Elementary - Quiz Bank

Quiz Bank

**ELEMENTARY LEVEL  
  
Easy Questions**

1. What is the capital of the Philippines?  
    a) Cebu  
    b) Manila  
    c) Davao  
    d) Baguio  
    **Answer: B**
2. Which planet is known as the “Red Planet”?  
    a) Venus  
    b) Mars  
    c) Jupiter  
    d) Saturn  
    **Answer: B**
3. Who is the Philippine national hero?  
    a) Andres Bonifacio  
    b) Jose Rizal  
    c) Emilio Aguinaldo  
    d) Apolinario Mabini  
    **Answer: B**
4. What is the largest ocean on Earth?  
    a) Atlantic Ocean  
    b) Pacific Ocean  
    c) Indian Ocean  
    d) Arctic Ocean  
    **Answer: B**
5. What is the national flower of the Philippines?  
    a) Sampaguita  
    b) Gumamela  
    c) Waling-waling  
    d) Bougainvillea  
    **Answer: A**
6. Which country is known as the “Land of the Rising Sun”?  
    a) Korea  
    b) Japan  
    c) China  
    d) Thailand  
    **Answer: B**
7. Which Philippine city is called the “Summer Capital”?  
    a) Tagaytay  
    b) Vigan  
    c) Baguio City  
    d) Laoag  
    **Answer: C**
8. What is the smallest continent in the world?  
    a) Europe  
    b) Australia  
    c) Africa  
    d) South America  
    **Answer: B**
9. Which is the Philippine national bird?  
    a) Maya  
    b) Philippine Eagle  
    c) Dove  
    d) Hawk  
    **Answer: B**
10. The Great Wall of China was mainly built to protect against which group?  
     a) Mongols  
     b) Japanese  
     c) Russians  
     d) Turks  
     **Answer: A**
11. Which sea borders the Philippines to the west?  
     a) Pacific Ocean  
     b) South China Sea  
     c) Celebes Sea  
     d) Philippine Sea  
     **Answer: B**
12. Which country gifted the Statue of Liberty to the United States?  
     a) Spain  
     b) France  
     c) Italy  
     d) England  
     **Answer: B**
13. Who is the “Father of the Philippine Revolution”?  
     a) Jose Rizal  
     b) Andres Bonifacio  
     c) Emilio Aguinaldo  
     d) Antonio Luna  
     **Answer: B**
14. Which is the fastest land animal?  
     a) Tiger  
     b) Lion  
     c) Cheetah  
     d) Horse  
     **Answer: C**
15. What do the three stars on the Philippine flag represent?  
     a) Luzon, Visayas, Mindanao  
     b) Past, Present, Future  
     c) Faith, Hope, Love  
     d) Sea, Land, Air  
     **Answer: A**
16. Which gas do humans breathe in to live?  
     a) Carbon dioxide  
     b) Nitrogen  
     c) Oxygen  
     d) Helium  
     **Answer: C**
17. Which Philippine volcano is the world’s smallest active volcano?  
     a) Mayon  
     b) Taal  
     c) Kanlaon  
     d) Bulusan  
     **Answer: B**
18. Which country invented paper?  
     a) Greece  
     b) China  
     c) Egypt  
     d) India  
     **Answer: B**
19. Who was the first Philippine president?  
     a) Jose Rizal  
     b) Emilio Aguinaldo  
     c) Manuel L. Quezon  
     d) Ferdinand Marcos  
     **Answer: B**
20. Which is the largest desert in the world?  
     a) Gobi  
     b) Sahara  
     c) Kalahari  
     d) Atacama  
     **Answer: B**
21. What is the currency of the Philippines?  
     a) Peso  
     b) Yen  
     c) Dollar  
     d) Ringgit  
     **Answer: A**
22. Which is the tallest animal in the world?  
     a) Elephant  
     b) Horse  
     c) Giraffe  
     d) Camel  
     **Answer: C**
23. Which Philippine festival is celebrated in Aklan?  
     a) Sinulog  
     b) Dinagyang  
     c) Ati-Atihan  
     d) Panagbenga  
     **Answer: C**
24. Who painted the Mona Lisa?  
     a) Pablo Picasso  
     b) Leonardo da Vinci  
     c) Michelangelo  
     d) Vincent van Gogh  
     **Answer: B**
25. Which is the oldest city in the Philippines?  
     a) Manila  
     b) Cebu City  
     c) Iloilo City  
     d) Vigan  
     **Answer: B**
26. Which planet is the largest in the solar system?  
     a) Earth  
     b) Saturn  
     c) Jupiter  
     d) Neptune  
     **Answer: C**
27. Which Philippine dish is considered the national dish?  
     a) Sinigang  
     b) Adobo  
     c) Kare-kare  
     d) Lechon  
     **Answer: B**
28. In which continent is Egypt located?  
     a) Asia  
     b) Africa  
     c) Europe  
     d) South America  
     **Answer: B**
29. What is the traditional Filipino Christmas lantern called?  
     a) Ilaw  
     b) Bituin  
     c) Parol  
     d) Kandelaria  
     **Answer: C**
30. Who wrote “Romeo and Juliet”?  
     a) William Shakespeare  
     b) Charles Dickens  
     c) Mark Twain  
     d) George Orwell  
     **Answer: A**

