

## EAR LOBE CAPILLARY BLOOD GAS SAMPLING FOR RESPIRATORY PRACTITIONERS

This guidance does not override the individual responsibility of health professionals to make appropriate decision according to the circumstances of the individual patient in consultation with the patient and /or carer. Health care professionals must be prepared to justify any deviation from this guidance.

### THIS GUIDELINE IS FOR USE BY THE FOLLOWING STAFF GROUPS

**Respiratory Nurse Specialists**  
**Registered Nurses working in high care areas**  
**Respiratory wards of Worcestershire Acute Hospitals NHS Trust**  
**Respiratory Physiologists**  
**Respiratory Physiotherapists**

### Lead Clinician(s)

Emma Hurst  
Robert Macdonald

Respiratory Specialist Nurse  
Countywide Lead Respiratory  
Physiologist

Re-Approved by Respiratory Directorate  
Meeting

10<sup>th</sup> June 2025

Review Date:  
This is the most current document and is to  
be used until a revised version is available

10<sup>th</sup> June 2028

### Key amendments to this guideline

| Date                       | Amendment  | Approved by:                 |
|----------------------------|--|------------------------------|
|                            | Guideline approved by Senior Nurses & Midwifery Group  |                              |
| 25.09.07                   | Guideline approved by Medicines Safety Committee   | Alison Smith                 |
| 02.02.16                   | Document extended for 12 months as per TMC paper approved on 22 <sup>nd</sup> July 2015                        | TMC                          |
| Oct 16                     | Further extension as per TMC paper approved on 22 <sup>nd</sup> July 2015                                      | TMC                          |
| November 2017              | Document extended whilst under review  | TLG                          |
| December 2017              | Sentence added in at the request of the Coroner  |                              |
| February 2017              | Change to lead nurse and Matron names  | Dr Hooper                    |
| March 2018                 | Document extended for 3 months as approved by TLG  | TLG                          |
| June 2018                  | Document extended for 3 months as approved by TLG  | TLG                          |
| August 2019                | A vasoactive cream. Safety lancets used in place of a blade for safety and reduce risk of needle stick injury. |                              |
| November 2019              | New circulated list made   |                              |
| October 2020               | Respiratory nurse specialist or respiratory physiologist for final sign off in competency form.                |                              |
| March 2022                 | Appendix added detailing Rubefacients and vasodilator creams.  | Respiratory Directorate/ DMB |
| 10 <sup>th</sup> June 2025 | Removal of appendix as Rubefacients and creams not used.   | Respiratory Directorate      |

## **INTRODUCTION**

Arterial blood gases (ABG's) represent the 'gold standard' method for acquiring patients' acid base status (Honarmand 2006). Arterial blood sampling potentially can cause spasm, intraluminal clotting, bleeding, haematoma formation and transient obstruction of blood flow (Williams 1998). Patients often report this procedure as a painful and unpleasant experience (Crawford 2004).

Earlobe blood gas (EBG) sampling is a useful alternative to ABG's. Properly obtained capillary blood samples accurately reflect arterial blood gas measures of PO<sub>2</sub>, PCO<sub>2</sub> and pH (Wimpress, Vara, Brightling 2005, Zavorsky *et al* 2007)

This Guideline will cover both out-patients and in-patients with respiratory or sleep condition commonly: Chronic obstructive Pulmonary Disease (COPD), Interstitial Lung Disease (ILD), Obstructive Sleep Apnoea (OSA), Obesity Hypoventilation Syndrome (OHS) or any other condition that could affect the oxygenation of the patient.

Capillary blood gases are taken to evaluate the patient's:

- Oxygenation
- Ventilation
- Acid base balance

Capillary blood gas samples are obtained from the earlobe in adults as they are less metabolically active than fingers.

