of Nutrition
- c) Measurement of Energy
- d) Three factors affecting BMR
- e) Name of International Agencies promoting nutrition education

SECTION – B**Q. 2. Write Short Notes on ANY FIVE of the following. (5 x 5 = 25)**

- a) Various factors affecting food & nutrition including cultural factors
- b) Difference between Kwashiorkor and Marasmus
- c) Definition and nutritional management of Protein Energy Malnutrition(PEM)
- d) Functions of vitamin D and its deficiency disorders
- e) Importance of nutrition in nursing
- f) Vitamin A prophylaxis programme in India.

SECTION – C**Q. 3. Define balanced diet. Discuss the importance of diet for a hypertensive patient and plan a well balanced diet menu for such a patient. (2+3+5 = 10)****PART- B- BIOCHEMISTRY (30)****SECTION – A****Q. 4. Write Short Notes on the following: (4 x 5 = 20)**

- a) Diffusion and osmosis
- b) Anomers and Epimers
- c) Phospholipids and Prostaglandins.
- d) Free radicals and antioxidants

SECTION – BAttempt **ANY ONE** of the following:

- Q. 5. a) What is the normal Fasting blood glucose level? How is it regulated? (10)**
- b) Describe the beta oxidation of fatty acids. What are the co-enzymes required for beta-oxidation and in which steps? (10)**
- b) Define enzymes. Write the major classes of enzymes, giving one example of each. (10)**

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B. Sc. NURSING FIRST YEAR SUPPLEMENTARY EXAMINATION, MARCH 2016**PSYCHOLOGY
PAPER – SEVENTH****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write Short Answers on **ALL** of the following:**(5 x 2 = 10)**

- a) Psychology
- b) Guidance
- c) Observation
- d) Learning
- e) Clinical Psychology

SECTION – B**Q. 2.** Write Short Notes on **ANY NINE** of the following.**(9 x 5 = 45)**

- a) Branches of Pure Psychology
- b) Body-Mind Relationship
- c) Topography of Mind
- d) “Mentally Healthy people can meet their life demands positively”
- e) Types of Personality
- f) Psychology of Sensations
- g) Warning signs of Poor Mental Health
- h) Group Dynamics
- i) Factors influencing individual behavior
- j) Uses of intelligence test in Psychology

SECTION – CAttempt **ANY TWO** of the following.

- Q. 3.**
 - a) Define Thinking. **(2+8 = 10)**
 - b) Explain Problem solving technique of thinking.
- Q. 4.**
 - a) Define Perception. **(2+8 = 10)**
 - b) Explain the principles of perception.
- Q. 5.**
 - a) Define Learning. **(2+8 = 10)**
 - b) Illustrate Classical conditioning with suitable example.

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BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, AUG./ SEPT.- 2016**ANATOMY & PHYSIOLOGY
PAPER – FIRST****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write Short Answers on **ALL** of the following:**(5 x 2 = 10)**

- a) Cell
- b) Mitosis
- c) Brain stem
- d) Glia
- e) Residual volume

SECTION – B**Q. 2.** Write in brief on **ANY NINE** of the following.**(9 x 5 = 45)**

- a) Chemical digestion in small intestine
- b) Physiology of smell
- c) Circulatory system of heart
- d) Blood groups
- e) Structure of skin
- f) Regulation of blood pressure
- g) Classification of joints
- h) Mechanism of urine formation
- i) Process of bone formation
- j) Functions of female reproductive organs

SECTION – CAttempt **ANY TWO** the following.**Q. 3.** Explain in detail the functions of liver with the help of a well labeled diagram.**(7+3=10)****Q. 4.** a) Define Neurons

b) Discuss classification and functions of neurons with the help of diagrams.

(2+8 = 10)**Q. 5.** Explain the action potential of cardiac muscles with diagrams.**(10)**

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, AUG./ SEPT. - 2016

**ENGLISH
PAPER – SECOND**

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A

Q. 1. Attempt all the questions in this section :-

(5 x 2 = 10)

- (i) Write an antonym for the following:-
(a) Sorrow (b) Shy (c) Soft (d) Urgent
- (ii) Spell the following correctly:
(a) Bysikl (b) Akseed (c) Forain (d) Reseev
- (iii) Write the synonym for the following:
(a) Ability (b) Separate (c) Save (d) Victory
- (iv) Write the sentence in correct order :
(a) May\ doctor/the/if/is/serious/the case/is/operate
- (v) Make two new words each with the given prefix:
(a) De---- (b) In----

Section B

Q. 2. Attempt any seven questions from the following: -

(5 x 7 = 35)

(5)

A. Change as directed: -

- (i) The doctor likes the job. (To past perfect tense)
- (ii) I saw a great film. (To future indefinite tense)
- (iii) The man was enjoying sea foods. (To future continuous tense)
- (iv) He will like the sport. (To simple present tense)
- (v) My friend doesn't have a job. (To past indefinite tense)

B. Use the following homophones in your own sentences:

(5)

- (i) prey/pray (ii) heal/heel (iii) whole/hole (iv) sight/cite (v) plain/plane

C. Write the correct sentence of the following: 5

- (i) I enjoyed from the movie.
- (ii) Every students like the teacher.
- (iii) I have visited Dehradun last weekend.
- (iv) When I will arrive, I will call you.
- (v) I will not listen him.

D. Fill the blanks with suitable prepositions: -

(5)

- (i) I will complete my work ____ tomorrow.
- (ii) My friend reached home ____ 3:30 pm.
- (iii) What is the time ____ your watch?
- (iv) I am indifferent ____ politics.
- (v) The kite is flying ____ the house.
- (vi) Two men are lying ____ a tree.

E. Form suitable words from the words in bracket and fill in the blanks: -

(5)

- (i) I can easily see the ____ aspects of this matter. (difference)
- (ii) We need to have a ____ on the issue. (discuss)
- (iii) He is known for his ____ in his character. (bold)
- (iv) We need some ____ in the list. (add)
- (v) I saw a ____ man in the market. (cry)

F. Change the following sentences as directed: -

(5)

- (i) We can learn a language. (To passive voice)
- (ii) What do you need? (To passive voice)
- (iii) He is playing cricket. (To passive voice)
- (iv) My friend said, "Life is beautiful." (To Indirect speech)
- (v) The teacher said, "Where do you live?" (To Indirect speech)

G. Write an application to the Principal of your college requesting him/her to permit you to conduct a seminar for your class. Invent necessary details.

