22.01.20   EVERWIN VIDHYASHRAM
STD: IX(Girls)   TT – Social   Marks:25
I. Answer in one word or sentence: 10x½=5
1. The ------------ arrives at the southern tip of the Indian peninsula
by the first week of June.
2. What is Burst?
3. The ----------- receive the very first monsoon showers.
4. The total amount of winter rainfall is ---------
5. How many seasons are experienced in India?
6. The ------------ experience rising temperature and falling air
pressure in the northern part of the country.
7. The frequency and intensity of ----------- is another factor that
determines the amount and duration of monsoon rains.
8. Mawsynram is reputed for its ---------- and stalactite caves.
9. ----------- enables northern India to have uniformly higher
temperatures compared to other areas on the same latitude
10. The bulk of the rainfall of the ---------- is derived from depressions
and cyclones.
II. Answer in Brief: 3x5=15
1. What are the two branches of South-West monsoon? What are the
regions its covers in India?
2. What is called as season and what are the four types of season
experienced in India?
3. Justify the statement "The inflow of the South-West monsoon into
India brings about a total change in the weather"?
4. What is period of transition? What is "October heat"?
5. What unifying influence does the monsoon had over the Indian
subcontinent?
III. Answer in Detail: 1x5=5
1. What is the name of the season experienced between the months
March to May in India? What are the characteristic feature of that
season?

STD: IX(Boys)   TT – Maths   Marks:25

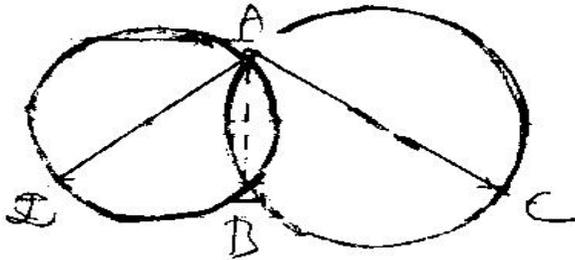I. Answer the following: 4x1=4

1. Angles in the same ---------- of a circle are equal.

2. ------------- of a circle subtend equal angles at the centre.

3. Equal chords of a circle are ----------- from the centre

4. The sum of either pair of opposite angles of a cyclic quadrilateral is ------------

II. Answer the following: 2x2=4

5. Find the length of a chord which is at a distance of 12cm from the centre of a circle of radius 13cm.

6. In figure, two circles intersects at two points A and B. AD and AC are diameters to the circles. Prove that B lies on the line segment DC

III. Answer the following: 3x3=9

7. If two equal chords of a circle intersect within the circle, prove that the line joining the point of intersection to the centre makes equal angles with the chord.

8. ABCD is a cyclic quadrilateral in which AC and BD are its diagonals. If $\angle DBC = 60^0$ and $\angle BAC = 50^0$, find $\angle BCD$.

9. Prove that a cyclic parallelogram is a rectangle.

IV. Solve: 2x4=8

10. A chord of a circle is equal to the radius of the circle. Find the angle subtended by the chord at a point on the minor arc and also at a point on the major arc.

11. A circular park of radius 20m is situated in a colony. Three boys Ajay, Sam and Dev are sitting at equal distance on its boundary each having a toy telephone in his hands to talk each other. Find the length of the string of each phone.