Key measurements in Capillary Blood Gas Analysis:

Measured parameters

- Hydrogen ion concentration – pH
- Oxygen tension- P<sub>a</sub> O<sub>2</sub>
- Carbon dioxide tension -P<sub>a</sub> CO<sub>2</sub>

Calculated parameters

- Bicarbonate concentration (HCO<sub>3</sub><sup>-</sup>)
- Base excess
- Oxygen concentration

| Normal arterial blood gas values |              |
|----------------------------------|--------------|
| P <sub>a</sub> O <sub>2</sub>    | 10 – 14 kPa  |
| P <sub>a</sub> CO <sub>2</sub>   | 4.5-6.0 kPa  |
| pH                               | 7.35-7.45    |
| HCO <sub>3</sub>                 | 22-26 mmol/L |
| Base Excess                      | -2 to +2     |

Oxford Medical Education (2019)

## DETAILS OF GUIDELINE

### Ensuring safe practice

All staff acting under this policy must have attended a course, which includes blood gas sampling and interpretation as part of the formal content. They must have completed a log book of 10 successful supervised attempts, of which the last 5 should be sequential before they can act independently.

All staff acting under this policy must expect to perform at least 5 capillary samples per month in order to maintain their level of competence.

Working under this protocol, all staff are allowed a maximum of two attempts at blood gas sampling – if unsuccessful the patient must be referred to medical staff, nurse practitioners', respiratory specialist nurses or respiratory physiologists.

### Contraindications

Capillary sampling should not be performed where there is:

- Inflamed, swollen or oedematous tissue
- Cyanotic or poorly perfused tissues
- Localised areas of infection
- Patient with shock

### Indications

There are a number of circumstances where a ward- based patient will require capillary blood gas analysis:

- Assessment of supplementary oxygen requirements
- During Non-Invasive Positive Pressure Ventilation
- Diabetic ketoacidosis
- Poisoning

Capillary blood gas sampling should also be considered in the following clinical situations:

- Anyone with an acute exacerbation of a chronic chest condition
- Anyone with impaired respiratory effort

As the person who obtains the sample is also the person who processes the sample, they have immediate access to the results. The staff must be able to act on the information that is obtained from the sample and have an understanding of the interpretation of blood gas results.

The following are circumstances where staff would be able to take a capillary blood sample and be guided by protocol on how to act on the results:

- Monitoring a patient who has commenced NIPPV.
- Assessment for Long Term Oxygen therapy (LTOT)
- Assessment for supplementary oxygen therapy.

| Ear lobe capillary blood gas sampling for respiratory practitioners |              |           |
|---|--------------|-----------|
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## **GUIDELINE**

### **Equipment**

- Heparinised Capillary blood gas tube (150 µL)
- Capillary end caps
- Clot catcher
- Alcohol swab
- Sharps box
- Patient label or pre-printed results page
- Gloves
- Apron
- Absorbent towel
- Appropriate Lancet (safety lancet) as close to 2-3mm in depth and length as possible.
- Clean plastic or disposable pulp tray
- Vasoactive cream , See Appendix 1'
- Sterile gauze
- Waterproof plaster
- Sharps bin

| <b>Action</b>  | <b>Rationale</b>   |
|--|--|
| Explain the test procedure to the patient<br>Obtain verbal consent   | To obtain informed consent and co-operation  |
| Wash hands   | To reduce the risk of nosocomial infection and avoid contamination of the blood sample   |
| Remove any earrings from the ear that is going to be sampled<br>{Pin back hair if necessary  | To reduce the risk of injury to the staff member by practicing good manual handling and practising ergonomics.   |
| Place absorbent towel over the patient's shoulder  | To protect patient's clothing from blood spillage  |
| Fill latex free glove with warm water and tie securely.<br>Check temperature on clinician skin prior to giving to patient.<br>Ask patient to hold glove on earlobe for approximately 5 minutes until earlobe pink. | To increase ear lobe blood flow (arterialized capillary blood sample) thus reducing the arteriovenous oxygen content difference (Hughes 1996)<br><br>N.B. The arterialisation is not to make it easier to collect the sample; the "Arterialisation" is to ensure the accuracy of the sample.<br><br>The sample should be collected quickly ideally < 15s |
| Wash hands with soap and water before putting on PPE; Apron and Gloves.  | To practice good infection prevention and control  |
| Wipe off the cream and rub earlobe vigorously with alcohol swab  | To stimulate circulation and clean the surface of the ear.   |
| Hold earlobe firmly in place and use a safety lancet.  | To obtain the arterialised capillary blood sample<br><br>To avoid needle stick injury<br><br>To avoid piercing the other side  |