**Medium**

1. Who is known as the “Brains of the Philippine Revolution”?  
    a) Jose Rizal  
    b) Apolinario Mabini  
    c) Andres Bonifacio  
    d) Emilio Aguinaldo  
    **Answer: B**
2. What is the world’s longest river?  
    a) Amazon River  
    b) Nile River  
    c) Yangtze River  
    d) Mississippi River  
    **Answer: B**
3. Which Philippine president declared Martial Law in 1972?  
    a) Ferdinand Marcos  
    b) Manuel Roxas  
    c) Emilio Aguinaldo  
    d) Manuel L. Quezon  
    **Answer: A**
4. Which scientist proposed the theory of relativity?  
    a) Isaac Newton  
    b) Albert Einstein  
    c) Galileo Galilei  
    d) Stephen Hawking  
    **Answer: B**
5. Who is the “Mother of the Philippine Flag”?  
    a) Corazon Aquino  
    b) Marcela Agoncillo  
    c) Gabriela Silang  
    d) Melchora Aquino  
    **Answer: B**
6. What is the largest country in the world by area?  
    a) Canada  
    b) United States  
    c) China  
    d) Russia  
    **Answer: D**
7. What is the second highest mountain in the Philippines?  
    a) Mt. Apo  
    b) Mt. Dulang-Dulang  
    c) Mt. Pulag  
    d) Mt. Kanlaon  
    **Answer: B**
8. The Great Pyramid of Giza is located in which country?  
    a) Iraq  
    b) Egypt  
    c) Sudan  
    d) Turkey  
    **Answer: B**
9. Which Philippine hero is known as the “Hero of Tirad Pass”?  
    a) Emilio Aguinaldo  
    b) Gregorio del Pilar  
    c) Juan Luna  
    d) Melchora Aquino  
    **Answer: B**
10. What is the chemical symbol for Gold?  
     a) Ag  
     b) Au  
     c) Gd  
     d) Go  
     **Answer: B**
11. The University of Santo Tomas (UST) in Manila was founded in what year?  
     a) 1611  
     b) 1800  
     c) 1901  
     d) 1702  
     **Answer: A**
12. The Taj Mahal is located in which Indian city?  
     a) Mumbai  
     b) Agra  
     c) Delhi  
     d) Jaipur  
     **Answer: B**
13. Which Philippine island is the largest?  
     a) Mindoro  
     b) Mindanao  
     c) Luzon  
     d) Samar  
     **Answer: C**
14. The famous painting *Starry Night* was created by which artist?  
     a) Pablo Picasso  
     b) Vincent van Gogh  
     c) Claude Monet  
     d) Salvador Dali  
     **Answer: B**
15. Which Philippine lawmaker is known as the “Grand Old Man of Philippine Politics”?  
     a) Manuel Roxas  
     b) Manuel L. Quezon  
     c) Sergio Osmeña  
     d) Diosdado Macapagal  
     **Answer: C**
16. Which planet has the most moons?  
     a) Earth  
     b) Jupiter  
     c) Saturn  
     d) Uranus  
     **Answer: B**
17. The Philippine “Ifugao Rice Terraces” are found in which province?  
     a) Benguet  
     b) Ifugao  
     c) Kalinga  
     d) Nueva Ecija  
     **Answer: B**
18. What is the currency of Japan?  
     a) Won  
     b) Yen  
     c) Yuan  
     d) Dollar  
     **Answer: B**
19. The Philippine Independence was proclaimed on June 12, 1898 in which town?  
     a) Cavite (Kawit)  
     b) Manila  
     c) Bulacan  
     d) Laguna  
     **Answer: A**
20. Which is the largest mammal in the world?  
     a) Elephant  
     b) Blue Whale  
     c) Orca  
     d) Whale Shark  
     **Answer: B**
21. The *Malolos Constitution* was drafted in what year?  
     a) 1899  
     b) 1901  
     c) 1872  
     d) 1946  
     **Answer: A**
22. Which country is home to the Eiffel Tower?  
     a) Spain  
     b) France  
     c) Italy  
     d) Germany  
     **Answer: B**
23. The Philippine epic “Biag ni Lam-ang” comes from which region?  
     a) Ilocos  
     b) Bicol  
     c) Visayas  
     d) Mindanao  
     **Answer: A**
24. Which gas makes up most of Earth’s atmosphere?  
     a) Oxygen  
     b) Carbon dioxide  
     c) Nitrogen  
     d) Hydrogen  
     **Answer: C**
25. Who was the first woman president of the Philippines?  
     a) Gloria Macapagal-Arroyo  
     b) Corazon Aquino  
     c) Imelda Marcos  
     d) Leni Robredo  
     **Answer: B**
26. The Leaning Tower of Pisa is located in which country?  
     a) Spain  
     b) Italy  
     c) France  
     d) Greece  
     **Answer: B**
27. Who is considered the “Father of Philippine Independence”?  
     a) Andres Bonifacio  
     b) Emilio Aguinaldo  
     c) Jose Rizal  
     d) Antonio Luna  
     **Answer: B**
28. Which continent is the driest?  
     a) Africa  
     b) Antarctica  
     c) Australia  
     d) Asia  
     **Answer: B**
29. The Philippine folk dance “Tinikling” is inspired by which animal?  
     a) Monkey  
     b) Bird  
     c) Snake  
     d) Crab  
     **Answer: B**
30. The Berlin Wall fell in which year?  
     a) 1987  
     b) 1989  
     c) 1991  
     d) 1993  
     **Answer: B**

