

Summative Open Book Theory Research

Time allocation:	1½ Hours
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ECOTRAINING NATURE SITE GUIDE CERTIFICATE

8440 – CONDUCT A GUIDED NATURE EXPERIENCE IN A LIMITED GEOGRAPHICAL AREA

8478 – CREATE A GUIDED EXPERIENCE FOR CUSTOMERS TGD/NATSITEGD/2/0029

Learner Name and Surname:		Date:	
Head Facilitator Name		Venue:	

Guidelines to the Learner	This is an Open Book Theory Research Assignment based on general knowledge modules Training Manuals (<u>as advised by the Facilitator/Invigilator</u>) can be taken to the venue and referred to during completion of this theory assessment. There is to be <u>no verbal discussion</u> between participants during this period. You will have <u>1.5 hours</u> to complete the questionnaire, unless you have pre-discussed any special needs that may require you to be given additional time. This should have been discussed between you and your Facilitator at the Pre-Assessment Meeting, where plans will have been put in place to accommodate your special needs. <u>No break</u> is allowed from the commencement of the questionnaire to it being handed in to your Facilitator. Should you not understand any question, you may ask the Facilitator/Invigilator for clarity. Please ensure that all questions are read carefully, take time to consider the answer and review all answers before handing it in as completed. You must answer each question correctly, with full completion of document, to be found competent You will be given limited opportunities to further clarify or prove your knowledge, should you not meet requirements for the relevant question. Should you not be able to achieve this, you will have 'Not Met Requirements' for the particular Specific Outcome/Task and therefore will be found NYC for the overall Unit Standard.
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Instruction to the Facilitator	Questionnaire is to be marked upon completion and if it is felt that a learner did not understand the question fully, an oral interview can take place to gain further clarity & explanation from the learner. For the evidence to be proven, each learner must show his/her understanding and knowledge pertaining to each question. This subsequent evidence must be noted against the relevant question. Learners can be given tasks to study and return to with additional evidence Should questions still not be answered correctly, the learner can further clarify and meet requirements on the final summation practical assessment, else they will not have 'Met Requirements' for the relevant Specific Outcome/Task.
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Declaration by Learner

I,declare that I have read the guidelines above and understand the implications of not completing this questionnaire fully and accurately.

WRITTEN SUMMATIVE THEORY KNOWLEDGE QUESTIONNAIRE	
US 8440 SO1/AC4	
AC 4 <i>Can the learner provide interesting information on behaviours of common reptiles in the area of guiding</i>	
Question 1: Choose a reptile from your area of operation and provide a short narration on interesting behaviours, that you would convey to a client during a guided nature experience.	
Meets Requirements Yes/No	
US 8440 SO1/AC6	
AC 6 <i>Can the learner identify the common fish species in the area of guiding operation?</i>	
Question 2: Choose three fish species that occurs in your area of guiding and explain how you would be able to correctly identify one of those species. You can use a drawing diagram to explain your chosen fish.	
Meets Requirements Yes/No	
US 8440 SO2/AC6	
AC 6 <i>Can the learner interpret the nutrient cycle using examples from the guiding operation</i>	
Question 3: Using examples from your area of operation, briefly explain the nutrient cycle	
Meets Requirements Yes/No	

US 8440 SO2/AC7				
AC 7 Does the learner have knowledge of the breeding habits of common mammals?				
Question 4: Detail in table format the breeding habits of THREE (3) common mammals found in your area of guiding				
<u>Common Name</u>	<u>Gestation Period</u>	<u>Number of Young</u>	<u>Body Weight</u>	<u>Lifespan</u>
1/				
2/				
3/				
			Meets Requirements Yes/No	
US 8440 SO2/AC8				
AC 8 Grass Succession can be explained?				
Question 5: Briefly Explain Grass Succession				
			Meets Requirements Yes/No	
US 8440 SO2/AC9				
AC 9 Basic components of an ecosystem (food chains and webs, trophic pyramid) are understood and can be explained?				
Question 6: Briefly explain the basic components of an ecosystem and the levels of organization in ecology in relation to:				
a) food chains, b) trophic pyramids c) food webs				
a) Food chain				
b) Trophic Pyramid				
c) Food Webs				
			Meets Requirements Yes/No	

