

AMU Class 11 Science PYQ-Style Practice Paper 2026

Original practice paper based on the official AMU Class XI Science pattern and PYQ-style preparation needs.

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Recommended use: Solve this paper with a timer, use an OMR sheet, then check answers from the answer key page. This paper is a practice resource, not an actual previous year AMU paper.

Practice Structure

Section	Questions in this PDF	Official weightage idea
Science	30	Highest weightage section
Mathematics	18	Major scoring section
GK + English + IIC	12	Short but scoring areas

Questions

1. The SI unit of force is

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

2. A body moving with uniform velocity has

(A) zero acceleration (B) variable acceleration (C) infinite acceleration (D) negative mass

3. The acceleration due to gravity on Earth is approximately

(A) 4.9 m/s² (B) 9.8 m/s² (C) 19.6 m/s² (D) 1.6 m/s²

4. Work done is zero when force and displacement are

(A) same direction (B) opposite direction (C) perpendicular (D) parallel

5. The loudness of sound depends mainly on

(A) frequency (B) amplitude (C) speed (D) wavelength only

6. The device used to measure electric current is

(A) voltmeter (B) ammeter (C) barometer (D) thermometer

7. A fuse wire should have

(A) high melting point (B) low melting point (C) very high resistance only (D) zero resistance

8. Convex lens generally forms a real image when the object is placed

(A) between focus and optical centre (B) at optical centre (C) beyond focus (D) at the lens surface

9. The chemical formula of baking soda is

(A) Na₂CO₃ (B) NaHCO₃ (C) CaCO₃ (D) NaCl

10. The pH value of a neutral solution at 25 °C is

(A) 0 (B) 7 (C) 10 (D) 14

11. Which gas is released when acids react with metals?

(A) Oxygen (B) Hydrogen (C) Nitrogen (D) Chlorine

12. The smallest particle of an element that takes part in a chemical reaction is

(A) cell (B) atom (C) tissue (D) organ

13. Carbon forms a large number of compounds mainly due to

(A) valency 1 (B) catenation (C) being a metal (D) high density

14. The process of rusting needs iron, oxygen and

(A) oil (B) water/moisture (C) sand (D) carbon dioxide only

15. Which of the following is a non-metal?

(A) Iron (B) Copper (C) Sulphur (D) Aluminium

16. A balanced chemical equation follows the law of

(A) conservation of mass (B) gravitation (C) reflection (D) inertia

17. The basic structural and functional unit of life is

(A) tissue (B) organ (C) cell (D) organ system

18. Photosynthesis mainly takes place in

(A) mitochondria (B) chloroplast (C) nucleus (D) ribosome

19. The functional unit of kidney is

(A) neuron (B) nephron (C) alveolus (D) villus

20. The male reproductive part of a flower is

(A) stamen (B) pistil (C) sepal (D) petal

21. Genes are located on

(A) chromosomes (B) cell wall (C) vacuoles (D) cytoplasm only

22. The process by which plants lose water vapour is

- (A) respiration (B) transpiration (C) digestion (D) excretion

23. Which blood cells help in clotting?

- (A) RBC (B) WBC (C) Platelets (D) Plasma proteins only

24. The green pigment in plants is

- (A) haemoglobin (B) chlorophyll (C) melanin (D) keratin

25. The gas taken in during photosynthesis is

- (A) oxygen (B) carbon dioxide (C) nitrogen (D) hydrogen

26. The unit of power is

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

27. Ohm law relates voltage, current and

- (A) mass (B) time (C) resistance (D) density

28. An image formed by a plane mirror is

- (A) real and inverted (B) virtual and erect (C) real and magnified (D) inverted always