**Hard**

1. Who was the editor of the revolutionary newspaper *La Solidaridad*?  
    a) Jose Rizal  
    b) Marcelo H. del Pilar  
    c) Graciano López Jaena  
    d) Apolinario Mabini  
    **Answer: B**
2. What is the smallest country in the world by land area?  
    a) Monaco  
    b) Nauru  
    c) Vatican City  
    d) Liechtenstein  
    **Answer: C**
3. The “Cry of Pugad Lawin” marked the beginning of which Philippine movement?  
    a) Propaganda Movement  
    b) Katipunan Revolution  
    c) Reform Movement  
    d) La Liga Filipina  
    **Answer: B**
4. The scientific study of earthquakes is called what?  
    a) Volcanology  
    b) Geology  
    c) Seismology  
    d) Meteorology  
    **Answer: C**
5. Which Philippine general was known as the “Hero of Tirad Pass”?  
    a) Antonio Luna  
    b) Miguel Malvar  
    c) Gregorio del Pilar  
    d) Artemio Ricarte  
    **Answer: C**
6. In what year did World War II end?  
    a) 1943  
    b) 1944  
    c) 1945  
    d) 1946  
    **Answer: C**
7. Which Philippine president signed the 1987 Constitution?  
    a) Ferdinand Marcos  
    b) Corazon Aquino  
    c) Fidel V. Ramos  
    d) Diosdado Macapagal  
    **Answer: B**
8. The Suez Canal connects the Mediterranean Sea with which other body of water?  
    a) Red Sea  
    b) Arabian Sea  
    c) Black Sea  
    d) Caspian Sea  
    **Answer: A**
9. Who founded the Katipunan, the secret revolutionary society against Spain?  
    a) Emilio Aguinaldo  
    b) Jose Rizal  
    c) Andres Bonifacio  
    d) Apolinario Mabini  
    **Answer: C**
10. Mount Everest is located on the border of which two countries?  
     a) India and Nepal  
     b) Nepal and China (Tibet)  
     c) Bhutan and Nepal  
     d) India and China  
     **Answer: B**
11. The “Battle of Mactan” in 1521 was led by which native chieftain against the Spaniards?  
     a) Lapu-Lapu  
     b) Rajah Sulayman  
     c) Datu Puti  
     d) Datu Lakandula  
     **Answer: A**
12. The ancient city of Machu Picchu is located in which country?  
     a) Brazil  
     b) Peru  
     c) Bolivia  
     d) Chile  
     **Answer: B**
13. Who was known as the “Sublime Paralytic” in Philippine history?  
     a) Apolinario Mabini  
     b) Emilio Aguinaldo  
     c) Marcelo H. del Pilar  
     d) Juan Luna  
     **Answer: A**
14. What is the largest island in the Mediterranean Sea?  
     a) Sardinia  
     b) Corsica  
     c) Sicily  
     d) Crete  
     **Answer: C**
15. Where was Jose Rizal executed in 1896?  
     a) Luneta (Bagumbayan)  
     b) Intramuros  
     c) Fort Santiago  
     d) Cavite  
     **Answer: A**
16. What is the capital city of Kazakhstan?  
