

TYBA COACHING CENTRE

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JAWAHAR NAVODAYA VIDYALAYA SELECTION TEST (JNVST) 2026–2027

CLASS XI LATERAL ENTRY ADMISSION TEST — DAILY FULL PRACTICE PAPER (SET 11)

Total Questions: 100 Multiple Choice Questions (MCQs) • Maximum Marks: 100 • Duration: 2.5 Hours (150 Minutes)

CANDIDATE INSTRUCTIONS:

1. This question paper contains **100 objective multiple-choice questions** strictly structured as per the official NVS Class 11 Lateral Entry examination pattern.
2. **Section I:** Mental Ability (20 Qs) | **Section II:** English (20 Qs) | **Section III:** Science (20 Qs) | **Section IV:** Social Science (20 Qs) | **Section V:** Mathematics (20 Qs).
3. Each question carries **1 mark**. There is NO negative marking for wrong attempts.

EXAMINATION GUIDELINES:

4. Darken the corresponding bubble on the OMR answer sheet using blue or black ballpoint pen only.
5. Qualifying marks are required in all five sections as per Navodaya Vidyalaya admission criteria.
6. Time allocation: Approximately 28–30 minutes per section, with 10 minutes reserved for OMR verification.

SECTION I: MENTAL ABILITY TEST (QUESTIONS 1 – 20)

Q1. Find the missing number in the sequence: 16, 33, 68, 139, 282, ?

- (A) 559 (B) 569
(C) 579 (D) 549

Q2. In a certain code, 'MUMBAI' is written as 'LTLAZH'. How is 'JAIPUR' written in that code?

- (A) IZHQtQ (B) IZHOUQ
(C) IZHOVQ (D) IYHQtQ

Q3. Pointing to a photograph, a man says, 'She is the only daughter-in-law of the father of my only sister.' How is the woman related to the man?

- (A) Sister (B) Mother
(C) Daughter (D) Wife

Q4. Select the odd one out from the given options:

- (A) Gold (B) Silver
(C) Bronze (D) Copper

Q5. A person walks 12 km North, turns left and walks 5 km. How far is he from his initial starting point?

- (A) 17 km (B) 13 km
(C) 15 km (D) 11 km

Q6. In a class of 60 students, Amit ranks 19th from the top. What is his position from the bottom?

- (A) 42nd (B) 41st
(C) 43rd (D) 40th

Q7. Complete the letter series: B, F, J, N, R, ?

- (A) U (B) W
(C) T (D) V

Q8. If '+' means '÷', '-' means '×', '×' means '+', and '÷' means '-', evaluate: $60 + 5 - 3 \times 12 \div 8 = ?$

(A) 36

(B) 44

(C) 40

(D) 38

Q9. Which Venn diagram best represents: Animals, Aquatic Animals, Amphibians?

(A) Concentric circles

(B) Two overlapping circles (Aquatic and Amphibians) inside one large circle (Animals)

(C) Three separate disjoint circles

(D) Three mutually intersecting circles of equal size

Q10. Barometer : Atmospheric Pressure :: Hydrometer : ?

(A) Relative Density of Liquids

(B) Humidity

(C) Electric Current

(D) Wind Speed

Q11. Find the missing term in the sequence: 3, 10, 29, 66, 127, ?

(A) 216

(B) 220

(C) 214

(D) 218

Q12. What angle do the hands of a clock form at 5:20?

(A) 35°

(B) 45°

(C) 40°

(D) 50°

Q13. Five girls P, Q, R, S, and T sit in a row. Q is to the immediate right of S. P is between T and S. R is to the immediate left of T. Who sits at the extreme left end?

(A) T

(B) R

(C) P

(D) S

Q14. Identify the related number: $19 : 361 :: 23 : ?$

(A) 529

(B) 509

(C) 539

(D) 519

Q15. Find the odd pair of numbers: (13, 169), (17, 289), (19, 361), (21, 442)

(A) (13, 169)

(B) (17, 289)

(C) (19, 361)

(D) (21, 442)

Q16. If 2nd October 2024 was Wednesday, what day of the week was 14th November 2024?