|  |  |
|--|--|
| <p>Blood flow from the puncture site should flow freely.</p> <p>Blood flow can be encouraged by stroking the earlobe gently,</p> <p><b><u>Do not squeeze the ear.</u></b></p> <p>If the blood flow is insufficient, repeat the puncture process.</p>   | <p>To avoid haemolysis of the sample, i.e. the rupture of red blood cells, thus releasing their content into the plasma. (Canterbury health laboratories)</p>  |
| <p>Always wipe away the first drop of blood</p>  | <p>To avoid contamination with tissue fluid and remove the mixed venous and arterial blood</p>   |
| <p>Collect blood in a heparinised capillary tube by holding the tube with one end in the well of blood.</p> <p>The tube should be held horizontally or with the end in the well of blood angled slightly upwards.</p> <p>Ensure that there are no bubbles or air gaps.</p> <p>When the tube is full, capillary cap the ends.</p> | <p>To aid capillary tube filling</p> <p>To ensure gas values do not change and sampling errors.</p> <p>Air bubbles result in gas equilibration between the air and the arterial blood leading to a decrease in PaCO<sub>2</sub> and an increase in PaO<sub>2</sub> (Williams 1998)</p> |
| <p>Cover the wound front and back with a piece of gauze and ask the patient to apply pressure until the bleeding stops.</p>  | <p>To decrease the risk of bruising and bleeding</p>   |
| <p>Rotate the tube back and forth between the tips of the fingers</p>  | <p>To prevent clotting</p>   |
| <p>Attach the addressograph label to the tray, Or have a pre-printed mount sheet</p>   | <p>To ensure proper identification of sample</p>   |
| <p>Remove gloves and wash hands</p>  | <p>To reduce the risk of infection</p>   |
| <p>Note the patient's inspired oxygen concentration (FIO<sub>2</sub>) – usually expressed as a percentage (i.e. 24%) and temperature.</p>  | <p>To ensure that results are correct for the patient</p>  |
| <p>The sample should be analysed immediately according to the protocol from the Biochemistry department.</p> <p>Ensure clot catcher attached (Where appropriate) prior to inserting sample in analyser</p>   | <p>The cellular constituents of blood remain metabolically active so arterial gas tensions in the sample will change.</p> <p>To eliminate any clots</p>  |
| <p>Apply waterproof dressing to puncture site If bleeding does not stop</p>  | <p>To avoid risk of infection</p>  |
| <p>Wash hands</p>  | <p>To reduce the risk of nosocomial infection</p>  |

|   |   |
|---|---|
| Details of the procedure including informed consent, site and number of attempts made should be recorded and signed for in the nursing record.<br><br>The main Capillary BG results should be recorded in the patient's notes <ul style="list-style-type: none"><li>• Ph</li><li>• PaCO<sub>2</sub></li><li>• PaO<sub>2</sub></li><li>• HCO<sub>3</sub><sup>-</sup></li><li>• Base Excess</li></ul> | To maintain effective communication   |
| The Staff member must act on the results in accordance with the following protocols <ul style="list-style-type: none"><li>• NIPPV Policy</li><li>• Oxygen Policy</li><li>• Long term Oxygen Therapy (LTOT) BTS Guidelines</li></ul>   |   |
| In any other circumstances a doctor must be contacted as soon as possible to discuss the implications of the results  | To ensure that the results are interpreted correctly and the patient receives the appropriate treatment |

MONITORING TOOL

Annual random audit of medical notes by Respiratory Specialist nurses

| STANDARDS                                     | %   | CLINICAL EXCEPTIONS |
|---|-----|---------------------|
| All patients have informed consent            | 100 |                     |
| Capillary blood gas to be documented in notes | 100 |                     |
| Oxygen % documented in notes                  | 100 |                     |

References

Coombs M (1997) Making sense of arterial blood gases *Nursing Times* Vol 97, No 27 p36-38.

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Honarmand A (2006) *Prediction of arterial blood gas values from earlobe blood gas values in patients receiving mechanical ventilation*. Critical Care 10(suppl 1)P201

Hughes JMB (1996) Blood gas estimation for arterialised capillary blood gases versus arterial puncture, are they different?. *European Respiratory Journal*. 9, 184-185

Longmore, M, et al (2004). *Oxford Handbook of Clinical Medicine*. Oxford University Press.

Oxford Medical Education (2019) Arterial Blood Gas (ABG) interpretation for medical students, OSCEs and MRCP PACES [online]. *Oxford Medical Education* [Viewed 30/10/2020]. Available from: <http://www.oxfordmedicaleducation.com/arterial-blood-gas/>.