(5)

H. Write the past tense (2nd form) for following verbs.

(5)

- | | | | | | | |
|-----------------|-------------|------------|-----------|---------|----------|------------|
| (i) Bear | (ii) Delete | (iii) Cost | (iv) Sing | (v) Cut | (vi) Cry | (vii) Ride |
| (viii) Meditate | | (ix) Love | (x) Cure | | | |

I. Use the following words into meaningful sentences:

(5)

- | | | | | |
|-------------|---------------|----------------|----------------|-------------|
| (i) Process | (ii) Improved | (iii) Clinical | (iv) Education | (v) Qualify |
|-------------|---------------|----------------|----------------|-------------|

Section C

Q. 3. Write your resume.

(10)

Q. 4. Write an essay on any one of the following topics: (250 words)

(10)

- (i) My experience in the Nursing college (ii) Natural disaster in Uttarakhand (iii) Discipline

Q. 5. Read the following passage carefully and answer the questions given below: -

(10)

Persuasion is the art of convincing someone to agree with your point of view. According to the ancient Greek philosopher Aristotle, there are three basic tools of persuasion: ethos, pathos, and logos. Ethos is a speaker's way of convincing the audience that a person is a credible source. An audience will consider a speaker credible if a person seems trustworthy, reliable, and sincere. This can be done in many ways. For example, a speaker can develop ethos by explaining how much experience or education a person has in the field. After all, you would be more likely to listen to advice about how to take care of your teeth from a dentist than a firefighter. A speaker can also create ethos by convincing the audience that she/he is a good person who has their best interests at heart. If an audience cannot trust you, you will not be able to persuade them. Pathos is a speaker's way of connecting with an audience's emotions. For example, a speaker who is trying to convince an audience to vote for him might say that he alone can save the country from a terrible war. These words are intended to fill the audience with fear, thus making them want to vote for him. Similarly, a charity organization that helps animals might show an audience pictures of injured dogs and cats. These images are intended to fill the viewers with pity. If the audience feels bad for the animals, they will be more likely to donate money. Logos is the use of facts, information, statistics, or other evidence to make your argument more convincing. An audience will be more likely to believe you if you have data to back up your claims. For example, a commercial for soap might tell you that laboratory tests have shown that their soap kills all 7,000,000 of the bacteria living on your hands right now. This piece of information might make you more likely to buy their brand of soap. Presenting this evidence is much more convincing than simply saying "our soap is the best!" Use of logos can also increase a speaker's ethos; the more facts a speaker includes in his argument, the more likely you are to think that he is educated and trustworthy. Although ethos, pathos, and logos all have their strengths, they are often most effective when they are used together. Indeed, most speakers use a combination of ethos, pathos, and logos to persuade their audiences. The next time you listen to a speech, watch a commercial, or listen to a friend try to convince you to lend him some money, be on the lookout for these ancient Greek tools of persuasion.

- (i) Give a suitable title to the passage.
- (ii) What is the best antonym for 'credible' (a) Intelligent (b) Boring (c) Dishonest (d) Amazing
- (iii) What is the most effective tool of persuasion according to the passage?
- (iv) According to the passage, logos can build ethos. How?
- (v) According to you, what is the best method of persuasion and why? Give reasons for your answer.

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, AUG./ SEPT.- 2016
INTRODUCTION TO COMPUTER
PAPER – THIRD

[Time allotted: Three hours]**[Max Marks: 75]****Note:** Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A

(10 x 1 = 10)**Q. 1.** Attempt all the questions in this section :

- a) The brain of computer system is.....
- b) MS-power point is being used for.....purpose.
- c) Ctrl+s shortcut key is used for.....
- d) MS-word extension is:
- e) Ctrl+y shortcut key is used for:
- f) Local Area Network can also be termed as.....
- g) WWW stands for.....
- h) Processing equipment used in 1st & 2nd generation of computers are..... & respectively.
- i) Shortcut key for paste one cell content into another in M.S. Excel.....
- j) What does 'Cc' termed in e-mail mean?

SECTION - B

(9 x 5 = 45)**Q. 2.** Attempt **ANY NINE** questions from the following :

- a) What is Operating System?
- b) Explain M.S. Excel with suitable example.
- c) What are the different elements of Multimedia? Explain with example.
- d) Explain Different types of computer.
- e) Explain Primary Memory of computer.
- f) How can you create an e-mail id? Write down the process in steps.
- g) What is the purpose of attachments in E-mail? How is it performed?
- h) Write down the use of following DOS commands:
 - i) c:/>dir ←
 - ii) c:/>rd ←
 - iii) c:/>type ←
 - iv) c:/>copy con ←
 - v) c:/>ver ←
- i) What is the extension of following?
 - i. Word file.
 - ii. Excel file.
 - iii. Access file.
 - iv. Power Point file.
 - v. Note Pad file
- j) Explain M.S. Word with example.

SECTION – C

(2 x 10 = 20)

Q. 3. Write on **ANY TWO** of the given topics :

- a) What is network? Explain different types of networks with example.
- b) Explain different generations of computer.
- c) What is Computer? Explain block diagram of computer.
- d) What is shortcut keys of following?
 - i) Open find box.
 - ii) Cut & Copy of selected text.
 - iii) Switch between open applications.
 - iv) Redo the last action performed.
 - v) Insert new worksheet.
 - vi) Open new/blank document.
 - vii) Open the print window.
 - viii) Bold highlighted selection.
 - ix) Italicize (Italic) highlighted selection.
 - x) Close current open program.

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, AUG./ SEPT. - 2016**MICROBIOLOGY
PAPER – FOURTH****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A**(5 x 2 = 10)****Q. 1.** Write Short Answers on **ALL** of the following:

- a) Secondary infection
- b) Bactericidal
- c) Septicemia
- d) Gastroenteritis
- e) Mycology

SECTION – B**(9 x 5 = 45)****Q. 2.** Write in brief on **ANY NINE** of the following.

