

Reg. No.

MANIPAL UNIVERSITY

FIRST SEMESTER B. Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012

SUBJECT: BHI 101: ANATOMY
(COMMON FOR BOTH OLD & NEW REGULATION)

Monday, January 02, 2012

Time: 10:00-11:30 Hrs

Maximum Marks: 40

✍ **Answer ALL the questions.**

1. Name the parts of urinary system and describe the right kidney.

(4+6 = 10 marks)

2. **Write briefly on:**

2A. Testis

2B. Arch of aorta

2C. Fallopian tube

2D. Tongue

2E. Ureter

2F. Pancreas

(5×6 = 30 marks)



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FIRST SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012

SUBJECT: PHYSIOLOGY (BHI 103)
(COMMON FOR BOTH OLD AND NEW REGULATION)

Wednesday, January 04, 2012

Time: 10:00 – 11:30 Hours

Maximum Marks: 40

1. Essay questions:

- 1A. Explain the extrinsic pathway of blood coagulation. Name any two anticoagulants.
- 1B. Define blood pressure. Give its normal value and describe three factors influencing it.
- 1C. Explain the neuromuscular transmission in the form of a flow chart in a skeletal muscle.
- 1D. Describe the actions of thyroid hormones.

(5×4 = 20 marks)

2. Write short answers for the following:

- 2A. What is the normal WBC count? Mention one function of WBCs.
- 2B. Name any two plasma proteins. Mention any one function of plasma proteins.
- 2C. Define vital capacity. Give its normal value in adults.
- 2D. List two functions of large intestine.
- 2E. What is tachycardia? Give an example.
- 2F. List two functions of kidneys.
- 2G. Mention two differences between skeletal and smooth muscles.
- 2H. Name any four hormones produced by anterior pituitary.
- 2I. Write the components of a reflex arc.
- 2J. Name the receptors for vision. Mention their function.

(2×10 = 20 marks)



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FIRST SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2012

SUBJECT: BHI 105: ENGLISH
(COMMON FOR BOTH OLD & NEW REGULATION)

Friday, January 06, 2012

Time: 10:00-13:00 Hrs

Maximum Marks: 80

GRAMMAR

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

- 1A. Peter and Jane got married.
- 1B. Mary went across the fields and into the woods.
- 1C. Tom and Jerry went up the mountain.
- 1D. This is the place where he lived.
- 1E. Sita may be wise or foolish.

(1×5 = 5 marks)

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

- 2A. The railway station is closeby, _____?
- 2B. They weren't working in the morning, _____?
- 2C. You will not help me, _____?
- 2D. It is a fine morning, _____?
- 2E. Sita's life is very hard, _____?

(1×5 = 5 marks)

3. Change the Voice of the Verbs in the sentence. Active to Passive or Passive to Active:

- 3A. Somebody has to pay the bill.
- 3B. Tom cannot repair my clock.
- 3C. My mother had to wash all the clothes.
- 3D. You should tell Vijay the whole story.
- 3E. You must iron this dress immediately.
- 3F. Lions have attacked the travellers.
- 3G. I am being watched by someone.
- 3H. Milk is given by a Cow.
- 3I. Prajwal spoke English fluently
- 3J. They sprayed the car with paint.

(1×10 = 10 marks)

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

- 4A. Suma said to me, 'Are you enjoying the play?'
Suma wanted to know _____
- 4B. I said to Ram, 'Why didn't you reply to my letter?'
I asked Ram _____

- 4C. 'Is the rain going to stop?' the gentleman said to me.
The gentleman asked me _____
- 4D. 'I never borrow anything from others,' she said.
She said _____
- 4E. Asha said, 'We cannot have dinner today.'
Asha said _____

(1×5 = 5 marks)

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

- 5A. A Zebra is as big as an ass.
Begin: An ass _____
- 5B. Sheela is tall and Seema is very tall.
Begin: 'taller' _____
- 5C. People speak French in France
Begin: French _____
- 5D. The Pacific Ocean is the deepest ocean.
Use: deep _____
- 5E. Do not drink alcohol. It is bad for health
Begin: Drinking _____

(1×5 = 5 marks)

6. Supply suitable Verbs given in the brackets:

- 6A. While he was playing in the garden, he _____ a gold coin. (find).
- 6B. Her parents are in India, but she _____ in America (lives).
- 6C. The car is extremely clean today. Who _____ it? (Wash)
- 6D. My father _____ to post the letter, I reminded him of it. (Forgot)
- 6E. They were _____ ice cream when we arrived (eat)

(1×5 = 5 marks)

PHONETICS

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

- 7A. Trill and tap
- 7B. Stress and Intonation
- 7C. Oral and Nasal sound
- 7D. Diphthongs
- 7E. Articulators
- 7F. Voiced and Voiceless phonemes
- 7G. Consonant Clusters

(3×5 = 15 marks)

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

- 8A. When a word has two syllables it is called monosyllabic.
- 8B. Monophthongs and Diphthongs are vowels.
- 8C. A syllable is longer than a word.
- 8D. The English letter C always represents phoneme /k/
- 8E. The letter r is pronounced when it comes between two vowels

(1×5 = 5 marks)

9. Fill in the blanks using suitable words:

- 9A. The soft palate functions when we produce phonemes _____.
- 9B. A _____ is a vowel glide.
- 9C. _____ is a semi vowel.
- 9D. We sound our lips when we articulate the phoneme _____.
- 9E. There are _____ centering diphthongs.

(1×5 = 5 marks)

10. Transcribe the following in phonemic symbols:

- 10A. table
- 10B. cost
- 10C. school
- 10D. taxi
- 10E. sir

(1×5 = 5 marks)

US ENGLISH

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

- 11A. 'Button your lips' is an American idiom which means 'stop talking'.
- 11B. 'Spilled the beans' is an idiom from American English which means 'lost something very precious'.
- 11C. 'Autumn' is referred to 'fall' in American English.
- 11D. 'Candy' is American English which means 'sweet' in British English.
- 11E. 'Shares' is 'Stocks' in American English.

(1×5 = 5 marks)

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

- 12A. plastic
- 12B. drug store
- 12C. lawyer
- 12D. chow down
- 12E. horn
- 12F. cool it
- 12G. rabbit food
- 12H. hubby
- 12I. rent
- 12J. ref

(1×10 = 10 marks)

