

KENDRIYA VIDYALAYA LUNGLEI
WINTER HOLIDAY HOMEWORK (2018-2019)

CLASS – X

SUB- SST

Solve board question paper 2017 sst

SUB- MATHS

- 1) Construct a tangent to a circle of radius 4cm away from a point on the concentric circle of radius 6cm and measure its length.
- 2) If the median of the distribution given below is 28.5 , find the value of x and y .

C . I	0-10	10-20	20-30	30-40	40-50	50-60	Total
F	5	x	20	15	y	5	100

- 3) Find the missing frequencies f_1 and f_2 in the given table , it is being given that the mean of the given frequency distribution is 50.

Class	0-20	30-40	40-60	60-80	80-100	Total
Frequency	17	F_1	32	F_2	19	120

- 4) For the following distribution , draw the cumulative frequency curve more than type and hence obtain the median from the graph :

Marks	Below 10	Below 20	Below 30	Below 40	Below 50	Below 60
No. of Students	6	15	29	41	60	70

- 5) The angles of depression of the top and bottom of a building 50metres high as observed from the top of a tower are 30° and 60° respectively . Find the height of the tower and also the horizontal distance between the building and the tower.
- 6) An electric pole is 10m high . A steel wired tied to top of the pole is affixed at a point on the ground to keep the pole upright . If the wire makes an angle of 45° with the horizontal through the foot of the pole , find the length of the wire.
- 7) Prove that the length of tangent drawn from an external point to a circle are equal.
- 8) A quadrilateral ABDC is drawn to circumscribe a circle . Prove that $AB + CD = AD + BC$.

9) From the top of a tower 10m high , a man observes two cars on the opposite sides of the tower and in same straight line with its base , with the angles of depression 30° and 45° . Find the distance between the cars.

10) Find the mode of the following frequency distribution :

Marks	10-20	20-30	30-40	40-50	50-60
No.of Students	15	30	45	12	18

11) Find the mode age of patients from the following frequency distribution :

Age(in years)	6-15	16-25	26-35	36-45	46-55	56-65
NO .of patients	6	11	21	23	14	5

12) Find the mean marks by step deviation method from the following data :

Marks	Below 10	Below 20	Below 30	Below 40	Below 60	Below 70
No. of Students	4	10	18	28	40	70

13) Find the average height of maximum number of students from the following distribution :

Height (in cm)	160-162	163-165	166-168	169-171	172-174
No. of students	15	118	142	127	18

14) If a tangent PA and PB from a point P to a circle with centre O are inclined to each other at angle 80° find $\angle POA$.

SUB-SCIENCE

1. Draw a table of modern periodic table from 1-30.
2. What is chemical reaction ? Write the different type of chemical reaction.
3. Draw a diagram of human alimentary canal.
4. What is an electric motor? Also draw and describe the working of an electric motor.
5. State Fleming's left hand rule?
6. State Fleming's right hand rule.
7. Draw a diagram of transport and exchange of oxygen and carbon dioxide in blood capillaries. Describe it

SUB- GAME

1. Differentiate between games and sport. Write importance for youths.
2. Write 10 rules of badminton and basket ball.

SUB- COMPUTER

Q1 Write and Learn 5 multiple questions, fill in the blank, true or false and Match the following from the chapter that we have learnt.

Q2. Learn all the questions and answers from the Chapter that we have learnt.

Q3. Describe the different types of Malicious software? Explain in details.

Q4. What is e-commerce?

Q5. Describe the different types of e-commerce

SUB- HINDI

