

MANIPAL UNIVERSITY

FIRST SEMESTER B.Sc. H.I.A./B.SC. N.M.T DEGREE EXAMINATION – JANUARY 2016

SUBJECT: PHYSIOLOGY (BHI 103/NMT 105)
(CREDIT BASED SYSTEM – 2015 SCHEME)

Monday, January 04, 2016

Time: 10:00 – 11:30 Hours

Maximum Marks: 20

1. Essay questions:

- 1A. Explain the distribution of body fluid in different compartments of the body.
1B. Classify white blood cells. Mention one function of each.

(5 marks × 2 = 10 marks)

2. Write short answers for the following:

- 2A. List the phases of ventricular diastole in a cardiac cycle
2B. Define anatomical dead space. Give its normal value
2C. Draw a neat labeled diagram of a sarcomere in skeletal muscle
2D. Name the receptor organ for hearing and mention its location
2E. What is myopia and how is it corrected?

(2 marks × 5 = 10 marks)



MANIPAL UNIVERSITY**FIRST SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2016****SUBJECT: BHI 105: ENGLISH**
(CREDIT BASED SYSTEM – 2013 & 2015 SCHEME)

Wednesday, January 06, 2016

Time: 10:00-13:00 Hrs

Maximum Marks: 80

GRAMMAR**1. Name the Parts of Speech of the words underlined:**

- 1A. The jury was unable to agree on the point.
1B. There are fifty students in the class.
1C. I am writing a novel.
1D. He fell into the well.
1E. I myself will take you there.

(1 mark × 5 = 5 marks)

2. Use the right Question Tags. The receiver agrees with the statement:

- 2A. She found her bag, _____?
2B. Rita has already left the place, _____?
2C. Those donkeys ate all the mangoes, _____?
2D. Binu will leave tomorrow, _____?
2E. No one attended his lecture, _____?

(1 mark × 5 = 5 marks)

3. Change the voice of the verbs in the sentence. Active to Passive or Passive to Active:

- 3A. The people elected the president.
3B. Aeroplane was invented by Wright Brothers.
3C. Ms. Sushma Roy teaches English grammar.
3D. Money was lent to me by Raghu.
3E. The doctor is congratulating the baby's grandparents.
3F. The school treated the children kindly.
3G. The work is being supervised by an engineer.
3H. A lot of harm was caused by the earthquake.
3I. A series of experiments were conducted by Fleming.
3J. I shall draft the letters immediately.

(1 mark × 10 = 10 marks)

4. **Rewrite each sentence beginning with the words given to get the Reported form of the spoken words:**

- 4A. Mr. Lal said, 'I don't drink coffee.'
Mr. Lal said _____.
- 4B. The manager asked the clerk, 'How many days leave do you want?'
The manager asked _____.
- 4C. 'Oh, no! My house is on fire! Sheela yelled.
Sheela yelled _____.
- 4D. 'Who is playing next week?' he asked me.
He asked _____.
- 4E. 'Don't litter the classroom,' the teacher said to her students.
The teacher told _____.

(1 mark × 5 = 5 marks)

5. **Rewrite the following as directed without changing the meaning:**

- 5A. Is not wisdom better than riches?
Begin: Wisdom
- 5B. How fortunate you are!
Begin: You are _____.
- 5C. They did not play football yesterday.
Begin: Did _____?
- 5D. When it is spring, the cuckoo sings.
Begin: In Spring _____.
- 5E. Darjeeling is the most beautiful than say other place I have seen.
Begin: No other _____.

(1 mark × 5 = 5 marks)

6. **Supply suitable verbs in the brackets:**

- 6A. There are a lot of clouds! It _____ soon. (rain)
- 6B. Since 2011 they _____ their son every year. (visit)
- 6C. While the doctor _____ Mr Jones, his son was waiting outside this morning. (examine)
- 6D. I _____ for my girlfriend for two hours. (wait)
- 6E. After Larry _____ the film on TV, he decided to buy the book. (see)

(1 mark × 5 = 5 marks)

PHONETICS

7. **Write short notes on any FIVE of the following:**

- 7A. Palato-alveolar
- 7B. Soft palate
- 7C. Open glottis

- 7D. Monosyllabic
- 7E. Active articulators
- 7F. Passive articulators
- 7G. Strong and weak forms

(3 marks × 5 = 15 marks)

8. **Say whether the statements in relation to Phonetics are True or False:**

- 8A. [u] is a front open vowel.
- 8B. Different sounds are created by changing the properties of the vocal tract.
- 8C. Every vowel symbol represents one specific articulation.
- 8D. Approximants are produced by two articulators coming close together, but not close enough to cause friction.
- 8E. Most speech sounds are made by allowing air to flow through the nose.

(1 mark × 5 = 5 marks)

9. **Fill in the blanks with suitable words:**

- 9A. Monophthongs are also known as _____.
- 9B. A sound whose articulation involves movement from one vowel position to another is called a _____.
- 9C. There are _____ consonants in English phonemic system
- 9D. I.P.A stand for _____.
- 9E. The syllable structure of the word 'hat' is _____.

(1 mark × 5 = 5 marks)

10. **Transcribe the following in Phonemic symbolic:**

- 10A. young
- 10B. oil
- 10C. path
- 10D. truth
- 10E. change

(1 mark × 5 = 5 marks)

US ENGLISH

11. **Say whether the statements in respect of American and British English are True or False:**

- 11A. A barrister in British English means a lawyer in American English.
- 11B. American people 'graduate' from high school.
- 11C. 'Hot car' is an American slang which means 'stolen car'.
- 11D. The spelling of 'favour' is the same in British and American English.
- 11E. A 'bank holiday' in British English is a 'legal holiday' in American English.

(1 mark × 5 = 5 marks)

12. What do the following American usage mean in British English:

- 12A. Apartment house
- 12B. Apartment building
- 12C. Second floor
- 12D. Diner
- 12E. Ranch House
- 12F. News dealer
- 12G. Check (restaurant)
- 12H. Period
- 12I. Sidewalk
- 12J. Liquor store

(1 mark × 10 = 10 marks)



Reg. No.

MANIPAL UNIVERSITY

FIRST SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2016

**SUBJECT: BHI 109: INTRODUCTION TO HEALTHCARE DELIVERY SYSTEM
(CREDIT BASED SYSTEM – 2015 SCHEME)**

Friday, January 08, 2016

Time: 10:00-11:30 Hrs

Maximum Marks: 40

✍ Answer ALL the questions.

SECTION-A

1. Define hospital. What is the nature of a hospital? What are the various functions of a hospital?
2. Why is it essential to professionally manage a hospital? What are the three different skills of professional management? Explain.
3. Discuss in detail about the structure of a hospital as an organisation.
(10 marks × 3 = 30 marks)

SECTION-B

4. Quality care of patients
5. Managed care
(5 marks × 2 = 10 marks)