29. Acids turn blue litmus

- (A) red (B) green (C) yellow (D) black

30. Which is an example of a chemical change?

- (A) melting ice (B) burning paper (C) cutting paper (D) boiling water

31. If $x + 5 = 12$, then x equals

- (A) 5 (B) 7 (C) 12 (D) 17

32. 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) $2a+2b$

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

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

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

- (A) 3 (B) 4 (C) 5 (D) 7

35. The sum of angles of a triangle is

- (A) 90 degree (B) 180 degree (C) 270 degree (D) 360 degree

36. The area of a circle is

- (A) $2\pi r$ (B) πr^2 (C) πd (D) $r^2/2$

37. The median of 2, 4, 6, 8, 10 is

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

38. Probability of getting a head in one toss of a fair coin is

- (A) 0 (B) $1/4$ (C) $1/2$ (D) 1

39. If two lines are parallel, corresponding angles are

- (A) equal (B) supplementary always (C) zero (D) unequal

40. The value of 2^3 is

- (A) 5 (B) 6 (C) 8 (D) 9

41. A polynomial of degree 2 is called

- (A) linear (B) quadratic (C) cubic (D) constant

42. If $a:b = 2:3$ and $b:c = 3:4$, then $a:c$ is

- (A) 1:2 (B) 2:4 (C) 2:4 or 1:2 (D) 3:4

43. The circumference of a circle is

- (A) πr^2 (B) $2\pi r$ (C) $2r$ (D) πr

44. The mean of 4, 6, 8 is

(A) 4 (B) 6 (C) 8 (D) 18

45. The graph of a linear equation in two variables is a

(A) circle (B) straight line (C) parabola (D) point only

46. The next term in AP 3, 7, 11, 15 is

(A) 18 (B) 19 (C) 20 (D) 21

47. The volume of a cube of side a is

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

48. The square root of 144 is

(A) 10 (B) 11 (C) 12 (D) 14

49. The capital of India is

(A) Mumbai (B) New Delhi (C) Kolkata (D) Chennai

50. The Constitution of India came into effect on

(A) 15 Aug 1947 (B) 26 Jan 1950 (C) 2 Oct 1950 (D) 26 Nov 1949

51. The national animal of India is

(A) Lion (B) Tiger (C) Elephant (D) Peacock

52. The United Nations was founded in

(A) 1919 (B) 1945 (C) 1950 (D) 1965

53. Choose the correctly spelled word.

(A) Enviroment (B) Environment (C) Envirnement (D) Environmant

54. Select the synonym of "rapid".

(A) slow (B) quick (C) weak (D) late

55. Fill in the blank: He is good ____ mathematics.

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

56. Change to passive: "They solved the problem."

(A) The problem was solved by them. (B) The problem solved them. (C) They were solved by problem. (D) Problem is solve by them.

57. Sir Syed Ahmad Khan founded the MAO College at

(A) Delhi (B) Aligarh (C) Lucknow (D) Hyderabad

58. The Aligarh Movement is closely associated with

(A) modern education (B) military reform only (C) trade unions only (D) sports training only

59. MAO College later developed into

(A) AMU (B) JNU (C) DU (D) BHU

60. Akbar was a ruler of the

(A) Mughal Empire (B) Delhi Sultanate (C) Maurya Empire (D) Gupta Empire

61. The Qutub Minar is located in

(A) Agra (B) Delhi (C) Aligarh (D) Jaipur

62. Sufism is mainly associated with

(A) mystical Islamic tradition (B) industrialisation (C) colonial law (D) astronomy only

63. The Bhakti movement stressed

(A) devotion (B) warfare only (C) tax collection (D) ship building

64. The Taj Mahal was built by

(A) Akbar (B) Shah Jahan (C) Babur (D) Aurangzeb

Answer Key

Q	Ans	Q	Ans	Q	Ans	Q	Ans
1	B	2	A	3	B	4	C
5	B	6	B	7	B	8	C
9	B	10	B	11	B	12	B
13	B	14	B	15	C	16	A
17	C	18	B	19	B	20	A
21	A	22	B	23	C	24	B
25	B	26	A	27	C	28	B
29	A	30	B	31	B	32	B
33	B	34	C	35	B	36	B
37	C	38	C	39	A	40	C
41	B	42	C	43	B	44	B
45	B	46	B	47	B	48	C
49	B	50	B	51	B	52	B
53	B	54	B	55	B	56	A
57	B	58	A	59	A	60	A
61	B	62	A	63	A	64	B