(A) Wednesday

(B) Friday

(C) Thursday

(D) Tuesday

Q17. Statements: All diamonds are gems. Some gems are precious stones. Conclusions: I. Some diamonds are precious stones. II. Some precious stones are gems.

(A) Only I follows

(B) Only II follows

(C) Both follow

(D) Neither follows

Q18. Find the missing number in the matrix: [[9, 3, 90], [8, 4, 80], [7, 6, ?]]

(A) 85

(B) 82

(C) 88

(D) 80

Q19. How many vertices does a standard square pyramid possess?

(A) 4

(B) 6

(C) 8

(D) 5

Q20. Which word cannot be formed from the letters of 'COMMUNICATION'?

- | | |
|------------|------------|
| (A) ACTION | (B) COMMON |
| (C) MINUTE | (D) NATION |

SECTION II: ENGLISH LANGUAGE TEST (QUESTIONS 21 – 40)

Q21. Choose the word that is most nearly SYNONYMOUS to 'TRANSIENT':

- | | |
|---------------|---------------|
| (A) Permanent | (B) Fleeting |
| (C) Enduring | (D) Perpetual |

Q22. Choose the word that is most nearly OPPOSITE in meaning to 'ABSOLUTE':

- | | |
|--------------|-------------------|
| (A) Limited | (B) Total |
| (C) Complete | (D) Unconditional |

Q23. Identify the word with the correct spelling:

- | | |
|------------------|------------------|
| (A) Surveillance | (B) Surveilence |
| (C) Survalience | (D) Surveillence |

Q24. Fill in the blank with the appropriate preposition: She has a deep aversion ____ cold weather.

- | | |
|---------|-------------|
| (A) for | (B) with |
| (C) to | (D) against |

Q25. Convert to Passive Voice: 'The teacher explained the complex concept.'

- | | |
|--|---|
| (A) The complex concept is explained by the teacher. | (B) The complex concept was explained by the teacher. |
| (C) The complex concept had been explained by the teacher. | (D) The complex concept was being explained by the teacher. |

Q26. Convert to Indirect Speech: The officer said to the clerk, 'Submit the report immediately.'

- | | |
|---|---|
| (A) The officer ordered the clerk to submit the report immediately. | (B) The officer asked the clerk that submit the report. |
| (C) The officer told the clerk submit the report immediately. | (D) The officer requested the clerk to submit the report. |

Q27. Identify the error: 'The cattle (A) / is grazing (B) / in the green pasture (C) / No error (D)'

- | | |
|-------|-------|
| (A) A | (B) C |
| (C) D | (D) B |

Q28. Give one-word substitution for: 'A person who can use both hands equally well'

- | | |
|------------------|----------------|
| (A) Ambivalent | (B) Ambiguous |
| (C) Ambidextrous | (D) Amphibious |

Q29. Choose the meaning of the idiom: 'To break the ice'

- | | |
|--------------------------|--|
| (A) To freeze solid | (B) To initiate a conversation in a tense or awkward setting |
| (C) To cause an argument | (D) To destroy confidence |

Q30. Fill in the blank: He is capable ____ solving the hardest riddles.

- | | |
|---------|----------|
| (A) of | (B) to |
| (C) for | (D) with |

Q31. Identify the antonym of 'COMPLEX':

- | | |
|-----------------|---------------|
| (A) Complicated | (B) Intricate |
| (C) Elaborate | (D) Simple |

Q32. Choose the grammatically correct sentence:

- | | |
|--|--|
| (A) Neither the teacher nor the students was satisfied with the result. | (B) Neither the teacher or the students was satisfied with the result. |
| (C) Neither the teacher nor the students were satisfied with the result. | (D) Neither of the students was satisfied with the result. |

Q33. Give one word for: 'The study of coins, bank notes, and medals'

- | | |
|---------------|-----------------|
| (A) Philately | (B) Numismatics |
| (C) Epigraphy | (D) Archaeology |

Q34. Choose the synonym of 'INDOLENT':

- | | |
|-----------------|---------------|
| (A) Lazy | (B) Energetic |
| (C) Industrious | (D) Agile |

Q35. Fill in the blank: No sooner did the bell ring ____ the students rushed out.

