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MANIPAL UNIVERSITY

FIRST SEMESTER B. Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2008

SUBJECT: ANATOMY
(COMMON FOR BOTH OLD & NEW REGULATIONS)

Tuesday, January 01, 2008

Time available: 1½ Hours

Maximum Marks: 40

✍ **Answer all questions:**

1. Name the female reproductive organs and describe the uterus.

(2+8 = 10 marks)

2. Write briefly on:

2A. Brain stem.

2B. Stomach.

2C. Lungs.

2D. Skeletal muscle.

2E. Coronary arteries.

2F. Cerebrospinal fluid.

(5×6 = 30 marks)



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MANIPAL UNIVERSITY

FIRST SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2008

SUBJECT: PHYSIOLOGY

Wednesday, January 02, 2008

Time available: 1½ Hours

Maximum Marks: 40

Answer all questions

1. Write short notes on the following:

- 1A. Cushing's syndrome.
- 1B. Regulation of respiration.
- 1C. Excitation-Contraction coupling in skeletal muscle.
- 1D. Micturition reflex.
- 1E. Properties of cardiac muscle.

(5×5 = 25 marks)

2. Write brief answers to the following questions:

- 2A. Define 'Tidal volume' and 'Vital capacity'. Give their normal values.
- 2B. Draw a labeled diagram of a neuron.
- 2C. Enumerate four functions of kidney.
- 2D. Mention two factors affecting venous return.
- 2E. Name the photoreceptors in the eye. Mention their functions.

(2×5 = 10 marks)

3. State whether the following are **TRUE or FALSE**:

- 3A. Diabetes mellitus is due to deficiency of antidiuretic hormone.
- 3B. Cardiac output is the product of stroke volume and heart rate.
- 3C. Increase in environmental temperature causes cutaneous vasoconstriction.
- 3D. Inner ear contains the ear ossicles.
- 3E. Monocyte is an agranulocyte.

(1×5 = 5 marks)



MANIPAL UNIVERSITY**FIRST SEMESTER B.Sc. H.I.A. DEGREE EXAMINATION – JANUARY 2008****SUBJECT: ENGLISH**

Thursday, January 03, 2008

Time available: 3 Hours

Maximum Marks: 80

GRAMMAR**1. Convert the following sentences into negatives and then into questions:**

- 1A. Some snakes are poisonous.
- 1B. Parents want their children to get good grades.
- 1C. She sells sea- shells.
- 1D. The little boy pushed the doll into the well.
- 1E. They laughed at me.

(1×5 = 5 marks)

2. Give the correct form of question tags for the following. The receiver agrees with the statement:

- 2A. Your parents were happy,
- 2B. The bus service is not very reliable,
- 2C. You didn't wait for long,
- 2D. The food wasn't very bad,
- 2E. You are not going to do anything stupid,
- 2F. The workers haven't been paid yet,
- 2G. Your son polishes his shoes himself,
- 2H. All detectives can't be successful always,

(1/4×8 = 2 marks)

3. Change the voice of the verbs in the sentences – active to passive or passive to active:

- 3A. Sukumar collects stamps and coins.
- 3B. You need not carry water bottles to school.
- 3C. The entire block should be painted.
- 3D. You should not buy stolen goods.
- 3E. Some people steal things from supermarkets.
- 3F. Roads are being repaired at this moment.
- 3G. We can't repair your clock.
- 3H. Children are often spoiled by grandparents.
- 3I. Three people are following us.
- 3J. The poor oldman was knocked down by a lorry.

(1×10 = 10 marks)

4. Rewrite the following quoted sentences into the reported form and the beginning part is given:

4A. The doctor said to the patient, 'You may have to stay in bed today'.

The doctor told the patient _____.

4B. Puneeth said to me, 'Are you enjoying the play?'

Puneeth wanted to know _____.

4C. 'Don't go near the water, children', she told.

She advised the children _____.

4D. 'Read the document before signing', said the lawyer.

The lawyer told me _____.

4E. Father said to his son, 'Put on the new clothes tomorrow'.

Father asked his son _____.

4F. 'Whose scooter did you borrow yesterday?' my neighbour said.

My neighbour wanted to know _____.