- a) Acquired immunity
- b) Principles of Microbiology
- c) Acid fast staining
- d) Motility of bacteria
- e) Cold chain
- f) Role of oxygen in growth of microorganisms.
- g) Role of Nurse in handling & transporting of various specimens.
- h) Mycoplasma
- i) Agglutination reaction
- j) Immunization schedule

SECTION – CWrite essays on **ANY TWO** of the following:

- Q. 3.** Define Biomedical Waste. Enlist the types of biomedical waste and write the role of a nurse in biomedical waste management. **(2+3+5=10)**
- Q. 4.** Explain the Structure of bacteria. Differentiate between gram positive and gram negative bacteria **(5+5=10)**
- Q. 5.** What do you mean by hospital acquired infection? What measures can be used to prevent hospital acquired infection? **(3+7=10)**

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, AUG./ SEPT. - 2016

NURSING FOUNDATION

PAPER – FIFTH

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A

Q. 1. Write Short Answers on **ALL** of the following:

(5 x 2 = 10)

- a) Hospital
- b) Define Nursing
- c) Medical Asepsis
- d) Rest and Sleep
- e) Comfort

SECTION – B

Q. 2. Write in brief on **ANY NINE** of the following.

(9 x 5 = 45)

- a) Stages of illness behavior
- b) Qualities of a nurse
- c) Difference between therapeutic relationship and social relationship
- d) Methods of data collection
- e) Importance of records and reports
- f) Types of fever
- g) Factors affecting nutrition
- h) Cardiac Bed
- i) Types of medication action
- j) Characteristics of Pulse

SECTION – C

Attempt **ANY TWO** of the following:

Q. 3. Define bed sore. Write the causes and prevention of bed sores.

(2+3+5=10)

Q. 4. What do you mean by therapeutic communication? Discuss the factors influencing therapeutic communication.

(2+8=10)

Q. 5. Define nursing process. Prepare a nursing care plan for a patient suffering from fever.

(2+8=10)

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, AUG./ SEPT. - 2016
NUTRITION & BIOCHEMISTRY
PAPER – SIXTH

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A

Q. 1. Write short answers on **ALL** of the following:

(5 x 2 = 10)

- a) Protein
- b) Food Preservation.
- c) Four signs and symptoms of Marasmus.
- d) Dietetics
- e) Four disorders caused by deficiency of Vitamin A.

SECTION – B

Q. 2. Write in brief on **ANY NINE** of the following:

(9 x 5 = 45)

- a) Role of Vitamin D in our Body.
- b) Different methods of Cooking.
- c) Classification of Carbohydrates.
- d) Classification of food
- e) Classification of vitamins
- f) Mid Day Meal Program.
- g) Differentiating features between Prokaryote and Eukaryote cell.
- h) Tricarboxylic acid (TCA) Cycle.
- i) Types, composition and uses of fatty acids.
- j) Phagocytosis.

SECTION – C

Attempt **ANY TWO** on the following.

Q. 3. Define Nutrition. Discuss relationship between Nutrition and Health.

(2+8=10)

Q. 4. Draw the structure of cell and explain the functions of each organelles present in the cell.

(2+8=10)

Q. 5. Define Glycolysis. Describe the steps involved in Glycolysis.

(2+8=10)

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, AUG./ SEPT. - 2016**PSYCHOLOGY
PAPER – SEVENTH****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write Short Answer on **ALL** of the following: **(5 x 2 = 10)**

- a) Personality
- b) Emotion
- c) Id
- d) Span of attention
- e) Guidance

SECTION – B**Q. 2.** Write in brief on **ANY NINE** of the following. **(9 x 5 = 45)**

- a) Principle of perception
- b) Types of attitude
- c) Stress cycle
- d) Types of thinking
- e) Importance of psychology in nursing
- f) Types of memory
- g) Intelligence test
- h) Types of motivation
- i) Warning sign of poor mental health
- j) Characteristics of emotions

SECTION – CAttempt **ANY TWO** the following.**Q. 3.** Define perception and discuss the principles and factors affecting perception. **(2+4+4 = 10)****Q. 4.** Define personality and explain Freud's stages of personality development. **(2+8 = 10)****Q. 5.** Define learning, enlist laws of learning and factors affecting learning process. **(2+4+4= 10)**

Regn. No.

Course Code: BSN101

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, FEBRUARY - 2017

**ANATOMY & PHYSIOLOGY
PAPER – FIRST**

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all sections.
Draw suitable diagrams wherever necessary.

SECTION – A

Q. 1. Write Short Answers on ALL of the following:

(5 x 2 = 10)

- a. Immunity
- b. Tidal volume
- c. Pituitary gland
- d. Cardiac muscle
- e. Ball and socket joint

SECTION – B

Q. 2. Write Short Notes on ANY NINE of the following:

(9 x 5 = 45)

- a. Draw a labeled diagram of the brain
- b. Physiology of vision
- c. Portal circulation
- d. Cardiac cycle
- e. Factors influencing blood pressure and pulse.
- f. Cranial nerves and their function
- g. Draw a labeled diagram of the skull
- h. Menstrual cycle
- i. Bone formation
- j. Wound healing

SECTION – C

Attempt ANY TWO the following:

- Q. 3.** Draw a labeled diagram of the kidney. Explain the process of urine formation. **(4 + 6 = 10)**
- Q. 4.** Explain the structure of the stomach with the help of labeled diagram. Explain the process of digestion in the stomach. **(4+6= 10)**
- Q. 5.** Define respiration. Draw a labeled diagram of the lungs. Explain the physiology of internal respiration. **(1+4+5 = 10)**

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, FEBRUARY - 2017**ENGLISH
PAPER – SECOND****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all Sections.**SECTION – A****Q. 1. Attempt all the following questions in this section:****(5 X 2 = 10)**

- a) Write an antonym for the following:
(i) busy (ii) accurate (iii) scared (iv) awful
- b) Spell the following correctly:
(i) nebar (ii) lezar (iii) sinsear (iv) jelas
- c) Write the synonym for the following:
(i) combine (ii) evil (iii) correct (iv) defend
- d) Write the sentence in correct order :
(i) can/ treated/ with/ many/ be/ a course of drug/ illness.
- e) Make two new words each with the given suffix:
(i) ..ic (ii) ...ment

SECTION – B**Q. 2. Attempt any seven questions from the following:****(5 x 7 = 35)****A. Change as directed:****(5)**

- (i) This child is crying. (To past perfect tense)
- (ii) I will finish my task on time. (To present indefinite tense)
- (iii) The teacher is teaching in the class. (To future continuous tense)
- (iv) Raman does this work nicely. (To present perfect tense)
- (v) My friend sings a song daily. (To past indefinite tense)

B. Use the following homophones in your own sentences:**(5)**

- (i) soul / sole (ii) poor / pour (iii) site / cite (iv) bare / bear (v) plain / plane

C. Write the correct sentence of the following:**(5)**

- (i) If he will come I will talk to him.
- (ii) This is a hot country.
- (iii) The train arrived to the station.
- (iv) Where did he went yesterday?
- (v) Listen what I say.

D. Fill the blanks with suitable prepositions:**(5)**

- (i) I have three pens ____ a book.
- (ii) My friend came to my home yesterday ____ lunch.
- (iii) What is the cause ____ going there?
- (iv) I am disagree ____ you.
- (v) His age was ____ 18, who attacked the man.

