

Worksheet

Module	Landscape Construction
Topic	The Object of a Drainage System
Lesson	No.1
Worksheet	No.1
Directions	The answers to these questions are contained in your notes on the Object of a Drainage System. I recommend that you read the question, find the answer and then write the answer out for each of the following. This will facilitate you to achieve the learning outcomes for the lesson.

1. State the object of a drainage system.

2. List the four water types encountered in a drainage system and give an example of each one.

3. State the function of a water trap and use a sketch to illustrate your answer.

4. Describe what the difference is between a combined system and separate system.

5. State which system is the preferred one and why.

Module	Landscape Construction
--------	------------------------

Worksheet

Topic	Ventilation of Drainage Systems
Lesson	No.2
Worksheet	No.2
Directions	The answers to these questions are contained in your notes on the Object of a Drainage System. I recommend that you read the question, find the answer and then write the answer out for each of the following. This will facilitate you to achieve the learning outcomes for the lesson.

1. List 2 reasons for ventilating a drainage system.

2. State the distance a vent stack should be above an opening if it is less than 3 metres away from the opening.

3. Describe two ways of treating soil and waste water.

Worksheet

Module	Landscape Construction
Topic	Calculating the size of a Soakaway
Lesson	No.3
Worksheet	No.3
Directions	The answers to these questions are contained in your notes on the Object of a Drainage System. I recommend that you read the question, find the answer and then write the answer out for each of the following. This will facilitate you to achieve the learning outcomes for the lesson.

1. State two ways of disposing of surface water.

2. State what size soakaway would be required for a shed roof 7m X 3m, if the average rainfall is 0.012m.

Worksheet

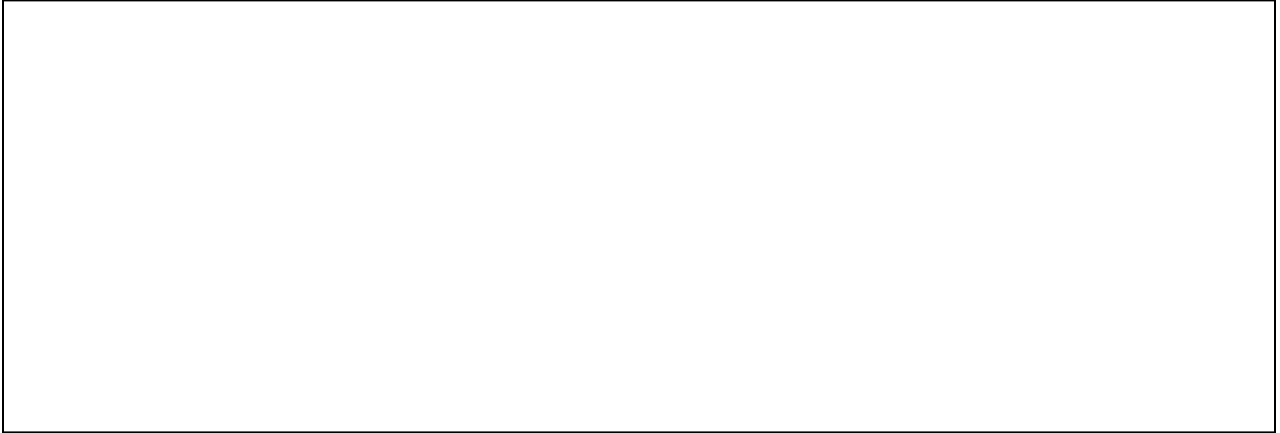
Module	Landscape Construction
Topic	Building Regulations in relation to Drainage
Lesson	No.4
Worksheet	No.4
Directions	The answers to these questions are contained in your notes on the Object of a Drainage System. I recommend that you read the question, find the answer and then write the answer out for each of the following. This will facilitate you to achieve the learning outcomes for the lesson.

