

Question Paper

Exam Date & Time: 26-Jul-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER B.Sc. RESPIRATORY THERAPY DEGREE EXAMINATION - JULY 2022
SUBJECT: BRES 103 - MEDICAL TERMINOLOGY
(2016 RV SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

1. What is the medical term for the following?

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| 1A) | Inflammation of pericardium. | (1) |
| 1B) | Accumulation of fluid within the brain. | (1) |
| 1C) | Irrational fear of closed spaces. | (1) |
| 1D) | Study of the human mind and its functions. | (1) |
| 1E) | Abnormal enlargement of spleen. | (1) |
| 1F) | Inflammation of a vein. | (1) |
| 1G) | The vomiting of blood. | (1) |
| 1H) | Surgical removal or excision of uterus. | (1) |
| 1I) | Puncture a cavity to remove fluid. | (1) |
| 1J) | Slow heart rate. | (1) |

2. What is the meaning for the following?

- | | | |
|-----|------------------|-----|
| 2A) | Lobectomy | (1) |
| 2B) | Bronchospasm | (1) |
| 2C) | Eosinophilia | (1) |
| 2D) | Vasectomy | (1) |
| 2E) | Dyspnea | (1) |
| 2F) | Hyperventilation | (1) |
| 2G) | Gastritis | (1) |
| 2H) | Hematology | (1) |
| 2I) | Dermatologist | (1) |
| 2J) | Tracheomalacia | (1) |

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|-----|---|-----|
| 3A) | Fill in the blanks with appropriate suffixes.
i) Hypo----- | (5) |
|-----|---|-----|

- ii) Poly-----
- iii) Anti-----
- iv) Homo-----
- v) Cardio-----

- 3B) List the suffix and prefix in the following medical terms: (5)
- i) Mastectomy
 - ii) Abdominoplasty
 - iii) Pericardiocentesis
 - iv) Appendicitis
 - v) Orthodontics
- 3C) List Ten medical terms from Respiratory System. (5)
- 3D) Describe the following words: (5)
- i) Carcinoma
 - ii) Quadriplegia
- 4A) Mention the suffix and prefix in the medical terms: (2)
- i) Dysmenorrhea
 - ii) Pancreatitis
- 4B) Write any two parts of brain. (2)
- 4C) Name any two surgical procedures done in digestive system. (2)
- 4D) Mention the basic elements of the following medical terms: (2)
- i) Sinusitis
 - ii) Platypnea
- 4E) Elaborate the following abbreviations: (2)
- i) AIDS
 - ii) UTI

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Question Paper

Exam Date & Time: 28-Jul-2022 (10:00 AM - 12:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

FIRST SEMESTER B.Sc. RESPIRATORY THERAPY / B.Sc. ANAESTHESIA & OPERATION THEATRE TECHNOLOGY
DEGREE EXAMINATION - JULY 2022

SUBJECT: BRES 101 / BAOTT 101 - RESPIRATORY CARE EQUIPMENT
(2016 RV / 2019 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

1. Long answer :

- 1A) Explain the operational theory of a Thorpe tube flowmeter and a Bourdon flowmeter with help of a diagram. (10)
(5+5 = 10 marks)
- 1B) Describe the parts of an Endotracheal Tube with help of a diagram. Explain the ways to confirm the position of Endotracheal Tube. (10)
(6+4 = 10 marks)

2. Short answer :

- 2A) You are a respiratory therapist caring for a patient who must go on an external transport to another hospital that is approximately two hours away. The patient is on a 4 Lpm nasal cannula. Upon setting up the oxygen E cylinder, you note that the tank pressure is 2,000 psi. Calculate the duration of flow (5)
(The Cylinder factor of E cylinder oxygen is 0.28)
- 2B) Explain the mechanism of humidification and the hazards associated with humidity therapy. (5)
(2+3 = 5 mark)
- 2C) Explain the Helium dilution technique used for measurement of FRC and residual volume. (5)
- 2D) Explain the principle of Incentive Spirometry. Also, add a note on Flow displacement incentive spirometer. (5)

3. Very short answers :

- 3A) Explain Apnoea Hypopnea Index. (2)
- 3B) List any two indications for the use of Non-invasive ventilator. (2)
- 3C) Explain modified Allen's test. (2)
- 3D) Define Boyle's law and write one of its clinical applications (2)
- 3E) Enlist four organisms associated with nosocomial pneumonia. (2)

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