

# Question Paper

Exam Date & Time: 25-Apr-2022 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER B.Sc. RESPIRATORY THERAPY DEGREE EXAMINATION - APRIL 2022  
SUBJECT: BRES 303 - HEALTHCARE MANAGEMENT AND LAW  
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

### 1. LONG ESSAY QUESTIONS:

- 1A) Define emergency. What are the functions of emergency department? Enumerate the advantages and disadvantages of different types of designs of emergency department (10)
- 1B) Explain Henry Fayol's principles of management (10)

### 2. SHORT ANSWER QUESTIONS:

- 2A) What are the leadership styles adopted in managing organizations? Explain any two of them (5)
- 2B) Explain the role of a respiratory therapist in a medical intensive care unit (5)
- 2C) What are the uses of Hospital Statistics? Describe any five hospital statistics that are collected by Hospital Management (5)
- 2D) Explain the relation between managerial skills and organizational hierarchy (5)

### 3. SHORT QUESTIONS:

- 3A) Mention the Different types of Inpatient ward designs (2)
- 3B) Give two examples for a medicolegal case (2)
- 3C) Name the different types of indicators used in CSSD (2)
- 3D) Mention a few occupational hazards in a hospital (2)
- 3E) What are the different methods for treatment and disposal of biomedical waste? (2)

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# Question Paper

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



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER B.Sc. RESPIRATORY THERAPY DEGREE EXAMINATION - APRIL 2022  
SUBJECT: BRES 305 - NEONATAL RESPIRATORY CARE  
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

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| 1)  | Classify Meconium aspiration syndrome (MAS). Write a note on management of MAS.  | (10) |
| 2)  | Enlist cyanotic and acyanotic congenital heart diseases.   | (10) |
| 3A) | Management of congenital diaphragmatic hernia.   | (5)  |
| 3B) | Write a note on chest radiographic stages of RDS.  | (5)  |
| 3C) | State the temperature ranges of the following:<br>i) Normal newborn temperature<br>ii) Mild hypothermia<br>iii) Moderate hypothermia<br>iv) Severe hypothermia<br>v) Cold stress | (5)  |
| 3D) | Write a note on fetal circulation.   | (5)  |
| 4A) | Enlist 4 indications of CPAP in a neonate.   | (2)  |
| 4B) | If the neonate weighs 2 kgs, what is the initial dose of Survantu you will administer in millilitres?  | (2)  |
| 4C) | Define Apnea of prematurity.   | (2)  |
| 4D) | Enlist Any FOUR causes of PPHN.  | (2)  |
| 4E) | Write TWO complications of excessive oxygen administration in neonates.  | (2)  |

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# Question Paper

Exam Date & Time: 27-Apr-2022 (10:00 AM - 12:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

FIFTH SEMESTER B.Sc. RESPIRATORY THERAPY DEGREE EXAMINATION - APRIL 2022  
SUBJECT: BRES 307 - CRITICAL CARE MONITORING AND MANAGEMENT  
(2016 SCHEME)

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Write the causes for congestive heart failure (CHF). Write the pathophysiology and management of CHF. (10)  
(3+3+4 = 10 marks)
- 2) Define Systemic inflammatory response syndrome (SIRS). Explain the management for Septic shock. (10)  
(4+6 = 10 marks)
- 3A) A 55-year-old male came to ED with complaints of palpitations and angina. On examination he had a BP of 80/60mmHg. A 12-lead ECG was taken and the ECG is attached below. Identify the rhythm and explain the stepwise management for this patient. (5)



- 3B) Elaborate on the types of Intercostal drainage bottle system. (5)
- 3C) Briefly describe the management strategies for chronic renal failure. (5)
- 3D) List the indications and the functions of pacemaker. (5)
- 4A) Define transient ischemic attack. (TIA) (2)
- 4B) Write any four clinical manifestations of patients with increased intracranial pressure. (2)
- 4C) List any two causes for obstructive shock. (2)
- 4D) Mention any four complications of arterial puncture for blood gas testing. (2)
- 4E) Draw a neat-labelled diagram of normal central venous pressure. (2)

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