

**ST. THOMAS SCHOOL, DHURWA, RANCHI-4**  
**CLASS- 4, SUBJECT- COMPUTER**  
**LOGO**

**Q1. Name the LOGO Primitives, their functions and Syntax.**

**Ans- CS-** It stands for Clear Screen. It is used to clear the Graphics Window.

Syntax- CS ←┘

**CT-** It stands for Clear Text. It is used to clear the Listener Window.

Syntax- CT ←┘

**HT-** It stands for Hide Turtle. It makes the Turtle disappear from the screen.

Syntax- HT ←┘

**ST-** ST stands for Show Turtle. It makes the Turtle appear back on the screen.

Syntax- ST ←┘

**PU-** It stands for Pen Up. It lifts up the pen from the screen and moves the Turtle without making line.

Syntax- PU ←┘

**PD-** It stands for Pen Down. It instructs the Turtle to put the pen down on the screen and start making lines.

Syntax- PD ←┘

**BYE-** It helps to exit from LOGO.

Syntax- BYE ←┘

**HOME-** It brings the Turtle back to the center position.

Syntax- HOME ←┘

**Q2. Differences between- FD & BK, CS & CT, HT & ST, PU & PD.**

**Ans-** For example

PU	PD
It stands for Pen Up.	It stands for Pen Down.
It lifts up the pen from the screen and moves the Turtle without making line.	It instructs the Turtle to put the pen down on the screen and start making lines.

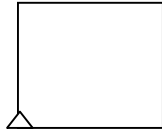
( likewise you can write the differences by writing full forms and the functions of the primitives.)

**Q3. What is Repeat Command?**

**Ans-** Repeat command is used to repeat a list of Primitives number of times accordingly.

Syntax: REPEAT <no. of times> [List of Primitives] ←↵

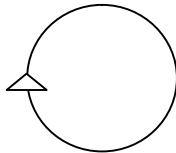
Example- To make Square- ? Repeat 4 [FD 80 RT 90] ←↵



Rectangle- ? Repeat 2 [FD 60 RT 90 FD 120 RT 90] ←↵



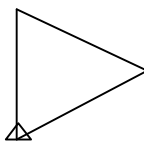
Circle- ? Repeat 360 [FD 1 RT 1] ←↵



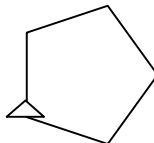
Semi-circle- ? Repeat 180 [FD 1 RT 1] ←↵



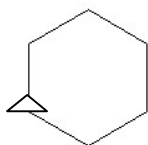
Triangle- ? Repeat 3 [FD 80 RT 120] ←↵



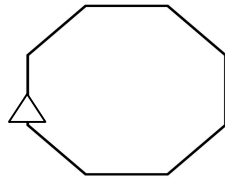
Pentagon- ? Repeat 5 [FD 90 RT 72] ←↵



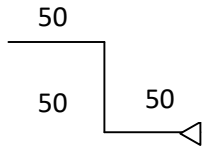
Hexagon- ? Repeat 6 [FD 70 RT 60] ←↵



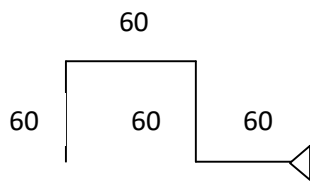
Octagon- ? Repeat 8 [FD 80 RT 45] ←┘



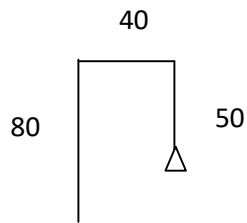
**Q4. Write the primitives of the following diagrams.**



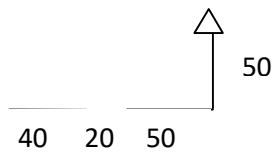
? FD 50 RT 90 FD 50 LT 90 FD 50 HT ←┘



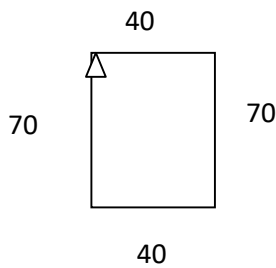
? FD 60 RT 90 FD 60 LT 90 FD 60 LT 90 FD 60 HT ←┘



? FD 50 LT 90 FD 40 LT 90 FD 80 HT ←┘



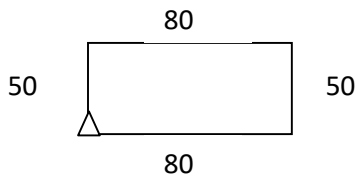
? BK 50 LT 90 FD 50 PU FD 20 PD FD 40 HT ←┘



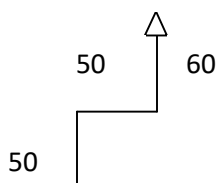
? BK 70 RT 90 FD 40 LT 90 FD 70 LT 90 FD 40 ←┘

OR

? RT 90 FD 40 RT 90 FD 70 RT 90 FD 40 RT 90 FD 70 ←┘



? FD 50 RT 90 FD 80 RT 90 FD 50 RT 90 FD 80 ←┘



? BK 60 LT 90 FD 50 LT 90 FD 50 HT ←┘