E. Form suitable words from the words in brackets and fill in the blanks:**(5)**

- (i) He will consider the ____ of this case. (possible)
- (ii) She has easily ____ the topic. (understandable)
- (iii) All have to go and register their ____ in the conference. (attending)
- (iv) He ____ well in the dance competition yesterday. (performance)
- (v) The teachers are busy in ____ the stationary. (distribute)

(5)

F. Change the following sentences as directed:

- (i) Put the paper on the table. (To passive voice)
- (ii) He is writing poetry. (To passive voice)
- (iii) My friend said, "Wow! We have won the game". (To indirect speech)
- (iv) The teacher said, "Do like reading books?" (To indirect speech)
- (v) He said to me, "Life is beautiful." (To indirect speech)

G. Write a letter to the Dean of your college requesting him/her to issue a duplicate identity card. Invent necessary details. (5)

H. Write a paragraph on any one of the following. (100 words)

- (i) Books are great friends (ii) Punctuality (iii) Sanitation

(5)

I. Use the following words in meaningful sentences:

- (i) cardiac (ii) real (iii) compromising (iv) virtuous (v) prevent

(5)

Section C

10

Q. 3. Draft your CV.

10

Q. 4. Write an essay on any one of the following topics: (250 words)

- (i) Is fashion important? (ii) Nursing as a challenging profession. (iii) Smoking and social awareness

10

Q. 5. Read the following passage carefully and answer the questions given below:

Pollution has been defined as the addition of any substance or form of energy to the environment at a rate faster than the environment can accommodate its dispersion, breakdown, recycling or storage in some harmless form. In simpler terms, pollution means the poisoning of the environment by man. Pollution has accompanied mankind ever since groups of people settled down in one place for a long time. It was not a serious problem during primitive times when there was more than ample space available for each individual or group. As the human population boomed, pollution became a major problem and has remained as one ever since. Cities of ancient times were often unhealthy places, fouled by human wastes and debris. Such unsanitary conditions favored the outbreak of diseases that killed or maimed many people living in those times.

The rapid advancement of technology and industrialization today is something that man can be proud of. However, it has brought along with it many undesirable results, one of which is the pollution of our environment. Humanity today is threatened by the dangers of air, water, land and noise pollution. The air that we breathe is heavily polluted with toxic gases, chemicals and dust. These consist of the discharge from industrial factories and motor vehicles. The emission of tetraethyl lead and carbon monoxide from exhaust fumes is a major cause for concern too. Outdoor burning of trash and forest fires have also contributed to air pollution. They cause the smarting of the eyes, bouts of coughing and respiratory problems. Owing to the burning of fossil fuels, the level of carbon monoxide in the air is more than desirable. Too high a level of carbon dioxide will cause the Earth's temperature to rise. The heat will melt the polar caps, thus raising the sea level and causing massive floods around the world. The burning of fuels also produces gases which form acid rain. Acid rain has a damaging effect on water, forest and soil, and is harmful to our health.

Man has reached the moon and invented supersonic crafts that can travel faster than the speed of sound. However, these inventions emit pollutants which contribute to the depletion of the ozone layer. This depletion of ozone, which absorbs the harmful rays of the sun and prevents them from reaching the Earth, will have drastic effects on all living things. It will lead to a rise in the number of people suffering from skin cancer. Water pollution has become widespread too. Toxic waste has found its way into our lakes, streams, rivers and oceans. This waste is released by factories and sea-going vessels. Spillage of oil by tankers and during the recent Gulf War has caused irreparable damage to marine life. Thousands of sea animals have died or were poisoned by the pollutants in their natural habitat. As such, it is dangerous for humans to consume sea food caught in polluted waters.

Dumping of used cars, cans, bottles, plastic items and all other kinds of waste material is an eyesore. Much of the refuse is not biodegradable and this interferes with the natural breakdown process of converting substances from a harmful form to a non-harmful one. As such, it becomes a hazard to one's health. We are often faced with noises from construction sites, jet planes and traffic jam. We may be unaware of it but noise pollution has been attributed to causing a loss of hearing, mental disturbances and poor performance at work. To control environmental pollution, substances which are hazardous and can destroy life must not be allowed to escape into the environment. This calls for united decision-making among world leaders and a public awareness of the dangers of pollution.

1. In your own words, explain what pollution is.
2. Explain how recycling can help prevent pollution.
3. How will a rise in the Earth's temperature endanger life?
4. How can we control environmental pollution?
5. Write the similar words for :- (i) convert (ii) emit (iii) harmful (iv) depletion

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, FEBRUARY - 2017**INTRODUCTION TO COMPUTER
PAPER – THREE****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**(10 x 1 = 10)****Q. 1. Complete the following sentences (Attempt all):**

- a) The brain of computer system is.....
- b) MS-power point is being used for.....purpose.
- c) Ctrl+S shortcut key is used for.....
- d) MS-excel extension is.....
- e) Ctrl+V shortcut key is used for.....
- f) Local Area Network can also be termed as.....
- g) WWW stands for.....
- h) Processing equipment used in 1st & 2nd generation of computers..... & respectively.
- i) Shortcut key for paste one cell content into another in M.S. Excel.....
- j) In e-mail the term 'Cc' means.....

SECTION - B**(9 x 5 = 45)****Q. 2. Attempt ANY NINE questions from the following:**

- a) What is Operating System?
- b) Explain M.S. Excel with suitable example.
- c) Explain computer hardware and software with example.
- d) Explain different types of computer.
- e) Explain primary memory of computer.
- f) How can you create an e-mail id? Write down the process in steps.
- g) What is the purpose of attachments in e-mail? How it can be performed?
- h) What are shortcut keys of the following?
 - i) Open find box
 - ii) Cut & copy of selected
 - iii) Switch between open applications
 - iv) Redo the last action performed
 - v) Insert new worksheet
- i) What is the extension of the following:
 - i. Word file
 - ii. Excel file
 - iii. Access file
 - iv. Power Point file
 - v. Note Pad file
- j) Explain M.S. Word with example.