Williams A J (1998) Assessing and interpreting arterial blood gases and acid-base balance *British Medical Journal* .317,1213-1216.

Wimpress, S, Vara, DD, Brightling, CE (2005) Improving the sampling technique of arterialised capillary samples to obtain more accurate PaO<sub>2</sub> measurements. *Chronic Respiratory Disease* [online] .2(1):47-50.[viewed 30/10/2020]. Available from: doi: 10.1191/1479972305cd052oa.

Zavorsky, GS Cao, JMayo, NE Gabbay, R Murias, JM (2007) Arterial versus capillary blood gases:a meta-analysis *Respiratory Physiology Neurobiology* . Mar15,155 (3)p268-279



## CONTRIBUTION LIST

### Key individuals involved in developing the document

| Name             | Designation                       |
|------------------|-----------------------------------|
| Robert Macdonald | Lead Respiratory Physiologist WRH |
| Emma Hurst       | Respiratory Specialist Nurse      |
| Jane Newport     | Lead Practitioner Respiratory     |

### Circulated to the following individuals for comments

| Name                | Designation                    |
|---------------------|--------------------------------|
| Dr C Hooper         | Consultant Physician, WRH      |
| Dr See Ling Tan     | Consultant Physician, ALEX     |
| Nancy Howard        | Respiratory nurse, WRH         |
| Christopher Ray     | Cardiopulmonary, WRH           |
| Donna Hurbutt       | Senior Respiratory Nurse, ALEX |
| Prof Steve O'Hickey | Consultant Physician WRH       |
| Jo Smedley          | Senior Physio, WRH             |
| Lewis Gidden        | Cardiopulmonary, WRH           |
| Dr Bethan Barker    | Consultant Physician, WRH      |
| Dr Kate Cusworth    | Consultant Physician, WRH      |
| Dr Jamie Johnstone  | Consultant Physician, WRH      |
| Dr Abhi Lal         | Consultant Physician, ALEX     |
| Lynsey Gullefer     | Home Oxygen team               |
| Lesley Jordan       | Home Oxygen Team               |
|                     |                                |

## Supporting Document 1 - Equality Impact Assessment Tool

To be completed by the key document author and included as an appendix to key document when submitted to the appropriate committee for consideration and approval.



## Herefordshire & Worcestershire STP - Equality Impact Assessment (EIA) Form

Please read EIA guidelines when completing this form

### Section 1 - Name of Organisation (please tick)

|  |   |                               |  |                      |  |
|--|---|-------------------------------|--|----------------------|--|
| Herefordshire & Worcestershire STP       |   | Herefordshire Council         |  | Herefordshire CCG    |  |
| Worcestershire Acute Hospitals NHS Trust | ✓ | Worcestershire County Council |  | Worcestershire CCGs  |  |
| Worcestershire Health and Care NHS Trust |   | Wye Valley NHS Trust          |  | Other (please state) |  |

|                           |              |
|---------------------------|--------------|
| Name of Lead for Activity | Jane Newport |
|---------------------------|--------------|

|   |              |                               |  |
|---|--------------|-------------------------------|--|
| Details of individuals completing this assessment | Name         | Job title                     | e-mail contact   |
|   | Jane Newport | Lead Practitioner Respiratory | <a href="mailto:j.newport@nhs.net">j.newport@nhs.net</a> |
|   |              |                               |  |
|   |              |                               |  |
| Date assessment completed                         | 3/9/2025     |                               |  |

### Section 2

|  |  |   |  |
|--|--|---|--|
| Activity being assessed (e.g. policy/procedure, document, service redesign, policy, strategy etc.) | Title: Ear Lobe Capillary blood gas sampling for respiratory practitioners SOP   |   |  |
| What is the aim, purpose and/or intended outcomes of this Activity?                                | Provide SOP for how to perform ear lobe capillary gas sampling   |   |  |
| Who will be affected by the development & implementation of this activity?                         | <input type="checkbox"/> Service User<br><input checked="" type="checkbox"/> Patient<br><input type="checkbox"/> Carers<br><input type="checkbox"/> Visitors | <input checked="" type="checkbox"/> Staff<br><input type="checkbox"/> Communities<br><input type="checkbox"/> Other _____ |  |

