

1. What is Comet? Ans: An icy small solar body.
2. What were the subjects neglected by Ramanujan? Ans: History, English & Physiology
3. How many letters of Nehru were published? Ans: 196 letters
4. What is the name of the book which contains letters of Nehru to Indira?  
Ans: Glimpses of World History
5. Who proved 'Zero divided by zero is infinity?' Ans: Bhaskara
6. Who helped Ramanujan at Cambridge University? Ans: G.H. Hardy & J.E. Little wood
7. Which disease devoured Ramanujan? Ans: Tuberculosis
8. Who are referred as gladdest people? Ans: Who belong to stick-together/joint family
9. What is the meaning for 'fascinated'? Ans: extremely interested/attracted
10. What is the antonym of or 'private'? Ans: Public
11. Identify the determiner. My father has many cars. Ans: my/many
12. Who wrote the letter 'Christmas Truce' to whom? Ans: Tom to his sister Janet.
13. What does the phrase 'great drama' refer to? Ans: India's freedom movement
14. Two angles are \_\_\_\_\_ if their sum is  $180^\circ$ . Ans: Supplementary
15. A line which intersects two or more lines at distinct points is called a \_\_\_\_\_ of those lines.  
Ans: transversal
16. Exterior angle = sum of \_\_\_\_\_ Ans: 2 interior opposite angles
17. A \_\_\_\_\_ is a quadrilateral in which opposite sides are parallel and all sides are equal Ans: Rhombus
18. Angle inscribed in a semicircle is \_\_\_\_\_. Ans: Right angle
19. The set of three numbers are called as \_\_\_\_\_ as they form the sides of a right angled triangle. Ans: Pythagorean Triplet
20. The reciprocal of  $\operatorname{cosec} \theta$  is \_\_\_\_\_ Ans:  $\sin \theta$
21. The longest side of a right angled triangle is \_\_\_\_\_ Ans: hypotenuse
22. Pythagoras theorem is applicable for \_\_\_\_\_ triangle. Ans: right angled
23. If  $\sin \theta = \frac{1}{\sqrt{2}}$  then  $\theta =$  \_\_\_\_\_. Ans:  $45^\circ$
24. Formula for semiperimeter of the triangle. Ans:  $S = \frac{a+b+c}{2}$
25. Formula used to find the area of an equilateral triangle. Ans:  $\frac{\sqrt{3}}{4} a^2$  sq.units
26. The \_\_\_\_\_ act insisted on repaying the debt in gold or silver. Ans: Currency
27. Which of the following was used as fuel in olden days to smelt iron? (Firewood/charcoal)  
Ans: Charcoal
28. \_\_\_\_\_ were money lenders in the Tamil Speaking areas. Ans: Nattukottai Chettiyars
29. The secondary sector of the economy converts raw materials into \_\_\_\_\_. Ans: Finished goods
30. \_\_\_\_\_ indicates the purpose or theme of the map. Ans: Title
31. When you happen to see a fire break out, you will make a call to \_\_\_\_\_. Ans: 112
32. Mention the name of the secret ballot method exercised to elect members to the village councils during the cold period. Ans: Kuda Olai Murai
33. \_\_\_\_\_ system can be considered as the first form of trade. Ans: Barter
34. Which is the major occupation of people in Tamil Nadu? Ans: Agriculture
35. Which city has recorded the maximum number of emigrants in Tamil Nadu? Ans: Chennai
36. GPS consists of a constellation of \_\_\_\_\_ satellites. Ans: 24
37. The art of mapping is called \_\_\_\_\_. Ans: Cartography
38. The dryer in a washing machine is an example for centrifugal force. (True(or)False) Ans: True
39. Lateral inversion means \_\_\_\_\_. Ans: Sidewise inversion
40. \_\_\_\_\_ is the formula to convert Celsius scale to Kelvin scale. Ans:  $K=C+273.15$
41. Noble gases belong to \_\_\_\_\_ group of the period table. Ans: 18<sup>th</sup>
42. Acids turn blue litmus paper to \_\_\_\_\_. Ans: red
43. \_\_\_\_\_ is a mixture of hydrochloric acid and nitric acid optimally in a molar ratio of 3:1 Ans: Aquaregia
44. Pain Killer drugs are called \_\_\_\_\_. Ans: Analgesics
45. \_\_\_\_\_ is a chemical used in finger print Analysis. Ans: Ninhydrin
46. Deficiency diseases can be prevented by taking \_\_\_\_\_ diet. Ans: balanced
47. \_\_\_\_\_ vaccine gives considerable protection against tuberculosis. Ans: BCG
48. Typhoid fever is caused by \_\_\_\_\_. Ans: Salmonella typhi

49. Carica papaya leaf can cure \_\_\_\_\_ disease. Ans: Dengue
50. பாஞ்சாலி சபதத்தின் ஆசிரியர் யார்? விடை: பாரதியார்
51. பின்வருநிலையணி எத்தனை வகைப்படும்? விடை: மூன்று
52. 'யாதும் ஊரே யாவரும் கேளிர்' - கூறியவர் யார்? விடை: கணியன் பூங்குன்றனார்
53. குறுந்தொகை \_\_\_\_\_ நூல்களுள் ஒன்று. விடை: எட்டுத்தொகை
54. யாமரம் எந்த நிலத்தில் வளரும்? விடை: பாலை
55. "அக்கறை" கவிதைப்பேழையின் ஆசிரியர் யார்? விடை: கல்யாணஜி
56. முதிர்ந்த ஆளுமைக்கு எத்தனை இலக்கணங்கள் இன்றியமையாதது? விடை: மூன்று
57. தென்னாட்டு பெர்னாட்ஷா என்று அழைக்கப்படுபவர் யார்? விடை: அறிஞர் அண்ணா
58. மயில் கூவும் - மரபுப் பிழையைத் திருத்துக. விடை: மயில் அகவும்
59. நேர் நேர் \_\_\_\_\_. விடை: தேமா
60. யாப்பிலக்கணத்தின் உறுப்புகள் எத்தனை? விடை: ஆறு