

JMI Class 11 Science PYQ-Style Practice Paper 2026

Based on the official 100-question MCQ pattern: English 25, GK 10, Physics 15, Chemistry 15, Biology 15, Mathematics 20

Important: This is an original PYQ-style practice resource made for preparation. It is not an official Jamia Millia Islamia previous year question paper and does not copy any copyrighted competitor material.

Instructions

Duration: 2 hours. Mark answers on an OMR sheet. No calculator. Use this as an original practice paper, not as an official Jamia previous year paper.

Section	Questions	Marks
English	25	25
General Knowledge	10	10
Physics	15	15
Chemistry	15	15
Biology	15	15
Mathematics	20	20
Total	100	100

English - 25 Questions

Q1. Choose the correctly punctuated sentence.

(A) Where are you going? (B) Where are you going. (C) Where are you going! (D) Where are you going;

Q2. Choose the synonym of "brief".

(A) Long (B) Short (C) Late (D) Heavy

Q3. Fill in the blank: She has been studying _____ morning.

(A) since (B) for (C) from (D) by

Q4. Choose the antonym of "ancient".

(A) Old (B) Modern (C) Rare (D) Bright

Q5. Identify the part of speech of the word "quickly".

(A) Noun (B) Verb (C) Adverb (D) Adjective

Q6. Choose the correct passive voice: "They completed the work."

(A) The work completed them. (B) The work was completed by them. (C) They were completed by work. (D) The work is complete them.

Q7. Choose the correct article: He is _____ honest boy.

(A) a (B) an (C) the (D) no article

Q8. Choose the correct spelling.

(A) Recieve (B) Receive (C) Recievee (D) Receve

Q9. Fill in the blank: The train arrived _____ time.

(A) on (B) in (C) at (D) by

Q10. Choose the correct indirect speech: He said, "I am tired."

(A) He said that I am tired. (B) He said that he was tired. (C) He said he is tired. (D) He says that he was tired.

Q11. Choose the word closest in meaning to "observe".

(A) Ignore (B) Notice (C) Hide (D) Break

Q12. Choose the correct form: Neither of the answers _____ correct.

(A) are (B) were (C) is (D) have

Q13. Identify the sentence with correct subject-verb agreement.

(A) The list of items are ready. (B) The list of items is ready. (C) The items is ready. (D) The list were ready.

Q14. Choose the antonym of "expand".

(A) Increase (B) Extend (C) Contract (D) Open

Q15. Fill in the blank: I prefer tea _____ coffee.

(A) than (B) to (C) over than (D) from

Q16. Choose the correct preposition: He is good _____ mathematics.

(A) in (B) at (C) on (D) by

Q17. Choose the correct one-word substitution: A person who writes poems.

(A) Novelist (B) Poet (C) Editor (D) Artist

Q18. Choose the correct tense: I _____ this book last week.

(A) read (B) reads (C) will read (D) am reading

Q19. Choose the correct idiom meaning: "break the ice".

(A) Start conversation (B) Destroy evidence (C) Win a prize (D) Make ice pieces

Q20. Choose the correct word: The teacher gave us useful _____.

(A) advices (B) advice (C) adviced (D) advises

Q21. Choose the reported speech: She said, "I can solve it."

(A) She said she could solve it. (B) She said she can solved it. (C) She says she could solve it. (D) She said I could solve it.

Q22. Choose the correct conjunction: Study hard _____ you will succeed.

(A) but (B) or (C) and (D) because

Q23. Choose the correct sentence.

(A) He don't like milk. (B) He doesn't like milk. (C) He didn't likes milk. (D) He not likes milk.

Q24. Choose the correct synonym of "accurate".

(A) Correct (B) Wrong (C) Slow (D) Vague

Q25. Choose the correct option: The plural of "criterion" is _____.

(A) criterions (B) criteria (C) criterias (D) criterii

General Knowledge - 10 Questions

Q26. Who is known as the Father of the Indian Constitution?

(A) Mahatma Gandhi (B) B. R. Ambedkar (C) Jawaharlal Nehru (D) Sardar Patel

Q27. The headquarters of the United Nations is located in:

(A) Geneva (B) New York (C) Paris (D) London

Q28. Which planet is known as the Red Planet?

(A) Venus (B) Mars (C) Jupiter (D) Saturn

Q29. The currency of Japan is:

(A) Yuan (B) Yen (C) Won (D) Ringgit

Q30. Who wrote the national song "Vande Mataram"?