1. List six principles/building regulations in relation to drainage.

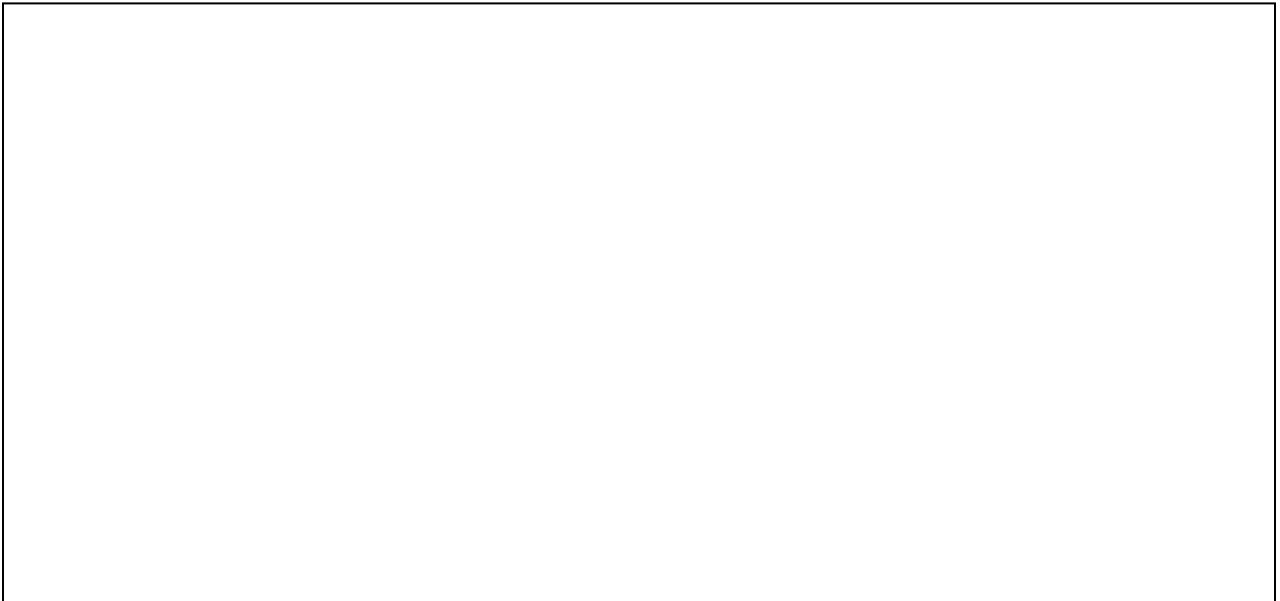
2. List the two main types of access points and state where they would be used.

3. Use a sketch to show where benching would be used.

Worksheet



4. Draw a plan of a manhole with two branch pipes entering it.



5. State where a tumbling bay would be used.

Worksheet

Module	Landscape Construction
Topic	Laying a length of drain and testing it
Lesson	No.5
Worksheet	No.5
Directions	The answers to these questions are contained in your notes on the Object of a Drainage System. I recommend that you read the question, find the answer and then write the answer out for each of the following. This will facilitate you to achieve the learning outcomes for the lesson.

1. Describe the procedure for laying a length of drain.

2. State what an invert level is?

3. Describe one method that could be used for setting out and laying a length of drain at a gradient of 1:60. Use a sketch to illustrate your answer.

4. List three tests used to check drainage systems.

Module	Landscape Construction
Topic	Two classes of Pipes
Lesson	No.6
Worksheet	No.6
Directions	The answers to these questions are contained in your notes on the Object of a Drainage System. I recommend that you read the question, find the answer and then write the answer out for each of the following. This will facilitate you to achieve the learning outcomes for the lesson.

1. List two reasons for draining subsoil water.

2. State two types of pipes used in drainage systems.

3. State the most common pipe used these days in drainage systems.

4. List three advantages of using flexible pipes when laying a drain.

5. List the steps to be taken when repairing a length of drain.

Module	Landscape Construction
Topic	Connecting a New Drain to an Existing One
Lesson	No.7
Worksheet	No.7
Directions	The answers to these questions are contained in your notes on the Object of a Drainage System. I recommend that you read the question, find the answer and then write the answer out for each of the following. This will facilitate you to achieve the learning outcomes for the lesson.

1. State the steps to be taken when connecting a new drain to an existing one.

2. List what falls the following pipes should be laid at.

100mm Diameter = 1:

150mm Diameter = 1:

225mm Diameter = 1:

3. State what precautions should be taken when is it necessary for pipes to pass through a wall.

4. Use a sketch to show where haunching is used.