

Code No.

Symbol Number: _____ Invigilator's Sign: _____ Superintendent's Sign: _____

Symbol No. in Words: _____

Faculty: **Medicine and Allied Health Sciences** Level: **Bachelor**Year/Part: **I/II**Program: **Bachelor of Pharmacy**Level: **Bachelor**F.M.: **50**Subject: **Anatomy & Physiology II (BP201)**Time: **3 Hours**P.M.: **20**

- i. Answers should be given by filling the Objective Answer Sheet.
- ii. Rough can be done in the main answer sheet
- iii. Maximum time of 20 minutes within the total time is given for this group.

Group A (Multiple Choice Questions)**[10×1=10]**

1. Which of the following is the basic structural unit for gas exchange in the lung?
 - a. Terminal bronchioles
 - b. Respiratory bronchioles
 - c. Alveoli
 - d. Alveolar ducts
2. Which of the following is NOT a constituent of gastric juice?
 - a. hydrochloric acid
 - b. intrinsic factor
 - c. .mucus
 - d. trypsinogen
3. Which of the following is a component of the renal corpuscle?
 - a. Glomerulus
 - b. Bowman's capsule
 - c. Afferent arteriole
 - d. Both a and b
4. Which of the following component of Juxta-glomerular apparatus act as chemoreceptor?
 - a. Juxta-glomerular cells
 - b. Lacis cells
 - c. .Macula Densa
 - d. Mesangial cells.
5. Which of the following hormones inhibits ovulation by inhibiting GnRH when present in high concentrations?
 - a. FSH
 - b. Prolactin
 - c. LH
 - d. Oxytocin
6. Which of these terms best describes the interactions of insulin and glucagon?
 - a. Synergistic
 - b. Antagonistic
 - c. Permissive
 - d. Cooperative
7. The cervix is the portion of
 - a. Vulva
 - b. Vagina
 - c. Uterine tube
 - d. Uterus
8. Conduction of sound from the middle ear to the internal ear occurs via vibration of the
 - a. Malleus against the tympanic membrane,
 - b. Stapes in the oval window
 - c. Incus in the round window
 - d. Tympanic membrane against the stapes.
9. Which of these sensory modalities is transmitted directly to the cerebral cortex without being relayed through the thalamus?
 - a. Taste
 - b. Hearing
 - b. Touch
 - d. Smell
10. Which of the following is not a nitrogenous base present in a DNA molecule?
 - a. Adenine
 - b. Thymine
 - c. Uracil
 - d. Guanine

Multiple Choice Questions' Answer Sheet

Code No. _____

Marks Secured: _____

Corrected Fill			
<input type="radio"/> A	<input type="radio"/> B	<input type="radio"/> C	<input type="radio"/> D
Incorrected Fill			
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In Words: _____

Examiner's Sign: _____ Date: _____

Scrutinizer's Marks: _____

In Words: _____

Scrutinizer's Sign: _____ Date: _____

1. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D	6. <input type="radio"/> A <input type="radio"/> B <input type="radio"/> C <input type="radio"/> D
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MANMOHAN TECHNICAL UNIVERSITY

Office of the Controller of Examinations

Budiganga- 4, Morang, Koshi Province, Nepal

Faculty: Medicine and Allied Health Sciences

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- ✓ *Group A contains Multiple Choice Questions of 10 marks.*
- ✓ *Candidates are required to give their answers in their own words as far as practicable.*
- ✓ *The figures in the margin indicate Full Marks.*
- ✓ *Assume suitable data if necessary.*

GROUP B (Problem Based Question)

[1x10=10]

1. A 35-year-old woman presents complaining of nervousness, difficulty concentrating, restlessness, and insomnia. She has lost 25 pounds over the past 6 weeks and complains of heat intolerance. Physical examination reveals a 1 cm nodule in the left side of neck just below larynx..
 - a. Mention the organ involved in this case.
 - b. Describe its structure.
 - c. Describe regulation of its hormone secretion.

GROUP C (Long Answer Questions - Attempt Any Four)

[4x5=20]

2. Draw a well labeled diagram of coronal section of kidney.
3. Draw a labeled diagram of eyeball.
4. Describe about regulation of blood glucose level.
5. Describe about mechanism of urine formation.
6. Explain about female reproductive cycle.

GROUP D (Short Answer Question- Attempt any five)

[5x2=10]

7. Define vital capacity?
8. Write about respiratory membrane.
9. Name the cartilage of larynx.
10. Define nephron and mention its type.
11. Name the cells of anterior pituitary gland.
12. Define chromosome and mention its types.

THE END