

ANDHRA PRADESH PARAMEDICAL BOARD, HYDERABAD

COMBINED PARAMEDICAL (REGULAR) EXAMINATIONS, DECEMBER, 2017

DIPLOMA IN PERFUSION TECHNICIAN COURSE

PAPER II

Patho Physiology, Pharmacology & Perfusion Technics

Time: 3hrs.

Answer any **TEN** Questions

Total Marks:80

All Questions carry equal marks

Write the entire answer to a question at one place only but not in different stages

1. What is "Adequacy of perfusion" during cardio-pulmonary bypass? What are the factors affecting this? What are the normal arterial flow rates used? (2+4+2)
2. Mention the important complications that can occur after cardio-pulmonary bypass. Write briefly on "post-perfusion syndrome" and neurological complications. (4+2+2)
3. Draw an explanatory diagram representing the cardio-pulmonary bypass circuit and label. Write briefly on venous cannulation and arterial cannulation methods. (4+3+1)
4. Write short notes on a) Vents in Cardiopulmonary bypass
b) Tubing and connectors in CPB (4+4)
5. Mention the surgical procedures where cardio pulmonary bypass Used? Write briefly the steps in cardio-pulmonary bypass technique. (3+5)
6. Write a brief note on the following drugs in CTVS. (3+3+2)
a) Heparin b) Protamine c) dobutamine
7. Write the differences between adult and pediatric perfusion techniques

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