     a) Tashkent  
     b) Bishkek  
     c) Astana (Nur-Sultan)  
     d) Almaty  
     **Answer: C**
17. Who was the first Filipino to head the United Nations General Assembly?  
     a) Carlos P. Romulo  
     b) Sergio Osmeña  
     c) Manuel Roxas  
     d) Diosdado Macapagal  
     **Answer: A**
18. Which famous scientist discovered penicillin?  
     a) Louis Pasteur  
     b) Alexander Fleming  
     c) Joseph Lister  
     d) Marie Curie  
     **Answer: B**
19. What is the official newspaper of the Philippine government?  
     a) Manila Bulletin  
     b) Official Gazette  
     c) Philippine Star  
     d) Philippine Daily Inquirer  
     **Answer: B**
20. Which African country was formerly known as Abyssinia?  
     a) Sudan  
     b) Ethiopia  
     c) Eritrea  
     d) Somalia  
     **Answer: B**
21. Who was the last Spanish Governor-General of the Philippines?  
     a) Miguel López de Legazpi  
     b) Diego de los Ríos  
     c) Basilio Augustín  
     d) Ramon Blanco  
     **Answer: B**
22. Which country is the largest producer of coffee in the world?  
     a) Vietnam  
     b) Brazil  
     c) Colombia  
     d) Ethiopia  
     **Answer: B**
23. Who is considered the first Filipino hero, executed after the Cavite Mutiny in 1872?  
     a) Jose Rizal  
     b) Andres Bonifacio  
     c) Gomburza (Gomez, Burgos, Zamora)  
     d) Apolinario Mabini  
     **Answer: C**
24. In which year did the French Revolution begin?  
     a) 1776  
     b) 1789  
     c) 1804  
     d) 1812  
     **Answer: B**
25. The Philippine-American War officially began in what year?  
     a) 1898  
     b) 1899  
     c) 1901  
     d) 1902  
     **Answer: B**
26. Which scientist proposed the heliocentric theory that the Earth revolves around the Sun?  
     a) Galileo Galilei  
     b) Nicolaus Copernicus  
     c) Johannes Kepler  
     d) Tycho Brahe  
     **Answer: B**
27. The *Sandugo* or blood compact was made between Miguel López de Legazpi and which Bohol chieftain?  
     a) Rajah Sulayman  
     b) Datu Sikatuna  
     c) Lapu-Lapu  
     d) Datu Puti  
     **Answer: B**
28. The ancient Mesopotamian writing system is called what?  
     a) Hieroglyphics  
     b) Cuneiform  
     c) Sanskrit  
     d) Latin  
     **Answer: B**
29. Who was the first president of the Third Republic of the Philippines (1946)?  
     a) Emilio Aguinaldo  
     b) Manuel Roxas  
     c) Manuel L. Quezon  
     d) Sergio Osmeña  
     **Answer: B**
30. Which European city is divided by canals and known as the “Floating City”?  
     a) Amsterdam  
     b) Venice  
     c) Bruges  
     d) Copenhagen  
     **Answer: B**

