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MANIPAL UNIVERSITY

FIRST SEMESTER B.Sc. N.M.T./B OPTOM./B.Sc. H.I.A./B.Sc. M.L.T./B.Sc. P.F.T.

DEGREE EXAMINATION – JUNE 2016

SUBJECT: ANATOMY/GENERAL ANATOMY

(COMMON FOR NMT 103/BOP 101:GS-2012 BATCH/BHI 101:CBS-2015 & 2014/BLT 101/PFT 101:CBS)

Thursday, June 16, 2016

Time: 10.00-11.30 Hrs.

Max. Marks: 40

✍ **Answer ALL the questions.**

1. Name the parts of female reproductive system. Describe the uterus in detail.

(4+6 = 10 marks)

2. **Write short notes on:**

2A. Aorta

2B. Pancreas

2C. Vas deferens

2D. Thalamus

2E. Paranasal air sinus

2F. Fallopian tube / uterine tube

(5 marks × 6 = 30 marks)

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

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

Saturday, June 18, 2016

Time: 10:00 – 11:30 Hours

Maximum Marks: 20

1. **Essay questions:**

1A. Draw a neat labeled diagram of oxygen hemoglobin dissociation curve. List any two factors shifting the curve to the right.

1B. Draw a neat labeled diagram of an ECG from limb lead II. Mention the causes for different waves.

(5 marks × 2 = 10 marks)

2. **Write short answers for the following:**

2A. Mention two functions of plasma proteins

2B. Define the terms endosmosis and exosmosis

2C. What is presbyopia? Name the lens used in its correction

2D. Write two differences between red and white muscle fibers

2E. State Landsteiner's law

(2 marks × 5 = 10 marks)

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

SUBJECT: BHI 105: ENGLISH
(CREIDT BASED SYSTEM – 2015 SCHEME)

Tuesday, June 21, 2016

Time: 10:00-13:00 Hrs

Maximum Marks: 80

GRAMMAR

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

1A. My friend said, "Oh! What a cold weather!"

1B. I helped him carry it.

1C. The weather was very cold.

1D. We didn't spend the night there.

1E. We got back home late at night but we didn't go to sleep immediately.

(1 mark × 5 = 5 marks)

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

2A. They have read this book, _____?

2B. Mahesh speaks the truth, _____?

2C. Sheela enjoyed the English class, _____?

2D. The peacock has beautiful feathers, _____?

2E. I am always fair, _____?

(1 mark × 5 = 5 marks)

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

3A. Raksha has signed this letter.

3B. They look after the patients well.

3C. Some letters have been written by John.

3D. When will the car be washed?

3E. I was given a book.

3F. You should not have made the mistake.

3G. Our teacher gave us an English surprise test.

3H. The work will be done by him.

3I. Mary is writing letter to her mother.

3J. William Shakespeare wrote *Hamlet.*

(1 mark × 10 = 10 marks)

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

4A. Sunil said,' I did the homework last night,'
Sunil said _____.

4B. My friend told me,' The train leaves the station a 10 pm every day.'
My friend told _____.

4C. I said to the man at the enquiry counter,' When was the timetable changed?'
I asked _____.

4D. 'What a beautiful house!' he said.
He exclaimed _____

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

12A. Boy

12B. Man / Guy

12C. Lady

12D. Policeman / Cop

12E. Mailman

12F. Garbage Man

12G. Friend / Buddy

12H. Teller

12I. Lawyer / attorney

12J. Janitor

(1 mark × 10 = 10 marks)