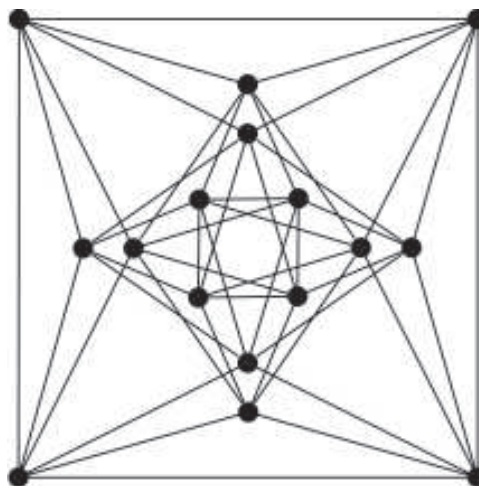**Quiz Corner–**

Quiz

1. *A lady mathematician is called the world's first computer programmer. She wrote the world's first machine algorithm for an early computing machine. What is her name?*

2. *The number e is a mathematical constant approximately equal to 2.71828. It was discovered while studying about compound interest. What is the name of the mathematician who discovered e?*

3. *Theon of Alexandria was a Greek scholar and mathematician who lived in Alexandria, Egypt. His daughter was also a famous mathematician. What is her name?*

4. *"I owe more to him than anyone else in the world with one exception, and my association with him is the one romantic incident of my life."*
   Who said this and who is the person referred to here?

5. *Pythagoras and his followers followed a motto in their philosophical pursuit. What is that motto?*

6. *Who was the first Indian mathematician who calculated the value of pi correct up to four places of decimal?*

7. *Prior to British period there was a type of mathematical system in Assam practised by a section of people called Kayasthas. Various documents scattered all over the state on their system were compiled and published in a book form. What is the name of the book and who authored it?*

8. *Who proposed Continuum Hypothesis and which area of mathematics does it belong to?*

9. *Who first coined the term imaginary number to $i=\sqrt{-1}$?*

10. *An Indian mathematician is credited to have contributed to calculus before Newton and Leibnitz. What is the name of the mathematician.*

11. "As long as people do mathematics, the work of Ramanujan will continue to be appreciated. Who said this?

12. What is the term used to express the numbers of the form $2^{2^n} +1$, n being non negative integer.

13. What is the number less than 100 with highest number of factors?

14. If $A=\sqrt{x+20}$ and $B=\sqrt{X+1}$ then find x for which x+20 and x+1 are perfect squares and also find A+B in that case.

15. Determine the possible values of 'c' so that the two lines x-y=2 and cx+y=3 interesect in the first quadrant.

(Compiled by Editorial Board, G.B.)

Shrikhande Graph : *Shrikhande graph named after Indian Mathematician Sharad Chandra Shankar Shrikhande (1917-2020) is a strongly regular graph with 16 vertices and 48 edges, with each vertex having degree 6.*