- | | |
|------------|----------|
| (A) when | (B) then |
| (C) before | (D) than |

Q36. Choose the meaning of the idiom: 'A blessing in disguise'

- | | |
|--|--------------------------|
| (A) A visible miracle | (B) A religious blessing |
| (C) A misfortune that eventually results in something good | (D) An unexpected curse |

Q37. Identify the part of speech of the underlined word: 'This is an *exclusive* offer.'

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

Q38. Select the appropriate question tag: She has written all the letters, ____?

- | | |
|----------------|----------------|
| (A) hasn't she | (B) has she |
| (C) did she | (D) didn't she |

Q39. Fill in the blank: Honest men always speak ____ truth.

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

Q40. Identify the correctly spelled word:

- | | |
|-----------------|----------------|
| (A) Connoisseur | (B) Connoisuer |
| (C) Connoisseur | (D) Connoiseur |

SECTION III: GENERAL SCIENCE TEST (QUESTIONS 41 – 60)

Q41. What gas is liberated when dilute sulfuric acid reacts with sodium sulfite?

- (A) Hydrogen gas
- (B) Sulfur dioxide gas
- (C) Oxygen gas
- (D) Carbon dioxide

Q42. What is the common chemical formula of Gypsum?

- (A) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$
- (B) $\text{CaSO}_4 \cdot 1/2\text{H}_2\text{O}$
- (C) $\text{CaSO}_4 \cdot \text{H}_2\text{O}$
- (D) $2\text{CaSO}_4 \cdot \text{H}_2\text{O}$

Q43. Which metal is extracted commercially from its ore bauxite via electrolytic reduction?

- (A) Iron (Fe)
- (B) Copper (Cu)
- (C) Zinc (Zn)
- (D) Aluminum (Al)

Q44. The functional group present in alcohols is:

- (A) $-\text{CHO}$
- (B) $-\text{COOH}$
- (C) $-\text{OH}$
- (D) $>\text{C}=\text{O}$

Q45. In which part of the human alimentary canal does complete digestion of food occur?

- (A) Stomach
- (B) Small intestine
- (C) Large intestine
- (D) Mouth

Q46. Which hormone in humans is responsible for lowering blood sugar levels?

- (A) Insulin
- (B) Glucagon
- (C) Adrenaline
- (D) Thyroxine

Q47. Vegetative propagation in sweet potato takes place through its:

- (A) Leaves
- (B) Stems
- (C) Seeds
- (D) Roots

Q48. The genetic constitution of an organism is known as its:

- (A) Phenotype
- (B) Karyotype
- (C) Genotype
- (D) Allele

Q49. A convex lens has a focal length of 50 cm. What is its optical power in dioptres?

- (A) -2.0 D
- (B) $+2.0 \text{ D}$
- (C) $+0.5 \text{ D}$
- (D) -0.5 D

Q50. The phenomenon responsible for the twinkling of stars is:

- (A) Atmospheric refraction
- (B) Scattering of light
- (C) Dispersion
- (D) Total internal reflection

Q51. What is the SI unit of electric potential difference?

- (A) Ampere
- (B) Ohm
- (C) Watt
- (D) Volt

Q52. The direction of induced current in a generator coil is given by:

- (A) Fleming's Left-Hand Rule
- (B) Right-Hand Thumb Rule
- (C) Fleming's Right-Hand Rule
- (D) Ampere's Swimming Rule

Q53. Which gas protects Earth's surface from harmful ultraviolet radiations?