US 8440 SO5/AC5	
AC 5 <i>Can the learner list the phases of the moon</i>	
Question 7: List the phases of the moon	
Meets Requirements Yes/No	
US 8440 SO6/AC2	
AC 2 <i>An understanding of how to determine direction is proven in terms of making use of various man made devices and construction methods</i>	
Question 8: Explain how to determine direction using <u>ONE (1)</u> of the following constructive methods: Watch method, stick and shadow method, positioning of roads, telephone lines, radio masts, use of a compass	
Meets Requirements Yes/No	
US 8440 SO6/AC3	
AC 3 <i>An explanation is given as to how to determine direction making use of a natural phenomenon</i>	
Question 9: Explain how to determine direction making use of <u>ONE (1)</u> of the following natural phenomena: Weavers nest, termite mounds, vegetated north slopes, moss and lichen growth, prominent topographical landmarks, sun position	
Meets Requirements Yes/No	

US 8440 SO7/AC2	
AC 2 <i>A basic explanation is given for the structure of the earth and the formation of common rock type</i>	
Question 10: Explain, by use of a diagram how the earth is structured in relation to Core, Mantle and Crust	
Meets Requirements Yes/No	
US 8440 SO7/AC2a	
AC 2a <i>A basic explanation is given for the structure of the earth and the formation of common rock types</i>	
Question 11: Briefly explain the formation of common rock types: Igneous, Sedimentary, Metamorphic?	
Meets Requirements Yes/No	
US 8440 SO7/AC3	
AC 3 <i>An explanation of the makeup of common rock types and their characteristics are given</i>	
Question 12: Briefly explain the makeup of common rock types, including their characteristics: The common minerals, grain size, soil type and weathering properties of common rock types.	
Meets Requirements Yes/No	

US 8440 SO8/AC1	
AC1 <i>Can the learner explain the main causes of the local weather conditions in the area of guiding operation?</i>	
Question 13: Briefly explain the main causes of the local weather patterns in your guiding area in winter and summer. (as a guide use climatic conditions to explain weather conditions, eg: altitude, latitude, longitude and oceans)	
Meets Requirements Yes/No	
US 8440 SO8/AC2	
AC2 <i>Can the learner explain the local wind conditions that may affect the guiding area of operation?</i>	
Question 14: Briefly explain the local wind conditions that may affect the guiding area of operation	
Meets Requirements Yes/No	
US 8440 SO4/AC2	
AC 2 <i>Point out and explain evidence of human habitation and briefly relate cultural history</i>	
Question 15: Briefly explain a use for two trees, two flowers and two grasses from either cultural, medicinal or practical application.	

Meets Requirements Yes/No	
US 8440 SO5/AC1	
AC 1 Point out the most prominent stars, planets and constellations in the night sky at all times of the year	
Question 16: Briefly explain, the mythology behind two constellations in the southern hemisphere.	
Meets Requirements Yes/No	
US 8440 SO8/AC5	
AC 5 An understanding of clouds is shown in terms of formation, types and associated weather conditions	
Question 17: Illustrate An understanding of clouds in terms of formation, types and associated weather conditions by completing this table.	
Evidence Required: CLOUD TYPE	EXPLANATION & ASSOCIATED WEATHER CONDITIONS
	<i>Delicate wispy cloud streaks across the sky. Appear to be moving very slowly. Often indicates a warm front</i>
<i>Cirrostratus</i>	
<i>Nimbostratus</i>	
	<i>The thunderstorm cloud mass. Heavy rainfall, thunder, lightning and strong winds. Moist and unstable air.</i>
Meets Requirements Yes/No	

THIS IS THE END OF THE ECOTRAINING SUMMATIVE OPEN WRITTEN THEORY ASSESSMENT

Please ensure that you have answered all the questions
and
Return this form immediately to your facilitator

Re-Write Questions

Note To Learner: Please record the Question Number, that you are re-writing the answer to

[illegible]

FEEDBACK - Comments/Questions from Learner

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JUDGEMENT

Meets the Requirements ☐	Do not meet the requirements ☐
Requires Additional Information ☐	Requires another assessment by another Facilitator ☐

Action Required:

By When:

Facilitator Feedback Remarks:**Declaration by Learner**

I,declare that I am satisfied that the feedback given to me by the facilitator was relevant, sufficient and done in a constructive manner. I accept the assessment judgment and have no further questions relating to this particular assessment instrument.

Signatures

Learner	Facilitator	Assessor
Date:	Date:	Date:

Assessor Name and Number**Assessor Feedback Review:**