(A) Rabindranath Tagore (B) Bankim Chandra Chatterjee (C) Sarojini Naidu (D) Subhas Chandra Bose

Q31. Which gas is most abundant in the Earth's atmosphere?

(A) Oxygen (B) Carbon dioxide (C) Nitrogen (D) Hydrogen

Q32. The first battle of Panipat was fought in:

(A) 1526 (B) 1556 (C) 1761 (D) 1857

Q33. The longest river in India is generally considered:

(A) Yamuna (B) Ganga (C) Godavari (D) Narmada

Q34. Which organ purifies blood in the human body?

(A) Lungs (B) Kidney (C) Heart (D) Stomach

Q35. The Right to Education Act is related to:

- (A) Employment (B) Free and compulsory education (C) Health insurance (D) Voting

Physics - 15 Questions

Q36. The SI unit of force is:

- (A) Joule (B) Newton (C) Watt (D) Pascal

Q37. If speed is constant, acceleration is:

- (A) Zero (B) Maximum (C) Negative always (D) Infinite

Q38. Which device is used to measure electric current?

- (A) Voltmeter (B) Ammeter (C) Thermometer (D) Barometer

Q39. The image formed by a plane mirror is:

- (A) Real and inverted (B) Virtual and erect (C) Real and erect (D) Virtual and inverted

Q40. Work done is zero when the angle between force and displacement is:

- (A) 0 degrees (B) 45 degrees (C) 90 degrees (D) 180 degrees

Q41. A fuse wire is used to protect circuits because it has:

- (A) High melting point (B) Low melting point (C) No resistance (D) No current

Q42. The frequency of sound is measured in:

- (A) Decibel (B) Hertz (C) Joule (D) Meter

Q43. The value of acceleration due to gravity near Earth is approximately:

- (A) 9.8 m/s² (B) 98 m/s² (C) 0.98 m/s² (D) 1.8 m/s²

Q44. Which mirror is used as a rear-view mirror in vehicles?

- (A) Concave (B) Convex (C) Plane only (D) Cylindrical

Q45. Resistance of a wire depends on:

- (A) Length (B) Area of cross-section (C) Material (D) All of these

Q46. Energy possessed by a moving body is:

- (A) Potential energy (B) Kinetic energy (C) Heat energy (D) Chemical energy

Q47. The speed of light is maximum in:

- (A) Water (B) Glass (C) Vacuum (D) Diamond

Q48. Unit of power is:

- (A) Watt (B) Joule (C) Newton (D) Coulomb

Q49. In a convex lens, rays parallel to the principal axis meet at:

- (A) Focus (B) Pole (C) Centre of curvature (D) Infinity

Q50. Which is a renewable source of energy?

- (A) Coal (B) Petroleum (C) Solar energy (D) Natural gas

Chemistry - 15 Questions

Q51. The chemical formula of water is:

- (A) H₂O (B) CO₂ (C) NaCl (D) O₂

Q52. An acid turns blue litmus:

- (A) Blue (B) Red (C) Green (D) Yellow

Q53. The atomic number represents the number of:

- (A) Neutrons (B) Protons (C) Electrons + neutrons (D) Atoms

Q54. Which is a noble gas?

- (A) Oxygen (B) Nitrogen (C) Argon (D) Chlorine

Q55. The process of rusting requires:

- (A) Oxygen and water (B) Only nitrogen (C) Only sunlight (D) Only carbon dioxide

- Q56.** A base tastes:
(A) Sour (B) Bitter (C) Sweet (D) Salty only
- Q57.** pH value less than 7 indicates:
(A) Basic solution (B) Acidic solution (C) Neutral solution (D) Salt only
- Q58.** Which metal is liquid at room temperature?
(A) Iron (B) Mercury (C) Aluminium (D) Copper
- Q59.** The gas evolved when acid reacts with metal is:
(A) Oxygen (B) Hydrogen (C) Nitrogen (D) Chlorine
- Q60.** Which of the following is a mixture?
(A) Distilled water (B) Air (C) Pure gold (D) Oxygen
- Q61.** The periodic table was arranged by:
(A) Mendeleev (B) Newton (C) Darwin (D) Ohm
- Q62.** Carbon forms covalent compounds because it has valency:
(A) 1 (B) 2 (C) 3 (D) 4
- Q63.** Common salt is:
(A) NaCl (B) NaOH (C) HCl (D) CaCO₃
- Q64.** Which is used to test carbon dioxide?
(A) Lime water (B) Litmus paper (C) Iodine (D) Copper sulphate
- Q65.** A chemical reaction in which heat is released is called:
(A) Endothermic (B) Exothermic (C) Neutral (D) Physical

