



T Level Technical Qualification in Healthcare Science

Occupational specialism assessment (OSA)

Assisting with Healthcare Science

Assignment 2

Assignment brief

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Task 1: assist with specimen collection and point of care test (POCT)

Brief

You are based within an out of hours clinic working as a healthcare science assistant as part of the multi-disciplinary team. A patient has been referred to you who has been requested by the clinician to submit a mid-stream urine sample for investigation of infection.

Task

You must assist by carrying out the following stages:

1(a) Preparing for urine mid-stream specimen collection from the patient by:

- ensuring effective infection control
- setting up a suitable workstation
- communicating effectively with the patient especially with regards to correct urine sample collection

1(b)(i) Completing urine mid-stream specimen collection to include:

- labelling and registering patient samples
- ensuring that the workplace is cleaned suitably after the examination has been completed and equipment is stored in the appropriate place

1(b)(ii) Completing a urine dipstick test on the collected sample and sending another sample for microbiology testing, to include:

- ensuring correct equipment selection
- using the sample in the plain (white topped) sterile container, carrying out a POCT and checking the sample for protein, haematuria, glucose, ketones and pH
- discussing findings with a senior colleague and recording findings in patient details form
- preparing the second collected sample (red topped boric acid container) for transportation to the microbiology department requesting culture and sensitivity testing on the patient's mid-stream urine sample
- carrying out a request to the microbiology department for the patient's mid-stream culture and sensitivity before the sample is dispatched

1(c) Recording and reporting the results and carrying out post-examination cleaning and storage of equipment

(58 marks)

Conditions of the assessment

- task 1 must be completed in supervised conditions
- you will only have access to materials permitted by your tutor and available in the designated assessment area
- you will have a maximum of 30 minutes to complete this task

Task 2: carry out point of care test (POCT)

Brief

You are working as a healthcare science assistant in a busy multidisciplinary general outpatient department and you need to check the blood sugar of a patient with type 1 diabetes before further tests and examinations can be carried out.

Task

You must carry out the following stages:

Use a blood glucose meter to perform a blood glucose measurement on the patient.

2(a) Prepare for blood glucose test including explaining the procedure to the patient.

2(b) Carry out the blood glucose test.

2(c) Record and report the results and carry out post-examination cleaning and storage of equipment.

(42 marks)

Conditions of the assessment

- task 2 must be completed in supervised conditions
- you will only have access to materials permitted by your tutor and available in the designated assessment area
- you will have a maximum of 25 minutes to complete this task

This is the end of the practical skills assessment.

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