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MANIPAL UNIVERSITY

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

SUBJECT: ANATOMY

Monday, June 09, 2008

Time available: 1½ Hours

Maximum Marks: 40

All questions are compulsory.

1. Name the endocrine glands and describe the “thyroid gland”.

(2+8 = 10 marks)

2. Write briefly on:

2A. Pleura

2B. Tongue

2C. Uterus

2D. Functional areas of cerebral hemisphere

2E. Synovial joint

2F. Right atrium

(5×6 = 30 marks)



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MANIPAL UNIVERSITY

FIRST YEAR B.Sc. M.I.T./FIRST SEMESTER B.Sc. HIA. DEGREE EXAMINATION – JUNE 2008

SUBJECT: PHYSIOLOGY

Tuesday, June 10, 2008

Time: 1½ Hrs.

Max. Marks: 40

✍ Answer **ALL** questions.

1. Write Short notes on:

- 1A. Sequence of events involved in pain perception.
- 1B. Regulation of arterial blood pressure.
- 1C. Regulation of plasma calcium level.
- 1D. Lung volumes and capacities.
- 1E. Functions of kidney.

(5×5 = 25 marks)

2. Write brief answers to the following:

- 2A. What is presbyopia? Give its cause.
- 2B. Name any two functions of liver.
- 2C. What is acromegaly? Give any two clinical features of the same.
- 2D. Name the protein that converts angiotensinogen to angiotensin I. Where is it secreted?
- 2E. Name the different types of cells in the stomach. Mention the secretion of any one type of cell.

(2×5 = 10 marks)

3. Indicate whether the following statements are True or False.

- 3A. Deficiency of cortisol leads to hyperglycemia.
- 3B. Nitric oxide is a neurotransmitter.
- 3C. Estrogen causes secretory changes in endometrium.
- 3D. Excess secretion of Prolactin inhibits ovulation.
- 3E. Platelets are responsible for clot retraction.

(1×5 = 5 marks)



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

Wednesday, June 11, 2008

Time available: 3 Hours

Maximum Marks: 80

1. Give the correct form of question tags for the following statements. The receiver agrees with the statement.

- 1A. Fire burns,
- 1B. Peacocks can't fly high,
- 1C. Grass does not grow on deserts,
- 1D. Cheaters won't prosper,
- 1E. Lazy workers don't get promotion,
- 1F. Communication skill is very important,
- 1G. Last summer you spent your holidays in your village,
- 1H. You couldn't get on the crowded bus,
- 1I. Japanese are passive by nature,
- 1J. There aren't any mosquitoes in your house,

 $(\frac{1}{4} \times 10 = 2\frac{1}{2} \text{ marks})$ **2. Convert the following statements into negatives and then into questions:**

- 2A. Sheep have entered our/garden.
- 2B. We switch off the lights at 10 o'clock.
- 2C. Mother gets up very early every day.
- 2D. We sold lots of coconuts last year.
- 2E. Some people grow their own vegetables.
- 2F. Sharat has bought a new car.
- 2G. Rita will be here in a few minutes.
- 2H. Village life brings me peace and joy.
- 2I. My brother can solve any problem in mathematics.

 $(\frac{1}{2} \times 9 = 4\frac{1}{2} \text{ marks})$ **3. Rewrite the sentences into the other voice active to passive or vice versa:**

- 3A. Our grandmother tells us interesting stories.
- 3B. This plan is opposed by lots of people.
- 3C. Lions and tigers can be seen in zoos.
- 3D. The sick man was taken to the hospital by some good people.
- 3E. Four strangers are pushing the lorry.
- 3F. My friend will receive me at the station.
- 3G. Students are doing this.
- 3H. Those boys couldn't have carried this cupboard to the next room.
- 3I. This building should be completed in two months.
- 3J. You have seen me before.

 $(1 \times 10 = 10 \text{ marks})$

4. Put the following sentences into reported speech with the opening words given:

- 4A. Suma said, 'I can write with my left hand'.
Suma boasted _____.
- 4B. 'I have something to give you', I said to her. I told her _____.
- 4C. 'At what time does the concert start?' Gowri said to her father _____.
Gowri wanted to know form _____.
- 4D. Shaw said to the policeman, 'I saw the thief hiding in the garden.'
Shaw informed the policeman _____.
- 4E. I said to my friend, 'May I open the window?'
I asked my friend _____.
- 4F. 'Get your hair cut every month', mother said to Harish.
Mother advised Harish _____.
- 4G. 'Don't wipe your dirty hands on my clean table cloth, please,' my friend said to me. My friend requested me _____.
- 4H. Ravi said to mohan, 'Why are you sad?'
Ravi asked mohan _____.
- 4I. Abdul said to Kiran, 'when did you buy this shirt?'
Abdul asked Kiran _____.
- 4J. 'I was working in the garden this morning,' uncle said to my father.
Uncle informed my father _____.