SECTION – C**(2 x 10 = 20)****Q. 3. Write on ANY TWO of the given topics:**

- a) What is network? Explain different types of networks with example.
- b) Explain different generations of computer.
- c) What is computer? Explain block diagram of computer.
- d) Write down the use of following DOS commands:
 - i) c: />dir ←
 - ii) c: />rd ←
 - iii) c: />type ←
 - iv) c: />copy con ←
 - v) c: />ver ←

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, FEBRUARY - 2017**MICROBIOLOGY
PAPER – FOUR****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write short answers on **ALL** of the following: **(5 x 2 = 10)**

- a) Disinfection
- b) Parasites
- c) Antibody
- d) Asepsis
- e) Vectors

SECTION – B**Q. 2.** Write in brief on **ANY NINE** of the following: **(9 x 5 = 45)**

- a) Clinical features of AIDS
- b) Immunization schedule
- c) Laboratory diagnosis and treatment of malaria
- d) Direct ELISA
- e) Purposes of sterilization
- f) Infection control measures in hospital
- g) Antibiotic resistance
- h) Immunoglobulin E (IgE)
- i) Bacterial growth curve
- j) Type of antigen

SECTION – CAttempt **ANY TWO** of the following:**Q. 3.** Explain the physical methods of disinfection. **(10)****Q. 4.** a) What do you mean by hypersensitivity? **(2+2+6=10)**

b) List out the classification of hypersensitivity.

c) Describe the type I (anaphylactic) reaction of hypersensitivity.

Q. 5. a) Define chemotherapy? **(2+8=10)**

b) Explain the classification of chemotherapy.

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, FEBRUARY - 2017
NUTRITION & BIOCHEMISTRY
PAPER – SIX

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A

1. Write short answers on **ALL** of the following: (5 x 2 = 10)
- a) Basal Metabolic Rate
 - b) Food adulteration
 - c) Water intoxication
 - d) Food preservation
 - e) Nutrition

SECTION – B

2. Write in brief on **ANY NINE** of the following: (9 x 5 = 45)
- a) Hyper-vitaminosis
 - b) Classification of food
 - c) Protein Energy Malnutrition
 - d) Different methods of cooking
 - e) Functions of carbohydrates
 - f) ICDS
 - g) Types, composition and uses of fatty acids
 - h) Phagocytosis
 - i) Prevention of food adulteration Act
 - j) ELISA

SECTION – C

Attempt **ANY TWO** of the following:

3. Define vitamins. How are vitamins classified? Explain vitamin A in detail. (2+3+5=10)
4. Define protein. Explain the steps involved in urea cycle. (2+8=10)
5. Draw the structure of cell and explain the functions of each of the organelles present in the cell. (4+6=10)

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER- 2017**ANATOMY & PHYSIOLOGY
PAPER – FIRST****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write short answers on **ALL** of the following: **(5 x 2 = 10)**

- a) Osteoclast
- b) Pericardium
- c) ADH
- d) Skeletal muscle
- e) Gland

SECTION – B**Q. 2.** Write in brief on **ANY NINE** of the following: **(9 x 5 = 45)**

- a) Mechanical and chemical digestion in stomach
- b) Physiology of hearing
- c) Labelled structure of heart
- d) Mechanism of internal & external respiration
- e) Functions and flow of CSF
- f) Functions of blood
- g) Draw a labelled diagram of eye
- h) Mechanism of urine formation
- i) Accessory sex glands in males and their functions
- j) Physiology of muscles contraction

SECTION – CAttempt **ANY TWO** the following:

- Q. 3.**
 - a) Define neuron.
 - b) Classify neurons and neuralgia with the help of a diagram. **(2 + 8 = 10)**
- Q. 4.**
 - a) Define ovaries.
 - b) Describe the phases of menstrual cycle with a suitable diagram. **(2 + 8 = 10)**
- Q. 5.** Define bone and write the healing process of fracture. **(2 + 8 = 10)**

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER - 2017**ENGLISH
PAPER – TWO****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.**SECTION - A**

- Q. 1.** Attempt **ALL** the questions in this section : **(5 x 2 = 10)**
- a) Write two synonyms for each of the following :**
- i) answer ii) begin
- b) Write the opposites of the following :**
- i) loud ii) gain iii) major iv) long
- c) Fill in the blanks with prepositions :**
- i) My friend walked _____ me _____ the market.
- ii) The ball is _____ the box kept _____ the bed.
- d) Fill in the blanks with 'a' , 'an' or 'the':**
- i) The brave soldier lost _____ arm in _____ battle.
- ii) _____ Times of India is _____ good newspaper.
- e) Make one sentence each with the following words :**
- i) friendship ii) carefully

SECTION - B

- Q. 2.** Attempt **ANY NINE** questions from the following: **(9 x 5 = 45)**
- a) Choose the correct word from the brackets :**
- (i) The student (raised, rose) his hand in class.
- (ii) Fred has (sat, set) the table for dinner.
- (iii) We (eat, has eat) lunch at two.
- (iv) The boy (runs, running) fast.
- (v) If you are tired, you should (lie, lay) down and take rest.
- b) Write the present tense of the following verbs :**
- (i) stood (ii) caught (iii) grabbed (iv) cut (v) dreamed
- (vi) listened (vii) sang (viii) brought (ix) came (x) left
- c) Correct the following sentences :**
- i) I is talking to you. (ii) I sit in a chair.
- iii) The boy are writing an letter. (iv) How you are studying?
- (v) Are your father working?
- d) Change as directed :**
- (i) It is a good day! (To Negative sentence)
- (ii) work the done by was Ram.(Arrange the words to make a Proper sentence)
- (iii) Your friend is at home. (To Interrogative sentence)
- (iv) She is very fair. (To Exclamatory sentence)
- (v) Drinking is Raman milk the. (Arrange the words to make a proper sentence)
- e) Complete the following sentences :**
- i) What is..... iii) All the students... v) Your book.....
- ii) The cricket match.... iv) Are your.....

P.T.O....

f) Fill in the blanks with --- is / are / has / have :

- i) A woman and her child _____ sitting in the next room.
- ii) Every member _____ to attend the meeting.
- iii) Ten kilometres _____ a long walk.
- iv) Many girls _____ been punished for reaching the school late.
- v) The judges _____ decided the case.

g) Change as directed :

- (i) The letter was written by Shyam. (To Active voice)
- (ii) Aman said, "Please give me a pen." (To Indirect speech)
- (iii) The man killed a snake. (To Passive voice)
- (iv) As soon as the thief saw the police, he ran away. (To Negative sentence)
- (v) -Even though he tried, he did not pass. (To Compound sentence)
- (vi) Wise men need no advice. (To Complex sentence)

h) Make two new words each with the following prefixes :

- (i) bi (ii) un (iii) black (iv) fore (v) de

i) Make sentences to show the difference in meaning of :

- (i) Hair, here (ii) there, their (iii) brake, break (iv) hole, whole (v) bear, beer

j) Write a precis of 60 words for the given passage and give a title also :

Over-eating is one of the most wonderful practices among those who think they can afford it. In fact, authorities say that nearly all those who can get as much as they can desire, over-eat to their disadvantage. This class of people could save a great more food than they can save by missing one meal per week and at the same time they could improve their health.