4G. I said to Raj, 'Why didn't you reply my letter'.

I asked Raj _____.

4H. The villager asked Billa, 'When are you going to learn swimming?'

The villager enquired of Billa _____.

4I. 'Please give me another chance, master', said Sujata.

Sujata requested the master _____.

4J. 'Is the rain going to stop?' the shopman said to me.

The shopman asked me _____.

($\frac{1}{2} \times 10 = 5$ marks)

5. Supply the suitable verbs given in the brackets:

5A. Her parents are in India, but she _____ in Singapore. (educate)

5B. Ambuja never _____ tea. (drink)

5C. I _____ Arjun since June (not see)

5D. We _____ in Delhi when the riot shocked the country. (live)

5E. The gates will not open until the train _____ (pass)

5F. Prem looked very tired. He _____ (play)

5G. I have started saving money to buy a scooter. By the end of this year I _____ enough to buy one. (save)

5H. Don't ring now. He _____ his favourite programme on the television. Ring him after 9 O'clock. (watch)

5I. I _____ a new house last year, but I _____ my old house yet, so at the moment I have two houses. (buy, not sell)

5J. My uncle _____ next door and his two children _____ and _____ us everyday. (live, come, see)

($\frac{1}{2} \times 10 = 5$ marks)

6. Rewrite the sentences as directed. The meaning should remain unchanged:

6A. A house is bigger than a hut.

Begin: A hut _____.

6B. The Pacific Ocean is the deepest ocean. Use: deep

6C. Many people learn to play a musical instrument. It gives them a great deal of pleasure.

Begin: Playing _____.

6D. Where does she live? Her friend does not know it.

Begin: Her friend _____.

6E. Do not drop the mud pot. It will break.

Begin: In case of _____.

6F. The men failed to reach home early because the weather was bad.

Begin: Because of _____.

6G. Do not smoke cigarettes. It is bad for health.

Begin: Smoking _____.

6H. Though he worked hard, She could not come up well in real life.

Begin: Despite _____.

6I. The doll was so expensive that she could not buy it.

Use: too.....to

6J. She went to several shops so that she could select the best product.

Use: in order to

($\frac{1}{2} \times 10 = 5$ marks)

PHONETICS

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

7A. Articulators

7B. Alveolar ridge

7C. Allophone

7D. Free and bound morphemes

7E. Compound word

7F. Stress

7G. Strong and weak forms

7H. Plosives.

($2\frac{1}{2} \times 6 = 15$ marks)

8. Identify whether the statements in respect of phonetics are True or False:

8A. When vowel phonemes are articulated vocal vibrates.

8B. The phoneme |b| is a voiceless bilabial plosive.

8C. The English word shoe is a free morpheme.

8D. In the English word knee there are two phonemes.

8E. Soft palate is also known as velum.

8F. Long vowels and short vowels have a common name – monophthongs.

($1 \times 6 = 6$ marks)

9. Fill in the blanks using the appropriate words:

- 9A. The tongue is an _____ articulator.
9B. The phoneme _____ never ends a word in English speech system.
9C. The number of diphthongs in English speech is _____.
9D. _____ is the weak of is, and has in some situations.
9E. _____ is a voiced alveolar nasal phoneme.
9F. 'Articulation' has _____ syllables in it.
9G. |ʌ| in cup is a _____ vowel.

(1×7 = 7 marks)

10. Rewrite the following into phonemic transcription:

- 10A. ring
10B. cord
10C. bunch
10D. reaper
10E. grief
10F. thrill
10G. food
10H. hungry.

(1/2×8 = 4 marks)

US ENGLISH

- 11A. Write briefly the phonological syntactic and semantic differences between US English and UK English.
11B. Give three words used as political terms by Americans.
11C. What do the following idioms mean?
i) We shall have something to eat as soon as we hit the town.
ii) When elders were talking to each other Raj buttoned his lips.
iii) Hit the brakes. I can't catch up with you.
iv) Get on the horn and call the police.
11D. The following expressions or words are heard in American English. What do they mean?
i) huh
ii) hubby
iii) plastic
iv) cement mixture.

(5+3+4+4 = 16 marks)

