

## Diagnostics

### Urinalysis

Positive – nitrite, leukocytes & blood.

### Arterial blood gases (ABGs)

ABGs	Result	Normal range
pH	7.25	7.35-7.45
PaO <sub>2</sub>	75 mmHg	80-100 mmHg
PaCO <sub>2</sub>	32 mmHg	35-45 mmHg
HCO <sub>3</sub>	15 mmol/L	22-32 mmol/L
BE	-6 mmol/L	-2 - +2mmol/L
Lactate	3.2 mmol/L	0.3-0.8 mmol/L

### Full blood count (FBC)

FBC	Result	Normal range
Haemoglobin (Hb)	140g/L	130-180 g/L
Red cell count (RCC)	5.0 x 10 <sup>12</sup> /L	4.5-6.5 10 <sup>12</sup> /L
Packed cell volume (PCV)	0.42	0.40-0.54
Total white cell count (WCC)	15.2 x 10 <sup>9</sup> /L	4.0-10.0 x 10 <sup>9</sup> /L
Platelets	290 x 10 <sup>9</sup> /L	150-400 x 10 <sup>9</sup> /L

### Coagulation ('Coags')

Coags	Result	Normal range
APTT	30	25-35
PT	15	11-15
INR	2.2	2.0-3.0

### Electrolytes, urea & creatinine (EUC)

EUC	Result	Normal range
Na <sup>+</sup>	148 mmol/L	135-145mmol/L
K <sup>+</sup>	5.2 mmol/L	3.8-4.9 mmol/L
Cl <sup>-</sup>	111 mmol/L	95-110 mmol/L
Mg <sup>2+</sup>	0.82 mmol/L	0.8-1.0 mmol/L
Urea	15 mmol/L	3.0-8.0 mmol/L
Creatinine	130 µmol/L	60-120 µmol/L

## Marking criteria and standards: Assessment 2: Short Answer Questions

Criteria	Mark	High Distinction	Distinction	Credit	Pass	Fail
Criteria 1 – Using the case study analyse the pathogenesis in relation to the clinical manifestations.		Provides an accurate, clear and comprehensive analysis of the pathogenesis in relation to the clinical manifestations.	Provides an accurate analysis of the pathogenesis in relation to the clinical manifestations.	Provides an accurate analysis of the pathogenesis in relation to the clinical manifestations. However, the information may be incomplete or lack clarity.	Provides a basic analysis of the pathogenesis in relation to the clinical manifestations. There may be minor inaccuracies, omissions or repetition of information, lack of clarity or logical flow.	Superficial analysis of the pathogenesis in relation to the clinical manifestations. There are major inaccuracies, omissions or repetition of information, lack of clarity or logical flow.
	/15	13-15	11.5-12.5	10-11	7.5-9.5	≤7.0
Select ONE (1) appropriate nursing strategy, including the rationale.		Provides an appropriate, accurate, clear and comprehensive nursing strategy and rationale.	Provides an appropriate and accurate nursing strategy and rationale.	Provides an appropriate and accurate nursing strategy and rationale. However, the information may be incomplete or lack clarity.	Provides an appropriate but basic nursing strategy and rationale. There may be minor inaccuracies, omissions and lack of clarity.	Incorrect prioritisation. Does not accurately identify the nursing strategy OR identifies the strategy but does not accurately explain the rationale.
	/5	4.5-5	4	3.5	2.5-3	≤2
Criteria 2 – Critically analyse diagnostic result <b>Arterial blood gas</b> , and relate to the underlying pathogenesis		Critically analyses ABG diagnostic result, and comprehensively and accurately relates to the underlying pathogenesis.	Critically analyses ABG diagnostic result, and accurately relates to the underlying pathogenesis.	Analyses ABG diagnostic result, and accurately relate to the underlying pathogenesis. However, response may lack some relevant information or clarity in relating to pathogenesis.	Discusses ABG diagnostic result with little analysis. Some inaccuracies in relating to the underlying pathogenesis.	refers to ABG diagnostic result with inaccuracies in relating to the underlying pathogenesis. Inaccurately discusses ABG diagnostic results with little/no relating to the underlying pathogenesis.
	/10	8.5-10	7.5-8	6.5-7.0	5-6	≤4.5

Academic Writing Style.		<p>Writes in an advanced style exhibiting highly coherent and logical flow of ideas.</p> <p>No errors in referencing, spelling, grammar, punctuation or sentence structure.</p>	<p>Writes clearly and succinctly with a coherent, logical flow of ideas exhibiting advanced clarity.</p> <p>No errors in spelling, referencing grammar, punctuation or sentence structure.</p>	<p>Ideas are clearly documented</p> <p>Use of written word enables effective flow of ideas.</p> <p>Minor errors in spelling, grammar, referencing punctuation or sentence structure that do not impede the logical flow of ideas and meaning.</p>	<p>Writes in a reasonably clear, but limited use of language sometimes hinders the effective flow of ideas and meaning.</p> <p>Minor, frequent errors in spelling, referencing grammar, punctuation or sentence structure sometimes impede meaning and the flow of ideas.</p>	<p>Writes in an elementary style with basic use of language and poor articulation of ideas.</p> <p>Organisation of material and main points are unclear, confused or disorganised</p> <p>Multiple errors in spelling, referencing grammar, punctuation and sentence structure.</p>
	15	4.5-5	4	3.5	2.5-3	≤2