High School - Quiz Bank

**HIGH SCHOOL LEVEL**

**Easy**

1. Solve for *x*: 2x + 5 = 15  
    a) 4  
    b) 5  
    c) 6  
    d) 7  
    **Answer: B**
2. Which organelle controls the activities of a cell?  
    a) Ribosome  
    b) Nucleus  
    c) Chloroplast  
    d) Mitochondrion  
    **Answer: B**
3. What is the acceleration due to gravity on Earth?  
    a) 8.9 m/s²  
    b) 9.8 m/s²  
    c) 10.8 m/s²  
    d) 12 m/s²  
    **Answer: B**
4. Who discovered penicillin?  
    a) Louis Pasteur  
    b) Alexander Fleming  
    c) Jonas Salk  
    d) Marie Curie  
    **Answer: B**
5. Simplify: (x + 2)(x – 2)  
    a) x² – 4  
    b) x² + 4  
    c) x² – 2x + 2  
    d) x² – 2  
    **Answer: A**
6. Which element has the chemical symbol Na?  
    a) Nitrogen  
    b) Sodium  
    c) Nickel  
    d) Neon  
    **Answer: B**
7. Who was assassinated in Sarajevo in 1914, sparking World War I?  
    a) Franz Ferdinand  
    b) Adolf Hitler  
    c) Joseph Stalin  
    d) Woodrow Wilson  
    **Answer: A**
8. In geometry, how many degrees are in a triangle?  
    a) 90°  
    b) 180°  
    c) 270°  
    d) 360°  
    **Answer: B**
9. Which is the largest internal organ in the human body?  
    a) Brain  
    b) Liver  
    c) Lungs  
    d) Kidneys  
    **Answer: B**
10. What is the chemical formula of table salt?  
     a) KCl  
     b) NaCl  
     c) CaCl₂  
     d) Na₂SO₄  
     **Answer: B**
11. The Cold War mainly involved which two countries?  
     a) USA & Germany  
     b) USA & USSR  
     c) USA & Japan  
     d) USSR & China  
     **Answer: B**
12. What is the SI unit of electric current?  
     a) Volt  
     b) Watt  
     c) Ampere  
     d) Ohm  
     **Answer: C**
13. The Battle of Hastings was fought in what year?  
     a) 1215  
     b) 1415  
     c) 1066  
     d) 1815  
     **Answer: C**
14. Solve: √225 = ?  
     a) 10  
     b) 12  
     c) 15  
     d) 20  
     **Answer: C**
15. Which vitamin is mainly produced when skin is exposed to sunlight?  
     a) Vitamin A  
     b) Vitamin B  
     c) Vitamin C  
     d) Vitamin D  
     **Answer: D**
16. Which country built the Great Wall?  
     a) Japan  
     b) China  
     c) India  
     d) Mongolia  
     **Answer: B**
17. The SI unit of energy is:  
     a) Watt  
     b) Joule  
     c) Newton  
     d) Pascal  
     **Answer: B**
18. Who was the first man in space?  
     a) Neil Armstrong  
     b) Yuri Gagarin  
     c) John Glenn  
     d) Buzz Aldrin  
     **Answer: B**
19. A polygon with 8 sides is called a:  
     a) Hexagon  
     b) Heptagon  
     c) Octagon  
     d) Nonagon  
     **Answer: C**
20. Which is the smallest bone in the human body?  
     a) Femur  
     b) Stapes  
     c) Tibia  
     d) Radius  
     **Answer: B**
21. The Wright brothers are famous for inventing the:  
     a) Car  
     b) Airplane  
     c) Train  
     d) Submarine  
     **Answer: B**
22. What is the boiling point of water in Celsius?  
     a) 50°C  
     b) 75°C  
     c) 100°C  
     d) 120°C  
     **Answer: C**
23. The Great Depression began in what year?  
     a) 1929  
     b) 1939  
     c) 1914  
     d) 1945  
     **Answer: A**
24. Solve for *x*: 5x = 45  
     a) 7  
     b) 8  
     c) 9  
     d) 10  
     **Answer: C**
25. The Amazon rainforest is located primarily in which country?  
     a) Peru  
     b) Brazil  
     c) Colombia  
     d) Venezuela  
     **Answer: B**
26. Which particle has a positive charge?  
     a) Neutron  
     b) Proton  
     c) Electron  
     d) Photon  
     **Answer: B**
27. Which Shakespeare play features the characters Rosencrantz and Guildenstern?  
     a) Macbeth  
     b) Hamlet  
     c) Othello  
     d) Julius Caesar  
     **Answer: B**
28. The chemical formula for carbon dioxide is:  
     a) CO  
     b) CO₂  
     c) C₂O  
     d) C₂O₂  
     **Answer: B**
29. The Renaissance began in which country?  
     a) France  
     b) Germany  
     c) Italy  
     d) Spain  
     **Answer: C**
30. Solve: (7 × 6) ÷ 3 = ?  
     a) 12  
     b) 13  
     c) 14  
     d) 15  
     **Answer: C**

