

Question Paper

Exam Date & Time: 25-Jan-2023 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER M.Sc. (RT) ADULT RESPIRATORY CARE / M.SC. (RT) NEONATAL & PAEDIATRIC RESPIRATORY CARE DEGREE EXAMINATION - JANUARY 2023
SUBJECT: RES5001- MEDICAL TERMINOLOGY
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) List and explain briefly about five pathological conditions associated with the urinary system. List and explain briefly about any five medical or surgical procedures that are used to diagnose or treat urinary system disorders. (20)
(10+10 = 20 marks)
- 2) List five parts of neurons. List five medical or surgical procedures used to treat and diagnose neurological disorders. Explain briefly about five conditions that affect the central nervous system. (20)
(5+5+10 = 20 marks)
- 3A) List and define any five pathological conditions and five surgical procedures used to treat cardiovascular disorders. (10)
- 3B) Build medical terms for the following descriptions: (10)
- i) Poisonous to the heart
 - ii) Backflow or ejecting of contents through an opening
 - iii) Inflammation of blood vessels
 - iv) Pertaining to the heart
 - v) Destruction of a blood clot
 - vi) Instrument for recording electrical activity of the heart
 - vii) Pertaining to the area around the heart
 - viii) Destruction of a blood clot using anticlotting agents.
 - ix) Tumour composed of fatty plaque
 - x) Pertaining to within a vessel
- 3C)) List and explain the therapeutic action of any five drugs used to treat respiratory disorders (10)
- 3D) Split the following medical terms into its components: (10)
- i) Encephal meningitis
 - ii) Aortostenosis
 - iii) Tracheoplasty
 - iv) Laryngoplegia
 - v) Brachytherapy
 - vi) Anorchism
 - vii) Uterovaginal
 - viii) Metroptosis
 - ix) Salpingoplasty
 - x) Pyorrhea
- 4A) List five diseases or conditions affecting the cardiovascular system. (5)
- 4B) Build medical words that mean: (5)
- i) Removal of a lung

- ii) Absence of the sense of smell
- iii) Removal of an embolus
- iv) Pus in the urine
- v) Difficulty in swallowing or eating

4C) Name any five diagnostic imaging procedures. (5)

4D) Identify the word roots in the following medical terms: (5)

- i) Microscope
- ii) Balanoplasty
- iii) Varicocele
- iv) Thyromegaly
- v) Diplopia

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FIRST SEMESTER M.Sc. (RT) ADULT RESPIRATORY CARE / M.Sc. (RT) NEONATAL & PAEDIATRIC RESPIRATORY CARE DEGREE EXAMINATION - JANUARY 2023

SUBJECT: RES5003- CLINICAL ANATOMY AND PHYSIOLOGY FOR RESPIRATORY CARE
(2021 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

- 1) Summarize the coronary circulation. Describe in details the events of cardiac cycle. (20)
(10+10 = 20 marks)
- 2) Outline the relationship between the obstructive lung diseases and work of breathing. Explain the lung characteristics in relation with the obstructive lung diseases. (20)
(10+10 = 20 marks)
- 3A) Explain the physiology of pulmonary circulation in details. (10)
- 3B) Describe how lung, chest wall, and total compliance are related. (10)
- 3C) Write a note on hyperkalaemia and hypernatremia. (10)
- 3D) Summarize oxygen dissociation curve and factors affecting it. (10)
- 4A) Describe the key elements of fetal circulation. (5)
- 4B) Describe flow-volume loop in a spirometry for restrictive lung disease. (5)
- 4C) Explain metabolic acidosis. (5)
- 4D) Define time constant and write a note on its clinical significance. (5)

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