- | | |
|--------------------|--------------|
| (A) Oxygen | (B) Ozone |
| (C) Carbon dioxide | (D) Nitrogen |

Q54. A solution turns red litmus paper blue. Its pH is most likely:

- | | |
|-------|-------|
| (A) 9 | (B) 4 |
| (C) 7 | (D) 2 |

Q55. An alloy of lead and tin used extensively in electrical soldering is called:

- | | |
|-----------|------------|
| (A) Brass | (B) Bronze |
| (C) Steel | (D) Solder |

Q56. The reaction between an organic acid and an alcohol in the presence of an acid catalyst is called:

- | | |
|--------------------|------------------|
| (A) Saponification | (B) Hydration |
| (C) Esterification | (D) Fermentation |

Q57. The tiny air sacs in human lungs where gaseous exchange takes place are:

- | | |
|-----------------|-------------|
| (A) Nephrons | (B) Alveoli |
| (C) Bronchioles | (D) Villi |

Q58. Which plant hormone is commonly known as the stress hormone causing wilting of leaves?

- | | |
|--------------------|---------------|
| (A) Absciscic acid | (B) Auxin |
| (C) Gibberellin | (D) Cytokinin |

Q59. A virtual and erect image smaller than the object is always formed by a:

- | | |
|-----------------------|-------------------|
| (A) Concave mirror | (B) Plane mirror |
| (C) Concave lens only | (D) Convex mirror |

Q60. In any terrestrial food chain, what percentage of solar energy falling on green leaves is converted into food energy?

- | | |
|---------|---------|
| (A) 10% | (B) 5% |
| (C) 1% | (D) 15% |

SECTION IV: SOCIAL SCIENCE TEST (QUESTIONS 61 – 80)

Q61. Who was celebrated as the 'Sword of Italian Unification'?

- | | |
|------------------|------------------------|
| (A) Count Cavour | (B) Giuseppe Garibaldi |
| (C) Mazzini | (D) Victor Emmanuel II |

Q62. The Non-Cooperation Movement was launched under the leadership of Gandhiji in:

- | | |
|----------|----------|
| (A) 1920 | (B) 1919 |
| (C) 1922 | (D) 1930 |

Q63. The Great Depression of the global economy began in which year?

- | | |
|----------|----------|
| (A) 1919 | (B) 1939 |
| (C) 1945 | (D) 1929 |

Q64. Which soil is most suitable for cultivating cotton crops in western India?

- | | |
|------------------------|-------------------|
| (A) Alluvial soil | (B) Laterite soil |
| (C) Black soil (Regur) | (D) Red soil |

Q65. Bhakra Nangal multipurpose dam project is constructed across which northern Indian river?

- | | |
|----------------|------------------|
| (A) Ravi River | (B) Satluj River |
| (C) Beas River | (D) Yamuna River |

Q66. Which crop requires warm and humid climate with heavy rainfall, extensively cultivated in Assam and West Bengal?

- | | |
|-----------|-------------|
| (A) Tea | (B) Wheat |
| (C) Bajra | (D) Mustard |

Q67. Which state of India is the leading producer of iron ore in the country?

- | | |
|---------------|------------------|
| (A) Jharkhand | (B) Chhattisgarh |
| (C) Karnataka | (D) Odisha |

Q68. The distribution of power between Executive, Legislature, and Judiciary represents:

- | | |
|------------------------------|--------------------------|
| (A) Vertical power sharing | (B) Federal distribution |
| (C) Horizontal power sharing | (D) Unitary control |

Q69. In which country was the system of 'Community Government' developed to manage linguistic diversity?

- | | |
|-----------------|-------------|
| (A) Sri Lanka | (B) Belgium |
| (C) Switzerland | (D) Canada |

Q70. The political party system in India is an example of a:

- | | |
|------------------------|----------------------|
| (A) Multi-party system | (B) Two-party system |
| (C) One-party system | (D) Non-party system |

Q71. The World Bank classifies countries in its World Development Report primarily on the basis of:

- | | |
|-----------------------------|-----------------------|
| (A) Gross national debt | (B) Literacy rate |
| (C) Human development index | (D) Per capita income |

Q72. The economic sector that transforms raw agricultural goods into manufactured items is the:

- | | |
|----------------------|---------------------|
| (A) Primary sector | (B) Tertiary sector |
| (C) Secondary sector | (D) Service sector |

Q73. The central bank of India that supervises all formal lending institutions is:

- | | |
|-------------------------|---------------------------------|
| (A) State Bank of India | (B) Reserve Bank of India (RBI) |
| (C) Ministry of Finance | (D) SEBI |

Q74. The rapid integration of world economies through foreign direct investment and trade is:

- | | |
|---------------------|-------------------|
| (A) Globalization | (B) Privatization |
| (C) Nationalization | (D) Urbanization |

Q75. Who gave the famous national slogan 'Jai Hind'?