**Medium**

1. Solve: 2x² – 5x – 3 = 0  
    a) x = –1, 3  
    b) x = 1, –3  
    c) x = 3, 2  
    d) x = 0, 5  
    **Answer: A**
2. Which blood type is the universal donor?  
    a) A  
    b) AB  
    c) O-  
    d) O+  
    **Answer: C**
3. What is the acceleration of a 10 kg mass when a force of 50 N is applied?  
    a) 2 m/s²  
    b) 5 m/s²  
    c) 10 m/s²  
    d) 20 m/s²  
    **Answer: B**
4. Which scientist proposed the theory of evolution by natural selection?  
    a) Isaac Newton  
    b) Gregor Mendel  
    c) Charles Darwin  
    d) Albert Einstein  
    **Answer: C**
5. Balance the equation: H₂ + O₂ → H₂O  
    a) 2H₂ + O₂ → 2H₂O  
    b) H₂ + O₂ → 2H₂O  
    c) H₂ + 2O₂ → H₂O  
    d) 2H₂ + 2O₂ → 2H₂O  
    **Answer: A**
6. Which treaty ended World War II in Europe?  
    a) Treaty of Paris  
    b) Treaty of Versailles  
    c) German Instrument of Surrender  
    d) Treaty of London  
    **Answer: C**
7. Solve for the slope of a line passing through (2, 3) and (6, 7).  
    a) 1  
    b) 2  
    c) 3  
    d) 4  
    **Answer: A**
8. The SI unit of pressure is:  
    a) Pascal  
    b) Joule  
    c) Watt  
    d) Newton  
    **Answer: A**
9. The mitochondria produce energy in the form of:  
    a) RNA  
    b) DNA  
    c) ATP  
    d) Glucose  
    **Answer: C**
10. In history, the Silk Road connected China mainly to which region?  
     a) Africa  
     b) Europe  
     c) South America  
     d) Australia  
     **Answer: B**
11. What is the chemical symbol for lead?  
     a) Ld  
     b) Le  
     c) Pb  
     d) Pl  
     **Answer: C**
12. Which law states that pressure is inversely proportional to volume?  
     a) Boyle’s Law  
     b) Charles’ Law  
     c) Newton’s Law  
     d) Ohm’s Law  
     **Answer: A**
13. Which empire built Machu Picchu?  
     a) Aztec  
     b) Inca  
     c) Maya  
     d) Olmec  
     **Answer: B**
14. Solve for the circumference of a circle with radius 7 cm (π = 3.14).  
     a) 22 cm  
     b) 33 cm  
     c) 44 cm  
     d) 50 cm  
     **Answer: C**
15. What is the powerhouse of plant cells?  
     a) Chloroplast  
     b) Nucleus  
     c) Mitochondria  
     d) Ribosome  
     **Answer: C**
16. Which scientist is known for E = mc²?  
     a) Isaac Newton  
     b) Albert Einstein  
     c) Niels Bohr  
     d) Galileo  
     **Answer: B**
17. The “Iron Curtain” described the division between:  
     a) North & South America  
     b) Eastern & Western Europe  
     c) Asia & Africa  
     d) East & West Germany only  
     **Answer: B**
18. Solve: log₁₀(1000) = ?  
     a) 1  
     b) 2  
     c) 3  
     d) 4  
     **Answer: C**
19. Which planet rotates on its side, unlike others?  
     a) Venus  
     b) Uranus  
     c) Saturn  
     d) Neptune  
     **Answer: B**
20. The Green Revolution is associated with:  
     a) Space exploration  
     b) Agricultural development  
     c) Climate activism  
     d) Industrialization  
     **Answer: B**
21. Solve: sin(30°) = ?  
     a) 0  
     b) 0.5  
     c) 1  
     d) √3/2  
     **Answer: B**
22. The fall of the Berlin Wall happened in:  
     a) 1979  
     b) 1989  
     c) 1999  
     d) 2001  
     **Answer: B**
23. Which type of chemical bond involves sharing of electrons?  
     a) Ionic  
     b) Covalent  
     c) Metallic  
     d) Hydrogen  
     **Answer: B**
24. Who was the first female Prime Minister of the UK?  
     a) Theresa May  
     b) Margaret Thatcher  
     c) Angela Merkel  
     d) Indira Gandhi  
     **Answer: B**
25. The SI unit of frequency is:  
     a) Watt  
     b) Hertz  
     c) Volt  
     d) Tesla  
     **Answer: B**
26. What is the capital of Canada?  
     a) Toronto  
     b) Vancouver  
     c) Ottawa  
     d) Montreal  
     **Answer: C**
27. The Pythagorean Theorem applies to which type of triangle?  
     a) Equilateral  
     b) Scalene  
     c) Right-angled  
     d) Isosceles  
     **Answer: C**
28. Which element has the highest melting point?  
     a) Tungsten  
     b) Iron  
     c) Gold  
     d) Carbon  
     **Answer: A**
29. Solve for x: 2x + 3 = 7x – 12  
     a) 2  
     b) 3  
     c) –3  
     d) –4  
     **Answer: D**
30. The Reformation was led by:  
     a) Martin Luther  
     b) John Calvin  
     c) Henry VIII  
     d) All of the above  
     **Answer: D**