Biology - 15 Questions

- Q66.** The basic unit of life is:
(A) Tissue (B) Cell (C) Organ (D) Organ system
- Q67.** Photosynthesis mainly occurs in:
(A) Roots (B) Leaves (C) Flowers (D) Stem only
- Q68.** The green pigment in plants is:
(A) Haemoglobin (B) Chlorophyll (C) Melanin (D) Keratin
- Q69.** Which organ pumps blood?
(A) Liver (B) Heart (C) Kidney (D) Brain
- Q70.** The functional unit of kidney is:
(A) Neuron (B) Nephron (C) Alveolus (D) Villus
- Q71.** DNA is found mainly in:
(A) Nucleus (B) Cell wall (C) Vacuole (D) Cytoplasm only
- Q72.** The process of release of energy from food is:
(A) Respiration (B) Photosynthesis (C) Excretion (D) Transpiration
- Q73.** A communicable disease spreads through:
(A) Infection (B) Inheritance only (C) Photosynthesis (D) Digestion
- Q74.** Which part of blood helps in clotting?
(A) RBC (B) WBC (C) Platelets (D) Plasma only
- Q75.** The male reproductive cell is called:
(A) Ovum (B) Sperm (C) Zygote (D) Embryo
- Q76.** Deficiency of iodine may cause:
(A) Goitre (B) Rickets (C) Scurvy (D) Night blindness
- Q77.** Which organ is part of the respiratory system?
(A) Lungs (B) Stomach (C) Kidney (D) Liver

Q78. The process of removal of waste from body is:

(A) Nutrition (B) Excretion (C) Respiration (D) Reproduction

Q79. An ecosystem includes:

(A) Only plants (B) Only animals (C) Living and non-living components (D) Only water

Q80. Which vitamin is produced in skin in sunlight?

(A) Vitamin A (B) Vitamin B (C) Vitamin C (D) Vitamin D

Mathematics - 20 Questions

Q81. If $2x + 5 = 15$, then $x =$

(A) 5 (B) 10 (C) 15 (D) 20

Q82. The value of $(a+b)^2$ is:

(A) a^2+b^2 (B) $a^2+2ab+b^2$ (C) a^2-ab+b^2 (D) $2a+2b$

Q83. The roots of $x^2 - 5x + 6 = 0$ are:

(A) 1,6 (B) 2,3 (C) 3,4 (D) 0,6

Q84. The distance between (0,0) and (3,4) is:

(A) 5 (B) 7 (C) 1 (D) 12

Q85. Area of a circle is:

(A) $2\pi r$ (B) πr^2 (C) πd (D) r^2

Q86. If a triangle has sides 3,4,5, it is:

(A) Equilateral (B) Right angled (C) Obtuse always (D) Scalene only

Q87. The sum of angles of a triangle is:

(A) 90 degrees (B) 180 degrees (C) 270 degrees (D) 360 degrees

Q88. Mean of 2, 4, 6, 8 is:

(A) 4 (B) 5 (C) 6 (D) 8

Q89. Probability of getting a head in one coin toss is:

(A) 0 (B) $\frac{1}{2}$ (C) 1 (D) 2

Q90. The HCF of 12 and 18 is:

(A) 2 (B) 3 (C) 6 (D) 9

Q91. The LCM of 4 and 6 is:

(A) 10 (B) 12 (C) 18 (D) 24

Q92. If 20% of a number is 40, the number is:

(A) 100 (B) 150 (C) 200 (D) 250

Q93. The value of $3^2 + 4^2$ is:

(A) 7 (B) 12 (C) 25 (D) 49

Q94. A polynomial of degree 2 is called:

(A) Linear (B) Quadratic (C) Cubic (D) Constant

Q95. The slope of line $y = 2x + 1$ is:

(A) 1 (B) 2 (C) -2 (D) 0

Q96. Volume of a cube of side a is:

(A) a^2 (B) a^3 (C) $6a^2$ (D) $4a$

Q97. If $x:y = 2:3$ and $x = 10$, then $y =$

(A) 5 (B) 10 (C) 15 (D) 20

Q98. A rational number can be written in the form:

(A) $\frac{p}{q}$, q not equal 0 (B) only whole number (C) root p (D) π only

Q99. The median of 1, 3, 5, 7, 9 is:

(A) 3 (B) 5 (C) 7 (D) 9

Q100. The perimeter of a rectangle is:

(A) $l+b$ (B) $2(l+b)$ (C) lb (D) l/b