- | | |
|--------------------|-------------------------|
| (A) Mahatma Gandhi | (B) Jawaharlal Nehru |
| (C) Bhagat Singh | (D) Subhas Chandra Bose |

Q76. Which type of non-conventional energy is harnessed at Muppandal in Tamil Nadu?

- | | |
|------------------|-----------------------|
| (A) Solar energy | (B) Geothermal energy |
| (C) Wind energy | (D) Tidal energy |

Q77. Under the Consumer Protection Act 2019, State Consumer Commissions entertain claims between:

- | | |
|--------------------|---------------------------|
| (A) Up to ₹50 Lakh | (B) ₹50 Lakh and ₹2 Crore |
| (C) Above ₹2 Crore | (D) Up to ₹20 Lakh |

Q78. A democratic government is considered accountable because it:

- | | |
|--|-----------------------------------|
| (A) Is answerable to the citizens through periodic elections | (B) Acts without public scrutiny |
| (C) Has complete judicial immunity | (D) Relies on hereditary monarchy |

Q79. The Infant Mortality Rate (IMR) indicates the number of child deaths before completing:

- | | |
|---|---|
| (A) Five years of age per 1,000 live births | (B) Two years of age per 100 live births |
| (C) Six months of age per 1,000 live births | (D) One year of age per 1,000 live births |

Q80. Which of the following is an informal source of credit in rural India?

- | | |
|------------------------|-------------------------------|
| (A) Commercial banks | (B) Regional rural banks |
| (C) Local moneylenders | (D) Agricultural cooperatives |

SECTION V: MATHEMATICS TEST (QUESTIONS 81 – 100)

Q81. The Fundamental Theorem of Arithmetic states that every composite number can be uniquely factored into:

- | | |
|------------------|---------------|
| (A) Odd numbers | (B) Primes |
| (C) Even numbers | (D) Fractions |

Q82. If the sum of the zeroes of the quadratic polynomial $kx^2 + 2x + 3k$ is equal to their product, find k:

- | | |
|------------|-----------|
| (A) $-2/3$ | (B) $2/3$ |
| (C) $-3/2$ | (D) $3/2$ |

Q83. The graphical representation of $2x + 3y = 9$ and $4x + 6y = 18$ consists of two lines that are:

- | | |
|-------------------|------------------|
| (A) Parallel | (B) Intersecting |
| (C) Perpendicular | (D) Coincident |

Q84. Find the discriminant of the quadratic equation $2x^2 - 4x + 3 = 0$:

- | | |
|--------|---------|
| (A) 8 | (B) -16 |
| (C) -8 | (D) 16 |

Q85. Find the 10th term of the AP: 2, 7, 12, 17, ...

- | | |
|--------|--------|
| (A) 42 | (B) 47 |
| (C) 52 | (D) 37 |

Q86. The distance of the point P(-6, 8) from the origin (0, 0) is:

- | | |
|--------------|--------------|
| (A) 10 units | (B) 14 units |
| (C) 6 units | (D) 8 units |

Q87. If $\tan \theta = 1$, find the value of $(\sin \theta + \cos \theta)$:

- | | |
|------------------|----------------|
| (A) $1/\sqrt{2}$ | (B) 2 |
| (C) 1 | (D) $\sqrt{2}$ |

Q88. A vertical tree 12 m high casts a shadow $4\sqrt{3}$ m long on the ground. The sun's angle of elevation is:

- | | |
|----------------|----------------|
| (A) 30° | (B) 45° |
| (C) 60° | (D) 90° |

Q89. The lengths of tangents drawn from an external point to a circle are:

- | | |
|-------------------|--------------|
| (A) Unequal | (B) Equal |
| (C) Perpendicular | (D) Parallel |

Q90. If the perimeter of a semi-circular protractor is 36 cm, find its radius (take $\pi = 22/7$):

- | | |
|------------|-----------|
| (A) 7 cm | (B) 14 cm |
| (C) 3.5 cm | (D) 21 cm |

Q91. A solid sphere of radius r is melted and recast into a hollow cylinder. The conservation law applied is conservation of:

- | | |
|----------------------|-----------------------|
| (A) Surface area | (B) Mass distribution |
| (C) Curved perimeter | (D) Volume |

Q92. For a given frequency distribution, if Mode = 12 and Mean = 15, then Median is:

- | | |
|--------|--------|
| (A) 13 | (B) 16 |
| (C) 14 | (D) 17 |

Q93. A card is drawn from a well-shuffled pack of 52 cards. What is the probability of getting a red face card?

- | | |
|------------|------------|
| (A) $3/13$ | (B) $3/26$ |
| (C) $1/13$ | (D) $1/26$ |

Q94. A box contains 3 blue, 2 white, and 4 red marbles. What is the probability that a marble drawn at random is blue?

- | | |
|-----------|-----------|
| (A) $1/3$ | (B) $2/9$ |
| (C) $4/9$ | (D) $5/9$ |

Q95. Find the sum of the first 15 multiples of 8:

- | | |
|----------|----------|
| (A) 840 | (B) 1020 |
| (C) 1200 | (D) 960 |

Q96. The midpoint of the line segment joining (3, -4) and (-1, 2) has coordinates:

- | | |
|-------------|-------------|
| (A) (2, -2) | (B) (1, 1) |
| (C) (1, -1) | (D) (-1, 1) |

Q97. Evaluate: $\sin^2 30^\circ + \cos^2 30^\circ = ?$

- | | |
|-----------|------------------|
| (A) 0 | (B) 1 |
| (C) $1/2$ | (D) $\sqrt{3}/2$ |

Q98. A cylindrical vessel of radius 7 cm and height 20 cm has curved surface area equal to (take $\pi = 22/7$):

- | | |
|------------------------|------------------------|
| (A) 880 cm^2 | (B) 748 cm^2 |
| (C) 920 cm^2 | (D) 660 cm^2 |

Q99. The class mark of the class interval 20 - 30 is:

(A) 20

(B) 30

(C) 50

(D) 25

Q100. A fair die is thrown once. What is the probability of getting an odd number?

(A) $\frac{1}{3}$

(B) $\frac{1}{6}$

(C) $\frac{1}{2}$

(D) $\frac{2}{3}$

OFFICIAL ANSWER KEY — DAILY PRACTICE SET 11 (100 MCQS)

Authentic Key Prepared by Faculty Experts at **TYBA COACHING CENTRE** • Contact: **6367029449**

Q#	Ans	Q#	Ans	Q#	Ans	Q#	Ans	Q#	Ans	Q#	Ans	Q#	Ans	Q#	Ans	Q#	Ans	Q#	Ans
1	B	11	D	21	B	31	D	41	B	51	D	61	B	71	D	81	B	91	D
2	A	12	C	22	A	32	C	42	A	52	C	62	A	72	C	82	A	92	C
3	D	13	B	23	D	33	B	43	D	53	B	63	D	73	B	83	D	93	B
4	C	14	A	24	C	34	A	44	C	54	A	64	C	74	A	84	C	94	A
5	B	15	D	25	B	35	D	45	B	55	D	65	B	75	D	85	B	95	D
6	A	16	C	26	A	36	C	46	A	56	C	66	A	76	C	86	A	96	C
7	D	17	B	27	D	37	B	47	D	57	B	67	D	77	B	87	D	97	B
8	C	18	A	28	C	38	A	48	C	58	A	68	C	78	A	88	C	98	A
9	B	19	D	29	B	39	D	49	B	59	D	69	B	79	D	89	B	99	D
10	A	20	C	30	A	40	C	50	A	60	C	70	A	80	C	90	A	100	C

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