**Hard**

1. Solve for *x*: 2x² – 8x + 6 = 0  
    a) 1, 3  
    b) –1, –3  
    c) 2, 6  
    d) –2, –6  
    **Answer: A**
2. Which organ in the human body produces insulin?  
    a) Liver  
    b) Kidney  
    c) Pancreas  
    d) Gallbladder  
    **Answer: C**
3. What is the escape velocity from Earth?  
    a) 8 km/s  
    b) 11.2 km/s  
    c) 15 km/s  
    d) 20 km/s  
    **Answer: B**
4. Which chemical law states that mass is neither created nor destroyed?  
    a) Law of Definite Proportions  
    b) Law of Multiple Proportions  
    c) Law of Conservation of Mass  
    d) Law of Constant Composition  
    **Answer: C**
5. Who was the first Holy Roman Emperor?  
    a) Julius Caesar  
    b) Charlemagne  
    c) Constantine  
    d) Otto I  
    **Answer: B**
6. A projectile is launched at 30 m/s at 60°. What is its maximum height? (g = 10 m/s²)  
    a) 22.5 m  
    b) 30 m  
    c) 45 m  
    d) 50 m  
    **Answer: C**
7. The Krebs Cycle occurs in which part of the cell?  
    a) Nucleus  
    b) Mitochondrial matrix  
    c) Cytoplasm  
    d) Ribosome  
    **Answer: B**
8. The longest river in the world is:  
    a) Nile  
    b) Amazon  
    c) Yangtze  
    d) Mississippi  
    **Answer: B**
9. Which scientist discovered radioactivity?  
    a) Pierre Curie  
    b) Marie Curie  
    c) Henri Becquerel  
    d) Ernest Rutherford  
    **Answer: C**
10. Evaluate: ∫ (2x) dx from 0 to 3  
     a) 3  
     b) 6  
     c) 9  
     d) 18  
     **Answer: D**
11. The atomic number represents:  
     a) Number of neutrons  
     b) Number of electrons only  
     c) Number of protons  
     d) Mass number  
     **Answer: C**
12. The Hundred Years’ War was fought between:  
     a) England & Germany  
     b) England & France  
     c) France & Spain  
     d) Spain & Portugal  
     **Answer: B**
13. Solve: (x² – 4x + 4) ÷ (x – 2)  
     a) x – 2  
     b) x + 2  
     c) x – 4  
     d) x² – 2  
     **Answer: A**
14. Which layer of the atmosphere contains the ozone layer?  
     a) Troposphere  
     b) Stratosphere  
     c) Mesosphere  
     d) Thermosphere  
     **Answer: B**
15. The Bolshevik Revolution happened in:  
     a) 1914  
     b) 1917  
     c) 1929  
     d) 1939  
     **Answer: B**
16. Find the derivative of f(x) = 3x³ – 5x² + 2x – 7  
