

Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER M.Sc. YOGA THERAPY DEGREE EXAMINATION – AUGUST 2024

SUBJECT: MYT 5002 - AN INTRODUCTION TO YOGA - II

Thursday, August 01, 2024

Time: 10:00 – 12:30 Hrs.

Max. Marks: 50

1. **Answer the following:**

- 1A. Explain preparation for dhyana according to BG.
- 1B. Explain anubandha chatustaya.
- 1C. Explain panchakosha theory.

(10 marks × 3 = 30 marks)

2. **Write the short notes on the following:**

- 2A. Vairaja pranava
- 2B. Shravana
- 2C. Characters of atma according to BG
- 2D. Tapas

(5 marks × 4 = 20 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND SEMESTER M.Sc. YOGA THERAPY DEGREE EXAMINATION – AUGUST 2024
SUBJECT: MYT 5004 – BASIC HUMAN ANATOMY

Friday, August 02, 2024

Time: 10:00 – 12:30 Hrs.

Max. Marks: 50

1. Answer the following in one word or one sentence each:

- 1A. Name the plane that divides the body into anterior and posterior parts.
- 1B. Mention any two types of synovial joints
- 1C. Give one example of irregular bone.
- 1D. Give an example for muscular or medium sized artery
- 1E. Name the parts of pituitary gland.
- 1F. Name the layers of pleura
- 1G. Name the ventricles of the brain
- 1H. Name the epithelium of ureter
- 1I. Name any four lobes of cerebrum.
- 1J. Name the organ present anterior to the uterus.

(1 mark × 10 = 10 marks)

2. Write short notes on the following:

- 2A. Pericardium
- 2B. Stomach
- 2C. Paranasal air sinuses
- 2D. Thyroid gland
- 2E. Testis

(4 marks × 5 = 20 marks)

3. Explain the following:

- 3A. Mention the parts of the digestive system. Explain the tongue in detail
- 3B. Explain the features of heart. Add a note on its blood supply

(10 marks × 2 = 20 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION
SECOND SEMESTER M.Sc. YOGA THERAPY DEGREE EXAMINATION – AUGUST 2024
SUBJECT: MYT 5006 – PHYSIOLOGY

Time: 10:00 – 12:30 Hrs.

Saturday, August 03, 2024

Max. Marks: 50

✍ Answer all questions and draw labelled diagrams wherever necessary.

1. Answer the following multiple choice questions:

- 1A. Which of the following is the normal range of WBC count in circulation?
 - A) 4000 to 11,000 cells/mm³
 - B) 20,000 to 30,000 cells/mm³
 - C) 1.4 to 2 million cells/mm³
 - D) 5 to 5.5 million cells/mm³

- 1B. Which of the following ions is in highest concentration in ECF?
 - A) Potassium
 - B) Sodium
 - C) Magnesium
 - D) Calcium

- 1C. Normal value for GFR is
 - A) 120 ml/min
 - B) 200ml/ day
 - C) 180L/min
 - D) 120L/day

- 1D. Which of the following blood vessels are resistance vessels?
 - A) Aorta
 - B) Capillaries
 - C) Veins
 - D) Arterioles

- 1E. Which of the following is a descending tract?
 - A) Lateral spinothalamic tract
 - B) Anterior spinothalamic tract
 - C) Corticospinal tract
 - D) Dorsal column tract

- 1F. Following are the functions of saliva EXCEPT
 - A) lubrication of food
 - B) facilitation of speech
 - C) digestion of starch
 - D) digestion of protein

1G. The main hormone responsible for ovulation is

- A) FSH
- B) LH
- C) PTH
- D) TSH

1H. Which of the following endocrine disorders is characterized by hyperpigmentation?

- A) Myxedema
- B) Addison's disease
- C) Acromegaly
- D) Hypoparathyroidism

1I. The refractory error in which the image is formed in front of the retina is

- A) myopia
- B) hypermetropia
- C) presbyopia
- D) astigmatism

1J. Normal respiratory rate is

- A) 6-8 breaths /min
- B) 12-16 breaths /min
- C) 25-35 breaths /min
- D) 30-40 breaths /min

(1 mark \times 10 = 10 marks)

2. **Answer the following:**

- 2A. Define cardiac output. Mention its normal value
- 2B. Mention any two functions of blood
- 2C. Draw a labelled diagram of a nephron
- 2D. Mention the cause and any two clinical features of gigantism
- 2E. List any two functions of middle ear

(2 marks \times 5 = 10 marks)

3. **Write short notes of the following:**

- 3A. Describe the functions of hypothalamus
- 3B. Mention the stages of deglutition. Explain any one stage
- 3C. Mention the phases of menstrual cycle. Describe any one phase
- 3D. Describe the regulation of arterial blood pressure by baroreceptor reflex mechanism in the form of a flow chart
- 3E. Draw and label the nerve action potential and mention the ionic basis for different phases of the action potential.
- 3F. Name the muscles of inspiration. Describe the mechanism of inspiration

(5 marks \times 6 = 30 marks)

