

*Module III: Energy & Environmental Services*

**Lesson 8: Survey Techniques**

*Question bank:* ***Survey Techniques***

*Q1 : .........are lines that are drawn onto a map and they join up places that are the same height (Fill in the lines )*

*Answer :* ***Contours***

*Q2. Symbols are used to ... (select multiple)*

1. ***We have to use a key of different symbols, abbreviations and letters to represent the main items on the map***
2. ***It helps to identify different entities***
3. ***Symbols are easy to understand***

***Answer : ABC***

***Q3. The ..............is India’s central engineering agency who are in charge of mapping and surveying (Fill in the blank)***

*Answer :* ***Survey of India***

*Q3 which of the following are surveying tools?*

1. ***Measuring tape***
2. ***Compass***
3. ***GPS***
4. ***Tripod***
5. ***Leveling staff***
6. ***Plane table***
7. ***alidade***
8. ***Theodelite***

***Answer : ABCDEFGH (all)***

*Q4. Which surveying tool is used to sight objects of interest?*

*Answer :* ***alidade***

*Q5. Which surveying tool you will need to get horizontal surface level?*

*Answer : Spirit/bubble levels*

*Q5. Ssurveying tool named as* ***………….******is needed so that an even surface can be achieved on uneven ground.*** *(fill in the blanks)*

*Answer :* ***tripod***

*Q6. You want to find the elevation of a point with respect to a known level so which surveying tool you will use?*

*Answer : Dumpy Level*

*Q7.* *Which of the following tool works on the “water level “principle?*

1. *Leveling tube*
2. *Sprit tube*
3. *Dumpy level*
4. *Tripod*
5. *Answer : A (Leveling tube)*

*Q8. Maps are used for .. (Select all that apply )*

1. *Finding your location*
2. *Getting information about the land of an area*
3. *Measuring distance between two locations*
4. *Finding height difference of the land*

*Answer : ABCD*

*Q9. Maps are drawn to a scale. (True or false)*

*Answer : True*

1. *Q10. Select the correct answer. The scale drawing of the tree is 1:500

If the height of the tree on paper is 20 inches, what is the height of the tree in real life?*
2. *1000 inches*
3. *10000 inches*
4. *100 cm*
5. *1000 cm*

*Answer : B- 10000 inches*