     a) 9x² – 10x + 2  
     b) 6x² – 5x + 2  
     c) 9x² – 5x + 2  
     d) 3x² – 10x + 2  
     **Answer: A**
17. Which branch of biology studies classification?  
     a) Anatomy  
     b) Taxonomy  
     c) Ecology  
     d) Genetics  
     **Answer: B**
18. What is the capital of Kazakhstan?  
     a) Almaty  
     b) Astana (Nur-Sultan)  
     c) Bishkek  
     d) Tashkent  
     **Answer: B**
19. The Heisenberg Uncertainty Principle applies to:  
     a) Position & velocity of particles  
     b) Laws of motion  
     c) Conservation of energy  
     d) Ideal gases  
     **Answer: A**
20. In economics, GDP stands for:  
     a) Gross Domestic Product  
     b) General Domestic Price  
     c) Government Debt Policy  
     d) Global Development Plan  
     **Answer: A**
21. Simplify: (x³ – 8) ÷ (x – 2)  
     a) x² – 2x + 4  
     b) x² + 2x + 4  
     c) x² – 2x – 4  
     d) x² + 4x + 4  
     **Answer: B**
22. The Great Fire of London occurred in what year?  
     a) 1555  
     b) 1666  
     c) 1777  
     d) 1888  
     **Answer: B**
23. The SI unit of capacitance is:  
     a) Tesla  
     b) Henry  
     c) Farad  
     d) Ohm  
     **Answer: C**
24. What was the codename for the Allied invasion of Normandy in 1944?  
     a) Operation Barbarossa  
     b) Operation Overlord  
     c) Operation Torch  
     d) Operation Sea Lion  
     **Answer: B**
25. Solve: lim (x → ∞) (5x² + 3x) / (2x² – x)  
     a) 0  
     b) 2.5  
     c) 5  
     d) ∞  
     **Answer: B**
26. Which gas is responsible for the greenhouse effect the most?  
     a) Oxygen  
     b) Nitrogen  
     c) Carbon Dioxide  
     d) Hydrogen  
     **Answer: C**
27. Who was the first emperor of China?  
     a) Confucius  
     b) Qin Shi Huang  
     c) Sun Tzu  
     d) Han Wudi  
     **Answer: B**
28. The Treaty of Westphalia (1648) ended which conflict?  
     a) 30 Years’ War  
     b) 100 Years’ War  
     c) Napoleonic Wars  
     d) War of Roses  
     **Answer: A**
29. Which blood vessels carry blood away from the heart?  
     a) Veins  
     b) Capillaries  
     c) Arteries  
     d) Venules  
     **Answer: C**
30. A 200 g mass is attached to a spring (k = 100 N/m). Find the oscillation period.  
     a) 0.2 s  
     b) 0.3 s  
     c) 0.4 s  
     d) 0.5 s  
     **Answer: C**