



Sample Questions

Section A: Science (1–20)

1. What is the chemical symbol of Sodium?
A) So B) Na C) S D) Sn
2. Which organ pumps blood in the human body?
A) Brain B) Liver C) Heart D) Kidney
3. What is the unit of force?
A) Joule B) Watt C) Newton D) Pascal
4. Which planet is known as the Red Planet?
A) Venus B) Mars C) Jupiter D) Saturn
5. What gas do plants absorb from the atmosphere?
A) Oxygen B) Nitrogen C) Carbon dioxide D) Hydrogen
6. Speed is defined as:
A) Distance \times Time B) Distance / Time C) Time / Distance D) Force \times Distance
7. Which vitamin is produced by sunlight?
A) Vitamin A B) Vitamin B C) Vitamin C D) Vitamin D
8. Water boils at what temperature ($^{\circ}\text{C}$)?
A) 90 B) 100 C) 80 D) 120
9. What is the center of an atom called?
A) Electron B) Proton C) Nucleus D) Orbit
10. Which part of the plant makes food?
A) Root B) Stem C) Leaf D) Flower
11. What type of energy is stored in food?
A) Kinetic B) Chemical C) Nuclear D) Thermal
12. Which force pulls objects toward Earth?
A) Magnetic B) Friction C) Gravity D) Tension
13. What is H_2O commonly known as?
A) Oxygen B) Hydrogen C) Water D) Salt
14. Which organ helps in breathing?
A) Liver B) Heart C) Lungs D) Brain

15. Sound travels fastest in:
A) Air B) Water C) Solids D) Vacuum
16. Which is a renewable energy source?
A) Coal B) Oil C) Solar D) Gas
17. The Earth revolves around:
A) Moon B) Mars C) Sun D) Jupiter
18. Which blood cells fight infection?
A) Red B) White C) Platelets D) Plasma
19. What is the pH of neutral water?
A) 5 B) 7 C) 9 D) 11
20. What is the largest organ of the human body?
A) Heart B) Liver C) Skin D) Brain
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Section B: Technology & Engineering (21–35)

21. What does CPU stand for?
A) Central Process Unit B) Central Processing Unit C) Computer Personal Unit
D) Control Processing Unit
22. Which device is used to input data?
A) Monitor B) Keyboard C) Printer D) Speaker
23. Binary system uses:
A) 0–9 B) 1–10 C) 0 and 1 D) 1–5
24. Which language is used to design websites?
A) HTML B) C++ C) Java D) Python
25. A bridge is an example of:
A) Software B) Hardware C) Structure D) Circuit
26. Which tool is used to measure length?
A) Thermometer B) Ruler C) Barometer D) Ammeter
27. Internet is a:
A) Device B) Network C) Software D) Program

28. Which energy runs a computer?
A) Solar B) Electrical C) Wind D) Chemical
29. What does ICT stand for?
A) Information and Communication Technology
B) Internet Control Technology
C) Internal Communication Tool
D) Information Control Technique
30. Which part stores data?
A) RAM B) Monitor C) Keyboard D) Mouse
31. A pulley helps to:
A) Increase weight B) Change direction of force C) Reduce friction D) Store energy
32. Engineering mainly deals with:
A) Painting B) Designing and building C) Singing D) Farming
33. Which is a renewable technology?
A) Solar panel B) Diesel engine C) Coal plant D) Gas turbine
34. A robot is:
A) Human B) Machine C) Animal D) Software only
35. GPS is used for:
A) Cooking B) Navigation C) Drawing D) Typing
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Section C: Mathematics (36–50)

36. What is 12×8 ?
A) 96 B) 88 C) 108 D) 84
37. What is the square of 9?
A) 18 B) 81 C) 27 D) 72
38. $1/2 + 1/4 = ?$
A) $3/4$ B) $2/6$ C) $1/6$ D) $1/8$
39. What is the value of π (approx.)?
A) 2.14 B) 3.14 C) 4.13 D) 3.41

40. A triangle has how many sides?
A) 2 B) 3 C) 4 D) 5
41. What is $100 \div 5$?
A) 15 B) 20 C) 25 D) 30
42. What is 7^2 ?
A) 14 B) 21 C) 49 D) 28
43. What is the perimeter of a square (side = 4 cm)?
A) 8 B) 12 C) 16 D) 20
44. What is 15% of 100?
A) 10 B) 15 C) 20 D) 25
45. Which is an even number?
A) 7 B) 9 C) 10 D) 11
46. What is the next number: 2, 4, 8, 16, ?
A) 18 B) 24 C) 32 D) 20
47. What is the sum of angles in a triangle?
A) 90° B) 180° C) 270° D) 360°
48. What is 50% of 200?
A) 50 B) 75 C) 100 D) 150
49. What is $9 + 6 \times 2$?
A) 30 B) 21 C) 24 D) 18
50. What is the value of 5^3 ?
A) 15 B) 25 C) 125 D) 100