



**Respiratory Technology – Applied – Paper-II (RS-3)**  
**Q.P. CODE: 3362**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Second Question Choice)**

**2 x 10 = 20 Marks**

1. Write in detail on troubleshooting of ventilator alarms and its events
2. Discuss about the principles and physic of electrocardiography, types of echo, modes and views used in transthoracic echocardiography

**OR**

Write a note on ischemic and hemorrhagic stroke

**SHORT ESSAYS (Question No 5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Write a note on right axis deviation
4. Write a note on obstructive shock, mechanism, pathophysiology and management
5. Write in detail on phase variables

**OR**

Write in detail on spontaneous breathing trial

6. Inhaled nitric oxide - technical aspects, indication and exclusion criteria
7. Write in detail tracheostomy tubes
8. Write a note on capnograph and their abnormalities
9. Management of specific types of burns
10. Write a note on carbon monoxide poisoning and management

**OR**

Write a note ST, PR, QT interval on an ECG

11. Goals of long-term mechanical ventilation and its complications
12. Write a note on airway pressure release ventilation

**SHORT ANSWER**

**10 x 3 = 30 Marks**

13. Cardioverter
14. Plateau pressure
15. Glasgow coma scale GCS
16. Pulmonary angiogram
17. Auto peep
18. Cardiac tamponade effect
19. Speaking valves
20. Muscle relaxants
21. Mention any three renal effects of mechanical ventilation
22. Indication for oxygen therapy