A heavy meal at night, the so called 'dinner' is the fashion with many and often it is taken shortly before retiring. It is unnecessary and could be forgone, not only once a week but daily without loss of strength. A time of three to five hours are needed to digest food. While sleeping, this food not being required to give energy for work, is in many cases converted into excess fat, giving rise to overweight. The evening meal should be light and taken three or four hours before retiring. This prevents over-eating, conserves energy and reduces the cost of food.

SECTION C

(10 x 2 = 20)

Q. 3. Write on ANY ONE of the given topics:

- (i) Guests
- (ii) Importance of Good Manners
- (iii) Write a story that begins with the given line – "The alarm clock rang and....."

Q. 4. Write an application on ANY ONE of the given topics:

- (i) To the Principal of your College requesting her to give you a fee concession
- (ii) To the Principal of your College requesting her to change your course

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER - 2017**ENGLISH
PAPER – TWO****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.**SECTION - A**

- Q. 1.** Attempt **ALL** the questions in this section : **(5 x 2 = 10)**
- a) Write two synonyms for each of the following :
- i) answer ii) begin
- b) Write the opposites of the following :
- i) loud ii) gain iii) major iv) long
- c) Fill in the blanks with prepositions :
- i) My friend walked ____ me ____ the market.
- ii) The ball is ____ the box kept ____ the bed.
- d) Fill in the blanks with 'a', 'an' or 'the':
- i) The brave soldier lost ____ arm in ____ battle.
- ii) ____ Times of India is ____ good newspaper.
- e) Make one sentence each with the following words :
- i) friendship ii) carefully

SECTION - B

- Q. 2.** Attempt **ANY NINE** questions from the following: **(9 x 5 = 45)**
- a) Choose the correct word from the brackets :
- (i) The student (raised, rose) his hand in class.
- (ii) Fred has (sat, set) the table for dinner.
- (iii) We (eat, has eat) lunch at two.
- (iv) The boy (runs, running) fast.
- (v) If you are tired, you should (lie, lay) down and take rest.
- b) Write the present tense of the following verbs :
- (i) stood (ii) caught (iii) grabbed (iv) cut (v) dreamed
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- c) Correct the following sentences :
- i) I is talking to you. (ii) I sit in a chair.
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- (v) Are your father working?
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- (v) Drinking is Raman milk the. (Arrange the words to make a proper sentence)
- e) Complete the following sentences :
- i) What is..... iii) All the students... v) Your book.....
- ii) The cricket match.... iv) Are your.....

P.T.O....

f) Fill in the blanks with --- is / are / has / have :

- i) A woman and her child _____ sitting in the next room.
- ii) Every member _____ to attend the meeting.
- iii) Ten kilometres _____ a long walk.
- iv) Many girls _____ been punished for reaching the school late.
- v) The judges _____ decided the case.

g) Change as directed :

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- (vi) Wise men need no advice. (To Complex sentence)

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i) Make sentences to show the difference in meaning of :

- (i) Hair, here (ii) there, their (iii) brake, break (iv) hole, whole (v) bear, beer

j) Write a precis of 60 words for the given passage and give a title also :

Over-eating is one of the most wonderful practices among those who think they can afford it. In fact, authorities say that nearly all those who can get as much as they can desire, over-eat to their disadvantage. This class of people could save a great more food than they can save by missing one meal per week and at the same time they could improve their health. A heavy meal at night, the so called 'dinner' is the fashion with many and often it is taken shortly before retiring. It is unnecessary and could be forgone, not only once a week but daily without loss of strength. A time of three to five hours are needed to digest food. While sleeping, this food not being required to give energy for work, is in many cases converted into excess fat, giving rise to overweight. The evening meal should be light and taken three or four hours before retiring. This prevents over-eating, conserves energy and reduces the cost of food.

SECTION C

(10 x 2 = 20)

Q. 3. Write on ANY ONE of the given topics:

- (i) Guests
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- (i) To the Principal of your College requesting her to give you a fee concession
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BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER - 2017**INTRODUCTION TO COMPUTER****PAPER – THREE****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Attempt **ALL** questions in this section:**(10 x 1 = 10)**

- a) The brain of computer system is.....
- b) MS-power point is being used for.....purpose.
- c) Ctrl+s shortcut key is used for.....
- d) MS-word extension is:
- e) Ctrl+y shortcut key is used for:
- f) Local Area Network can also be termed as.....
- g) WWW stands for.....
- h) Processing equipment used in 1st & 2nd generation of computers..... & respectively.
- i) Shortcut key for paste one cell content into another in M.S. Excel.....
- j) What does 'Cc' termed in e-mail?

SECTION - B**Q. 2.** Attempt **ANY NINE** questions from the following:**(9 x 5 = 45)**

- a) What is Operating System?
- b) Explain M.S. Excel with suitable example.
- c) What are the different elements of Multimedia? Explain with example.
- d) Explain different types of computer.
- e) Explain primary memory of computer.
- f) How can you create an e-mail id? Write down the process in steps.
- g) What is the purpose of attachments in E-mail? How can it be performed?
- h) Write down the use of following DOS commands:

i) c:/>dir ↵

ii) c:/>rd ↵

iii) c:/>type ↵

iv) c:/>copy con ↵

v) c:/>ver ↵

i) What is the extension of following:

i. Word file.

ii. Excel file.

iii. Access file.

j) Explain M.S. Word with example.

iv. Power Point file.

v. Note Pad file

SECTION – C**Q. 3.** Write on **ANY TWO** of the given topics:**(2 x 10 = 20)**

- a) What is network? Explain different types of networks with example.
- b) Explain different generations of computer.
- c) What is computer? Explain block diagram of computer.
- d) What is shortcut keys of following?
 - i) Open find box.
 - ii) Cut & Copy of selected.
 - iii) Switch between open applications.
 - iv) Redo the last action performed.
 - v) Insert new worksheet.
 - vi) Open new/blank document.
 - vii) Open the print window.
 - viii) Bold highlighted selection.
 - ix) Italicize (Italic) highlighted selection.
 - x) Close current open program.

