

11.01.2020

EVERWIN VIDHYASHRAM

STD: X

English Portfolio For Internal Assessment

Topics:

Self Assessment - Story Writing

Write a short story of 200-250 words on any of the following themes:

1) Environment

2) Education

3) Politics

4) Technology

5) Humanity

Peer Assessment - Debate

Put forward your arguments in favor of/ against one of the following topics:

1) Artificial Intelligence - A Dream or Reality

2) What's the answer to any crisis? Violence or Non Violence?

SELF ASSESSMENT / REFLECTION

Class & Section:

Subject: English

Activity topic:

Student's name:

1. What was the activity about?

2. What did you want to learn?

3. What did you do well in this activity?

4. What is the one thing that you want to change?

13.01.2020

STD: X

All projects should be submitted on 20-01-2020

Note : Do not deviate from Guidelines

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INTERNAL ASSESSMENT

MATHEMATICS

SELF ASSESSMENT

SOME APPLICATIONS OF TRIGONOMETRY:

1. A ladder leaning against a vertical wall makes an angle of 30° with the ground. The foot of the ladder is 3m from the wall. What is the length of ladder?
2. A pole casts a shadow of length $2\sqrt{3}$ m on the ground, when the Sun's elevation is 60° . Find the height of the pole.
3. The angle of elevation of the top of a tower from a point on the ground, which is 30 m away from the foot of the tower is 30° . Find the height of the tower.
4. The string of kite is 100m long and it makes an angle of 60° with the horizontal. Find the height of the kite, assuming that there is no slack in the string. ($\sqrt{3} = 1.732$)
5. An electrician has to repair an electric fault on a pole of height 5m. He needs to reach a point 1.3m below the top of the pole to undertake the repair work. What should be the length of the ladder that he should use which, when inclined at an angle of 60° to the horizontal, would enable him to reach the required position? Also, how far from the foot of the pole should he place the foot of the ladder?

PEER ASSESSMENT

POLYNOMIALS:

1. Find a quadratic polynomial whose sum and product of zeroes are $2\sqrt{3}$, $-5\sqrt{3}$.
2. Without actually finding the zeroes of polynomial $f(x) = 3(x^2-1) + 2x-5$ find sum and product of zeroes.
3. From a quadratic polynomial whose zeroes are 5 and -5.
4. Find the zeroes of $p(x) = 4x^2 - 4x + 1$.
5. Find the value of p for which the polynomial $x^3 - 3x^2 + 3x - p$ is exactly divisible by $x - 2$.
6. For what value of k; -4 is a zero of polynomial $x^2 - x - (2k + 2)$?
7. Two zeroes of $p(x) = x^3 - 6x^2 + 11x - 6$ are 2 and 3. Find the third zero.