



Fellowship Course

WRITTEN EXAMINATION SHORT ANSWER QUESTIONS

EXAMINATION TIME: 45 minutes

Question 1 (14 marks)

You are a consultant in charge in a tertiary emergency department at 2300 hrs. You overhear a junior medical officer- who recently commenced night shift- asking a nursing staff member to arrange the discharge of a 72 year-old man, whom he has diagnosed with renal calculi. Nursing staff express their concerns with you as they state that the patient has ongoing right sided abdominal pain. You have not worked with the medical officer before.

a) State five steps (5) that you would take in this circumstance. (5 marks)

1. _____
2. _____
3. _____
4. _____
5. _____

b) State five (5) limitations to the performance of bedside ultrasound to rule out AAA for this patient. (5 marks)

1. _____
2. _____
3. _____
4. _____
5. _____

Question 1 (continued)

c) State four (4) ultrasound features that are consistent with AAA rupture. (4 marks)

1. _____

2. _____

3. _____

4. _____

Question 2 (17 marks)

A 45 year old female presents with 2 days of sharp chest pain and dyspnea since his return from overseas.

a) List four (4) ECG signs of right heart strain that might be found on the ECG of a patient with massive PE. (4 marks)

1. _____

2. _____

3. _____

4. _____

c) List six (6) causes for a rightward axis on ECG. (6 marks)

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Question 2 (continued)

b) List six (6) cardiovascular and one (1) lung signs on bed side Sonography/Echocardiography that can be suggestive of a massive PE. (7 marks)

Cardiac:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

Lung:

Question 3 (11 marks)

A 45 year old man presents with vague symptoms of central dull chest pain and mild shortness of breath on exertion for the past 3 days.

His observations are:

Temperature	37	°C
BP	95/70	mmHg
RR	24	/min
O ₂ saturations	97%	on room air

a) List three (3) clinical findings you seek for when suspecting tamponade. (3 marks)

1. _____

2. _____

3. _____

b) List four (4) echocardiographic findings to support your diagnosis of tamponade. (4 marks)

1. _____

2. _____

3. _____

4. _____

Question 3 (continued)

c) List four (4) steps that can improve your success rate while draining a pericardial effusion. (4 marks)

1. _____

2. _____

3. _____

4. _____

Question 4 (9 marks)

State 3 component of RUSH protocol and two findings for each component to support hypovolemic shock. (9 marks)

Component	Abnormal finding
a	1
	2
b	1
	2
c	1
	2

Question 5 (13 marks)

A 29 year old presents following a high speed motor bike collision.

a) State five (5) pros for the use of a FAST scan in this patient. (5 marks)

1. _____

2. _____

3. _____

4. _____

5. _____

b) State five (5) cons for the use of a FAST scan in this patient. (5 marks)

1. _____

2. _____

3. _____

4. _____

5. _____

Question 5 (continued)

c) List three sonographic findings to support the diagnosis of pneumothorax (3 marks)

1. _____

2. _____

3. _____

Question 6 (15 marks)

A 25 year old presents 9 weeks pregnant, by dates, with left iliac fossa pain.

a) List five risk factors for the development of ectopic pregnancy. (5 marks)

1. _____

2. _____

3. _____

4. _____

5. _____

b) List five (5) examination findings that would support the diagnosis of ectopic pregnancy. (5 marks)

1. _____

2. _____

3. _____

4. _____

5. _____

Question 6 (continued)

c) List five (5) ultrasound findings that would support the diagnosis of ectopic pregnancy. (5 marks)

1. _____
2. _____
3. _____
4. _____
5. _____