### Ear lobe capillary blood gas sampling for respiratory practitioners

|  |   |
|--|---|
| Is this:   | <input checked="" type="checkbox"/> Review of an existing activity<br><input type="checkbox"/> New activity<br><input type="checkbox"/> Planning to withdraw or reduce a service, activity or presence? |
| What information and evidence have you reviewed to help inform this assessment? (Please name sources, eg demographic information for patients / services / staff groups affected, complaints etc.) | Reviewed BTS guidelines. No updates   |
| Summary of engagement or consultation undertaken (e.g. who and how have you engaged with, or why do you believe this is not required)  | Reviewed with clinicians who perform tests within trust.  |
| Summary of relevant findings   | Removal of vasodilator creams   |

### Section 3

Please consider the potential impact of this activity (during development & implementation) on each of the equality groups outlined below. **Please tick one or more impact box below for each Equality Group and explain your rationale.** Please note it is possible for the potential impact to be both positive and negative within the same equality group and this should be recorded. Remember to consider the impact on e.g. staff, public, patients, carers etc. in these equality groups.

| Equality Group                       | Potential positive impact | Potential neutral impact | Potential negative impact | Please explain your reasons for any potential positive, neutral or negative impact identified |
|--------------------------------------|---------------------------|--------------------------|---------------------------|---|
| Age                                  |                           | x                        |                           |   |
| Disability                           |                           | x                        |                           |   |
| Gender Reassignment                  |                           | x                        |                           |   |
| Marriage & Civil Partnerships        |                           | x                        |                           |   |
| Pregnancy & Maternity                |                           | x                        |                           |   |
| Race including Traveling Communities |                           | x                        |                           |   |
| Religion & Belief                    |                           | x                        |                           |   |

|  |  |   |  |  |
|--|--|---|--|--|
| Sex  |  | X |  |  |
| Sexual Orientation   |  | X |  |  |
| <b>Other Vulnerable and Disadvantaged Groups</b> (e.g. carers; care leavers; homeless; Social/Economic deprivation, travelling communities etc.)   |  | X |  |  |
| <b>Health Inequalities</b> (any preventable, unfair & unjust differences in health status between groups, populations or individuals that arise from the unequal distribution of social, environmental & economic conditions within societies) |  | X |  |  |

## Section 4

|  |                      |  |                              |           |
|--|----------------------|--|------------------------------|-----------|
| What actions will you take to mitigate any potential negative impacts?   | Risk identified      | Actions required to reduce / eliminate negative impact | Who will lead on the action? | Timeframe |
|  |                      |  |                              |           |
|  |                      |  |                              |           |
|  |                      |  |                              |           |
| How will you monitor these actions?  |                      |  |                              |           |
| <b>When will you review this EIA?</b> (e.g in a service redesign, this EIA should be revisited regularly throughout the design & implementation) | At next review point |  |                              |           |

**Section 5** - Please read and agree to the following Equality Statement

## 1. Equality Statement

1.1. All public bodies have a statutory duty under the Equality Act 2010 to set out arrangements to assess and consult on how their policies and functions impact on the 9

protected characteristics: Age; Disability; Gender Reassignment; Marriage & Civil Partnership; Pregnancy & Maternity; Race; Religion & Belief; Sex; Sexual Orientation

1.2. Our Organisations will challenge discrimination, promote equality, respect human rights, and aims to design and implement services, policies and measures that meet the diverse needs of our service, and population, ensuring that none are placed at a disadvantage over others.

1.3. All staff are expected to deliver services and provide services and care in a manner which respects the individuality of service users, patients, carer's etc, and as such treat them and members of the workforce respectfully, paying due regard to the 9 protected characteristics.

|   |              |
|---|--------------|
| Signature of person completing EIA                      | Jane Newport |
| Date signed   | 3/9/25       |
| Comments:   |              |
| Signature of person the Leader Person for this activity | Jane Newport |
| Date signed   | 3/9/25       |
| Comments:   |              |



## Supporting Document 2 – Financial Impact Assessment

To be completed by the key document author and attached to key document when submitted to the appropriate committee for consideration and approval.