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER - 2017

INTRODUCTION TO COMPUTER

PAPER – THREE

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A

Q. 1. Attempt **ALL** questions in this section:

(10 x 1 = 10)

- a) The brain of computer system is.....
- b) MS-power point is being used for.....purpose.
- c) Ctrl+s shortcut key is used for.....
- d) MS-word extension is:
- e) Ctrl+y shortcut key is used for:
- f) Local Area Network can also be termed as.....
- g) WWW stands for.....
- h) Processing equipment used in 1st & 2nd generation of computers..... & respectively.
- i) Shortcut key for paste one cell content into another in M.S. Excel.....
- j) What does 'Cc' termed in e-mail?

SECTION - B

Q. 2. Attempt **ANY NINE** questions from the following:

(9 x 5 = 45)

- a) What is Operating System?
- b) Explain M.S. Excel with suitable example.
- c) What are the different elements of Multimedia? Explain with example.
- d) Explain different types of computer.
- e) Explain primary memory of computer.
- f) How can you create an e-mail id? Write down the process in steps.
- g) What is the purpose of attachments in E-mail? How can it be performed?
- h) Write down the use of following DOS commands:
 - i) c:/>dir ↵
 - ii) c:/>rd ↵
 - iii) c:/>type ↵
 - iv) c:/>copy con ↵
 - v) c:/>ver ↵
- i) What is the extension of following:
 - i. Word file.
 - ii. Excel file.
 - iii. Access file.
- j) Explain M.S. Word with example.

- iv. Power Point file.
- v. Note Pad file

SECTION – C

Q. 3. Write on **ANY TWO** of the given topics:

(2 x 10 = 20)

- a) What is network? Explain different types of networks with example.
- b) Explain different generations of computer.
- c) What is computer? Explain block diagram of computer.
- d) What is shortcut keys of following?
 - i) Open find box.
 - ii) Cut & Copy of selected.
 - iii) Switch between open applications.
 - iv) Redo the last action performed.
 - v) Insert new worksheet.
 - vi) Open new/blank document.
 - vii) Open the print window.
 - viii) Bold highlighted selection.
 - ix) Italicize (Italic) highlighted selection.
 - x) Close current open program.

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER - 2017**MICROBIOLOGY
PAPER – FOUR****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write short answers on **ALL** of the following:**(5 x 2 = 10)**

- a) Disinfection
- b) Microorganisms
- c) Staining
- d) Gastroenteritis
- e) Mesophiles

SECTION – B**Q. 2.** Write in brief on **ANY NINE** of the following:**(9 x 5 = 45)**

- a) Standard safety measures
- b) Principles of Microbiology
- c) Acid fast staining
- d) Nutritional requirement of bacteria
- e) Hot air oven
- f) Type 1 hypersensitivity
- g) Difference between gram positive and gram negative bacteria
- h) Methyl red test
- i) Precipitation reaction
- j) Pathogenesis of staphylococcus aureus

SECTION – CAttempt **ANY TWO** of the following:

- Q. 3.** Define biomedical waste. Enlist the types of biomedical waste and write the role of a nurse in biomedical waste management. **(2+3+5=10)**
- Q. 4.** Discuss the morphological types of microorganism and describe structure of bacteria with suitable diagram. **(5+5=10)**
- Q. 5.** What do you mean by hospital acquired infection? What measures can be used to prevent hospital acquired infection? **(3+7=10)**

B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER - 2017**NURSING FOUNDATION
PAPER – FIVE****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write short answers on **ALL** of the following:**(5 x 2 = 10)**

- a) Values of nursing profession
- b) Vital signs
- c) Sleep & rest
- d) Hand washing
- e) Nosocomial infection

SECTION – B**Q. 2.** Write short notes on **ANY NINE** of the following:**(9 x 5 = 45)**

- a) Types of reporting
- b) Barriers of communication
- c) Characteristics of pulse
- d) Functions of hospital
- e) Stages of stress adaptation
- f) Routes of drug administration
- g) Phases of peri-operative nursing
- h) Ethics in nursing practice
- i) Dimensions of health
- j) Variables affecting illness behavior

SECTION – CAttempt **ANY TWO** of the following:**Q. 3.** Enlist the steps of nursing process. Draw nursing care plan for a fracture patient.**(3+7 = 10)****Q. 4.** What do you mean by Metaparadigms of nursing theory? Discuss basic need theory.**(3+7 = 10)****Q. 5.** Define comfort. Describe the types of comfortable positions with indications.**(3+7 = 10)**

B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER - 2017**NURSING FOUNDATION
PAPER – FIVE****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write short answers on **ALL** of the following:**(5 x 2 = 10)**

- a) Values of nursing profession
- b) Vital signs
- c) Sleep & rest
- d) Hand washing
- e) Nosocomial infection

SECTION – B**Q. 2.** Write short notes on **ANY NINE** of the following:**(9 x 5 = 45)**

- a) Types of reporting
- b) Barriers of communication
- c) Characteristics of pulse
- d) Functions of hospital
- e) Stages of stress adaptation
- f) Routes of drug administration
- g) Phases of peri-operative nursing
- h) Ethics in nursing practice
- i) Dimensions of health
- j) Variables affecting illness behavior

SECTION – CAttempt **ANY TWO** of the following:

- Q. 3.** Enlist the steps of nursing process. Draw nursing care plan for a fracture patient. **(3+7 = 10)**
- Q. 4.** What do you mean by Metaparadigms of nursing theory? Discuss basic need theory. **(3+7 = 10)**
- Q. 5.** Define comfort. Describe the types of comfortable positions with indications. **(3+7 = 10)**

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER - 2017**NUTRITION & BIOCHEMISTRY
PAPER – SIX****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write short answers on **ALL** of the following: **(5 x 2 = 10)**

- a) Nutrition
- b) Fats
- c) Measurement of energy
- d) Three factors affecting BMR
- e) Name the international agencies promoting nutrition education

SECTION – B**Q. 2.** Write in brief on **ANY NINE** of the following: **(9 x 5 = 45)**

- a) Cultural factors affecting food & nutrition
- b) Differentiate between Kwashiorkor and Marasmus
- c) Nutritional management of protein energy malnutrition
- d) Deficiency disorders of vitamin D
- e) Importance of nutrition in nursing
- f) Vitamin A prophylaxis programme in India
- g) ELISA
- h) Regulation of blood glucose level
- i) Krebs's cycle
- j) Structure of antibody

SECTION – CAttempt **ANY TWO** of the following:

- Q. 3.** Define balanced diet. Discuss the importance of diet for hypertensive patient and plan a menu of a well-balanced diet. **(2+3+5 = 10)**
- Q. 4.** Define carbohydrates. Write the steps involved in glycolysis. **(2+8 = 10)**
- Q. 5.** Explain immunological responses. **(10)**