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

5. Fill in the blanks using the correct tense of the verbs given in the bracket:

- 5A. My sister is very clever with her needles. She always _____ her own dresses. (make)
- 5B. The little boy has just fallen down, and cut his knee. It -still _____ (bleed)
- 5C. The teacher is sixty, but he doesn't want to retire. I think he _____ still _____ when he is 70.
(work)
- 5D. When I left home this morning, it _____ very heavily. (rain)
- 5E. By the time we get to the party, everything _____ (eat)
- 5F. Last year I _____ to my school everyday. (walk)
- 5G. When Subash entered home, the thief _____ already _____.(escape)
- 5H. I _____ sumitra since June.(not see)
- 5I. How long _____ in this town? (live)
- 5J. When I opened the window and looked out, the ground was wet. It _____ (rain)

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

6. Rewrite the sentences as directed without altering the meaning:

- 6A. The bicycle is old, but it is in good condition.
Begin: Despite ...
- 6B. It was a big car. We could all get inside.
Use: 'such a'
- 6C. Do not take too many tablets. It is dangerous.
Use: to take
- 6D. Your car is noisier than my car.
Use: noisy

- 6E. Drive carefully, or else you will meet with an accident.
Begin: if ...
- 6F. He is very little, and he cannot understand the difficulty.
Use: too ...to
- 6G. Ranjit was pressing his clothes, at that time someone entered the house.
Begin: As...
- 6H. My sister is tall, and I am very tall.
Use: taller
- 6I. Switch off the light, and then go to bed.
Use: until
- 6J. She wanted to enjoy the music. She occupied the seat in the front row.
Combine using 'in order to'

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

PHONETICS

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

- 7A. Vocal chords
- 7B. Linking r
- 7C. Pairs of minimal contrast
- 7D. Labio – dentals
- 7E. Prefixes and suffixes
- 7F. Syllabic consonants
- 7G. Intonation
- 7H. Dark I

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

8. Say whether the statements below, in reference to phonology are true or false.

- 8A. English phoneme /t/ is a voiceless alveolar plosive.
- 8B. /u:/ is a back, long rounded vowel.
- 8C. The English word country has two syllables.
- 8D. The vowel in wood is long.
- 8E. The letter r is never pronounced in isolation when it occurs at the end.
- 8F. In the inflectional morphology, the suffix does not change the parts of speech.

($1 \times 6 = 6$ marks)

9. Fill in the gaps using the right word:

- 9A. The vowel phoneme _____ is high long and front.
- 9B. The English word 'tongue' has _____ phonemes.
- 9C. The roof of the mouth is divided into _____ parts.
- 9D. S in 'bags' is an example of _____ assimilation.
- 9E. An approximant has the quality of a _____
- 9F. The name of the English letter O is a _____
- 9G. 'Understandable' is a _____ morpheme.

($1 \times 7 = 7$ marks)

10. Transcribe the words into IP symbols:

- 10A. shirt
- 10B. tune
- 10C. shell
- 10D. room
- 10E. think
- 10F. feast
- 10G. ton
- 10H. hundred

($\frac{1}{2} \times 8 = 4$ marks)

US ENGLISH

11A. Some English words are spelt differently by US English speakers. Mention any six of them.

(3 marks)

11B. What is a discount house?

(1 marks)

11C. What do the following mean in English (B.E)

- Hit the road
- Made a killing
- Shoot the breeze
- Shell out
- Spilled the beans
- Paid through the nose

($1 \times 6 = 6$ marks)

11D. How are the following words pronounced by American English speaker. Say it in phonemic symbols.

- i) dance
- ii) news
- iii) Z
- iv) grass

($1 \times 4 = 4$ marks)

12. Give the US English equivalents for the following:

- 12A. Traffic light
- 12B. Sleeping policeman
- 12C. What's happening
- 12D. Stolen car

($\frac{1}{2} \times 4 = 2$ marks)