|    | Title of document:   | Yes/No |
|----|--|--------|
| 1. | Does the implementation of this document require any additional Capital resources  | No     |
| 2. | Does the implementation of this document require additional revenue  | No     |
| 3. | Does the implementation of this document require additional manpower   | No     |
| 4. | Does the implementation of this document release any manpower costs through a change in practice   | No     |
| 5. | Are there additional staff training costs associated with implementing this document which cannot be delivered through current training programmes or allocated training times for staff | No     |
|    | Other comments:  |        |

If the response to any of the above is yes, please complete a business case and which is signed by your Finance Manager and Directorate Manager for consideration by the Accountable Director before progressing to the relevant committee for approval

# ASSESSMENT OF COMPETENCY FOR EAR LOBE CAPILLARY BLOOD GAS SAMPLING

**ASSESSMENT SPECIFICATION:** The candidate should be able to demonstrate competence in ear lobe capillary blood gas sampling using the following knowledge evidence and performance criteria

**KNOWLEDGE EVIDENCE:** The candidate should be able to:

- Demonstrate skill in the technique of ear lobe capillary blood gas sampling
- Discuss the principles of safe practice with regards to ear lobe capillary blood gas sampling
- Discuss the role, responsibility and accountability with reference to the Code of Professional Conduct.
- Know the normal ranges for blood gas values
- Demonstrate a systematic approach to blood gas interpretation
- Know some of the common causes of blood gas abnormalities and what to do about them.

You need a mentor who is competent in ear lobe blood gas sampling, please arrange your supervised practice sign Off with a **respiratory nurse specialist or respiratory physiologist**.

If the candidate still feels they lack competence after supervised practice of at least 10 capillary blood gas samplings, they should seek further training or supervised practice.

- Any problems, please contact Professional Development department.

Clinical Supervisor (*please print*): ..... Signature: ..... Date: .....

Candidate (*please print*): ..... Signature: ..... Date: .....

Ward/Department: ..... Directorate/ PCT: ..... Location: .....

Comments by Supervisor

Comments by Candidate:

## Worcestershire Acute Hospitals NHS Trust

### PERFORMANCE CRITERIA FOR ASSESSMENT OF COMPETENCY FOR EAR LOBE CAPILLARY BLOOD GAS SAMPLING

| PERFORMANCE CRITERIA  | COMPETENT- Mentor Initial & Date           |   |   |   |   |   |   |   |   |    |
|---|--|---|---|---|---|---|---|---|---|----|
|   | 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Identifies need for capillary blood gas sampling according to Trust Policy.   |  |   |   |   |   |   |   |   |   |    |
| Explains procedure to patient and obtains consent.  |  |   |   |   |   |   |   |   |   |    |
| Prepares necessary equipment.   |  |   |   |   |   |   |   |   |   |    |
| Identifies and prepares appropriate site  |  |   |   |   |   |   |   |   |   |    |
| Applies vasodilator cream to ear lobe   |  |   |   |   |   |   |   |   |   |    |
| Stabilises ear lobe and stabs fleshy part of lobe to a depth of 3 mm  |  |   |   |   |   |   |   |   |   |    |
| Collects blood sample in a heparinised capillary tube   |  |   |   |   |   |   |   |   |   |    |
| Prepares sample for analysis.   |  |   |   |   |   |   |   |   |   |    |
| Notes patients inspired O <sub>2</sub> concentration (FI <sub>O2</sub> ) and temperature.   |  |   |   |   |   |   |   |   |   |    |
| Analyses sample according to biochemistry protocol.   |  |   |   |   |   |   |   |   |   |    |
| Records the procedure in patients notes<br>Procedure and site<br>No of attempts<br>Main CBG results ph, PaCO <sub>2</sub> , PaO <sub>2</sub> , HCO <sub>3</sub> , Base Excess |  |   |   |   |   |   |   |   |   |    |
| Acts on results according to NIPPV, Oxygen or Long Term Oxygen Therapy policies.  |  |   |   |   |   |   |   |   |   |    |
| In any other circumstance informs medical staff of results.   |  |   |   |   |   |   |   |   |   |    |
| <b>Clinical Supervisor</b> (please print): .....  | <b>Candidate</b> (please print): .....     |   |   |   |   |   |   |   |   |    |
| <b>Signature:</b> ..... <b>Date:</b> .....  | <b>Signature:</b> ..... <b>Date:</b> ..... |   |   |   |   |   |   |   |   |    |