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER - 2017**NUTRITION & BIOCHEMISTRY****PAPER – SIX****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write short answers on **ALL** of the following: **(5 x 2 = 10)**

- a) Nutrition
- b) Fats
- c) Measurement of energy
- d) Three factors affecting BMR
- e) Name the international agencies promoting nutrition education

SECTION – B**Q. 2.** Write in brief on **ANY NINE** of the following: **(9 x 5 = 45)**

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- h) Regulation of blood glucose level
- i) Krebs's cycle
- j) Structure of antibody

SECTION – CAttempt **ANY TWO** of the following:

- Q. 3.** Define balanced diet. Discuss the importance of diet for hypertensive patient and plan a menu of a well-balanced diet. **(2+3+5 = 10)**
- Q. 4.** Define carbohydrates. Write the steps involved in glycolysis. **(2+8 = 10)**
- Q. 5.** Explain immunological responses. **(10)**

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, SEPTEMBER - 2017

**PSYCHOLOGY
PAPER – SEVEN**

[Time allotted: Three hours]

[Max Marks: 75]

Note: Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A

Q. 1. Write short answer on ALL of the following:

(5 x 2 = 10)

- a) Motivation
- b) Ego
- c) Attention
- d) Guidance
- e) Group dynamics

SECTION – B

Q. 2. Write short notes on ANY NINE of the following:

(9 x 5 = 45)

- a) Scope of psychology in nursing field
- b) Freud's stages of personality development
- c) Concept of mind and body relationship
- d) Intelligence test
- e) Types of conflicts with the help of diagram
- f) Characteristics of a mentally healthy person
- g) Factors affecting learning
- h) Principle of perception
- i) Maslow's Theory of Hierarchy
- j) Stress cycle

SECTION – C

Attempt ANY TWO of the following:

Q. 3. Define intelligence, enlist types of intelligence and discuss theories of intelligence.

(2+4+4 =10)

Q. 4. Define counseling and explain role of a nurse in counseling.

(2+8 =10)

Q. 5. Define communication and explain the process of communication with diagram.

(2+8 =10)

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, FEBRUARY/MARCH-2018
INTRODUCTION TO COMPUTER
PAPER – THIRD

[Time allotted: Three hours]**[Max Marks: 75]****Note:** Attempt all Sections.

Draw suitable diagrams wherever necessary.

SECTION – A

Q. 1. Attempt **ALL** the questions in this section :**(10 x 1 = 10)**

- a) DOS stands for.....
- b) MS-EXCEL is being used for.....purpose.
- c) Ctrl + A is shortcut key for.....
- d) The extension of MS-power point is.....
- e) Ctrl + Z shortcut key is used for
- f) MAN stands for.....
- g) RAM/ROM stands for.....
- h) Processing equipment used in 2nd & 3rd generation of computers..... & respectively.
- i) Shortcut key for saving a file is.....
- j) ASCII stands for.....

SECTION - B

Q. 2. Attempt **ANY NINE** questions from the following:**(9 x 5 = 45)**

- a) Differentiate between Software & Hardware.
- b) Explain Operating System with suitable example.
- c) What is multimedia? What are the different applications of multimedia? Explain with example.
- d) What is computer? Explain with block diagram of computer.
- e) Define memory of computer in detail.
- f) What is e-mail? What are the services provided by e-mail?
- g) What is the database? Define the role of DBA.
- h) Explain types of computer.
- i) Explain history of computer in details.
- j) Differentiate between internet & intranet.

SECTION - C

Q. 3. Write on **ANY TWO** of the given topics :**(2 x 10 = 20)**

- a) Differentiate between LAN, MAN, WAN types of networks.
- b) Write down the DOS commands with example for following operation:
 - i) Display contents of a file named as new.txt.
 - ii) Display current date of the system.
 - iii) Display version of the system.
 - iv) Display directory list in current drive.
 - v) Create a new file of .txt type.
- c) Explain generations of computer in details.
- d) Draw the E-R diagram for Hospital Management System.

BASIC B. Sc. NURSING FIRST YEAR EXAMINATION, FEBRUARY/ MARCH - 2018**MICROBIOLOGY
PAPER – FOURTH****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write short answers on **ALL** of the following: **(5 x 2 = 10)**

- a) Define Microbiology
- b) Define antigen
- c) Define disinfection
- d) Define antibiotics
- e) Define rodents and vectors

SECTION – B**Q. 2.** Write in brief on **ANY NINE** of the following: **(9 x 5 = 45)**

- a) Modes of infection transmission
- b) Different staining techniques
- c) Guidelines for health workers while handling chemotherapeutic drugs
- d) Hospital acquired infection
- e) Type one hypersensitivity reaction
- f) Cold chain
- g) Difference between medical and surgical asepsis
- h) Rickettsia
- i) Role of a nurse in prevention of infection
- j) Types of parasites

SECTION – CAttempt **ANY TWO** of the following:

- Q. 3.** Define sterilization. Enlist the types of sterilization and describe hot air oven in detail. **(2+3+5=10)**
- Q. 4.** Define immunity. Describe types of immunity in detail. **(2+8=10)**
- Q. 5.** Discuss morphological classification of bacteria. Describe structure of bacteria. **(5+5=10)**

BASIC B.Sc. NURSING FIRST YEAR EXAMINATION, FEBRUARY/ MARCH - 2018**NUTRITION & BIOCHEMISTRY****PAPER – SIX****[Time allotted: Three hours]****[Max Marks: 75]****Note:** Attempt all sections.

Draw suitable diagrams wherever necessary.

SECTION – A**Q. 1.** Write short answers on **ALL** of the following:**(5 x 2 = 10)**

- a) Define basal metabolic rate
- b) Define diffusion
- c) Proteins
- d) Energy requirement for an adolescent boy and girl
- e) Define vitamins

SECTION – B**Q. 2.** Write in brief on **ANY NINE** of the following:**(9 x 5 = 45)**

- a) Classification of carbohydrates
- b) Functions of fats
- c) Urea cycle
- d) Midday meal programme
- e) Regulation of electrolytes in human body
- f) ICDS
- g) Assessment of nutritional status
- h) Food preservation
- i) Malnutrition
- j) Balance diet

SECTION – CAttempt **ANY TWO** on the following:

- Q. 3.** Define cooking. Discuss various methods and principles of cooking in detail.
- Q. 4.** Difference between prokaryotic and eukaryotic cell.
- Q. 5.** Define glycolysis. Explain the steps of glycolysis in detail.

(2+8=10)**(2+8=10)****(2+8=10)**