

12.07.2019

SOCIAL TT

STD: X (DAZ, CUTE, BLIS)

MARKS:25

I. Answer the following:

10x½=5

1. Why do people look at a mix of goals for development?
2. Different persons could have different as well as conflicting notions of a country's development. A fair path for all should be achieved. Interpret the concept being discussed here.
3. Which neighbouring country has better performance in terms of human development index than India?
4. Abbreviate PDS, GER.
5. What do people usually desire? Mention any 2 things.
6. Why does kera have a low Infant Mortality rate?
7. Sustainable development concentrates on \_\_\_\_.
8. Which area of the world has the largest crude oil reserve?
9. Which is defined as the number of females per thousand male?
10. Write any one limitation of Average income?

II. Answer the short:

3x5=15

1. How do the women engage in paid jobs to fulfil mix of goals? Explain?
2. Explain common, different and conflicting goals by giving suitable examples?
3. Why are countries of the Middle East not called 'developed' in spite of high per capita income?
4. Mention any three characteristics of development?
5. What is HDI? What are the components of HDI?

III. Answer in detail:

1x5=5

1. Describe any five conditions or aspects that you would consider before accepting a job?

12.07.2019

MATHS TT

STD: X (MAJ, AWE, EXC, CAP)

MARKS:25

I. Answer the following:

1. The angle of elevation of the top of a tower from a point on the ground, which is 30m away the foot of a tower of height  $10\sqrt{3}$  is \_\_\_\_
2. The ratio of the length of a rod to its shadow is  $1:\sqrt{3}$ . Find the angle of elevation of the sun.
3. A ladder makes an angle of  $60^\circ$  with the ground, when placed along a wall. If the foot of the ladder is 8m away from the wall, find the length of ladder.
4. The height of a tower is 200m. When the altitude of the sun is  $30^\circ$ , find the length of its shadow.

II. Answer the following:

2x2=4

5. Find the angle of elevation of the top of a tree of height  $200\sqrt{3}$  m at a point at a distance of 200m from the base of the tree.
6. A lamp post  $5\sqrt{3}$  m high casts a shadow 5m long on the ground. Find the sun's elevation at this moment?

III. Answer the following:

3x3=9

7. A tower stands vertically on the ground. From a point on the ground, which is 15m away from the foot of the tower, the angle elevation of the top of the tower is found to be  $60^\circ$ . Find the height of the tower.
8. The angles of elevation of the top of a tower from two points at a distance of 4m and 9m from the base of the tower and in the same straight line with it are complementary. Prove that the height of the tower is 6m.
9. From the top of a 7m high building, the angle of elevation of the top of a cable tower is  $60^\circ$  and the angle of depression of its foot is  $45^\circ$ . Determine the height of the tower.

IV. Solve:

4x2=8

10. From a point on a bridge across a river, the angles of depression of the banks on opposite sides the river are  $30^\circ$  and  $45^\circ$ , respectively. if the bridge is at a height of

3m from the banks, find the width of the river.

11. A statue 1.6m tall, stands on the top of a pedestal.  
From a point on the ground, the angle of elevation of the top of the statue is  $60^\circ$  and from the same point the angle of elevation of the top of the pedestal is  $45^\circ$ . Find the height of the pedestal.