



THE RADIANT[®] ACADEMY

STAR (STUDENT TALENT ACADEMIC REWARD)

CLASS -VI

SAMPLE PAPER

Time: 90 Min.

Max. Marks: 90

GENERAL INSTRUCTIONS

TEST PATTERN					
Time	Total No. of Questions	Subject/Question Segregation	Type	Total Marks : 90	
				Correct	Negative
90 Minutes	1-90	Physics (1-10) Chemistry (11-20) Biology (21-30) Mathematics (31-55) Social Science (56-65) Mental Ability (66-80) English (81-90)	Objective Question	1 Mark	0.25 Mark

1. A student has to write his/her answers in the OMR sheet by darkening the appropriate bubble with the help Of Ball pen only as the correct answer(s) of the question attempted.
2. Blank papers, clip boards, log tables, slide rule, calculators, mobile or any other electronic gadgets in any form is not allowed.
3. Write your **Name & Roll No.** in the space provided in the bottom of this booklet.
4. Before answering the paper, fill up the required details in the blank space provided in the OMR sheet.
5. **In case of any dispute, the answer sheet available with the institute shall be final.**
6. **In case of tie the younger in age will get top rank**

NAME OF THE CANDIDATE : ROLL NO. :
I have read all the instructions and shall abide by them
I have verified the identity, name and roll number of the candidate.

.....
Signature of the Candidate

.....
Signature of the Invigilator

THE RADIANT ACADEMY

Corporate Office: 7-8, Samta Nagar, Hiran Magri, Sector - 3, Udaipur (Rajasthan) - 313001

Mob.: +91-9001053989, 9461172001 | Email: info@theradiantacademy.com | Website: www.theradiantacademy.com

1. PHYSICS

Straight Objective

This section contains 10 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

- 15 cm are equal to
(A) 150 mm (B) 15 mm (C) 1.5 mm (D) 0.15 mm
- Which is a correct relationship?
(A) 1 m = 100 cm (B) 1 cm = 100 mm (C) 1 km = 100 m (D) all of these
- What kind of motion is executed by a pendulum of a wall clock?
(A) Oscillatory motion (B) Linear motion (C) Circular motion (D) None of these
- Sea saw is the example of
(A) first order lever (B) second order lever (C) third order lever (D) none of these
- Mechanical advantage for second order lever is
(A) always equal to 1 (B) less than 1 (C) greater than 1 (D) equal to 0
- Bulb glows only in
(A) closed circuit (B) open circuit (C) in both circuits (D) open circuit if bulb is not fused
- Which letters of English alphabet will not show lateral inversion?
(A) I, O, U (B) N, Z, X (C) I, X, E (D) A, E, I
- Out of these, which one is not a man-made luminous body?
(A) Electric bulb (B) Burning candle (C) Firefly (D) Oil lamp
- Light year is the unit of
(A) Time (B) Distance (C) Speed (D) None of these
- Distance travelled by an object during motion
(A) always positive (B) always increases (C) can be negative (D) both A & B

2. CHEMISTRY

Straight Objective Type

This section contains 10 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

- Homogeneous mixture -
(A) Have uniform composition
(B) Do not have uniform composition
(C) May or may not have uniform composition
(D) None of these
- A glass containing muddy water is left undisturbed. After sometime the particles of mud settle at the bottom. This is called :
(A) Sublimation (B) filtration. (C) sedimentation. (D) evaporation
- Decantation is limited to
(A) Solid-Solid Heterogeneous mixture (B) Solid-liquid heterogeneous mixture
(C) Solid-liquid homogenous mixture (D) liquid-liquid homogenous mixture
- Sand and sugar(s) solutions are :
(A) heterogeneous mixtures (B) compounds
(C) homogeneous mixtures (D) elements
- The constituents of a mixture are present in :
(A) a fixed ratio (B) a variable ratio (C) the ratio of 2 : 1 (D) none of these

16. Which of the following statements are true for pure substances?
 (i) Pure substances contain only same kind of particles
 (ii) Pure substances may be compounds or mixtures
 (iii) Pure substances have the same composition throughout
 (iv) Pure substances can be exemplified by all elements other than nickel
 (A) (i) and (ii) (B) (i) and (iii) (C) (iii) and (iv) (D) (ii) and (iii)
17. Bran present in wheat flour is separated by
 (A) decantation. (B) sieving (C) handpicking (D) evaporation
18. Winnowing is used only for:
 (A) solid-liquid heterogeneous mixture (B) solid-solid heterogeneous mixture
 (C) pure substance (D) solid-solid homogeneous mixture
19. Substances that sublime is/are
 (i) naphthalene (ii) ice (iii) iodine (iv) scrap iron
 (A) (i), (ii) and (iii) (B) (i) and (iii) (C) (i) (D) (i) and (iv)
20. Ammonium chloride can be separated from common salt by :
 (A) decantation. (B) evaporation (C) sublimation (D) separating funnel

3. BIOLOGY

Straight Objective Type

This section contains 10 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

21. Plants with weak stems that take support on neighbouring plant –
 (A) Creepers (B) Climbers (C) Shrubs (D) both (A) and (B)
22. Plants which have soft, green and perishable stems are called –
 (A) Shrubs (B) Trees (C) Herbs (D) Climbers
23. Choose the correct option –
 (A) Roots have nodes and internodes (B) Mango plant is an example of shrub
 (C) Banyan tree has a stilt roots (D) Taproot is found in dicot plants
24. Plant of bottle gourd is an example of –
 (A) Climbers (B) Creepers (C) Shrub (D) Herb
25. The conduction of water is done by –
 (A) leaves (B) buds (C) Stem (D) roots
26. Money plant is a type of –
 (A) tree (B) Climbers (C) Creepers (D) None
27. Which part of the plant anchor the plant in soil.
 (A) Stem (B) roots (C) Thalamus (D) Pedicel
28. Choose the correct statements –
 (i) Fibrous roots are found in wheat (ii) Root cap is a protective structure
 (iii) Stem has nodes and internodes (iv) Woody stem are non-green
 (A) only i,iii,iv (B) only ii & iv (C) only iii & iv (D) All are correct
29. Pneumatophores are –
 (A) Stems (B) Leaves (C) Roots (D) Flower
30. Which type of roots provide additional support to the plants –
 (A) Parasitic roots (B) Stilt roots (C) Prop roots (D) both (B) & (C)

4. MATHEMATICS

Straight Objective Type

This section contains 25 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

31. The successor of the greatest 4- digit number is
(A) 9999 (B) 9998 (C) 9909 (D) 10000
32. How much is 50 less than by 1 million ?
(A) 9950 (B) 99950 (C) 999950 (D) 9999950
33. In the product of 37 and 23, what is the place value of the digit which is prime ?
(A) 500 (B) 700 (C) 800 (D) 50
34. The largest 4 - digit number , using any one digit twice , from digits 5,9,2 and 6 is
(A) 9652 (B) 9562 (C) 9659 (D) 9965
35. How many numbers of 3-digit are formed by using the digits 0, 1, and 2 ?
(A) 5 (B) 6 (C) 10 (D) 4
36. Find the difference in the place value of the digit 5 in the number 57568.
(A) 49500 (B) 45900 (C) 49000 (D) 49050
37. $3 \times 10000 + 7 \times 1000 + 9 \times 100 + 0 \times 10 + 4$ is the same as
(A) 3794 (B) 37940 (C) 37904 (D) 379409
38. The greatest number which on rounding off to nearest thousands gives 5000, is
(A) 5001 (B) 5559 (C) 5999 (D) 5499
39. Which one of the following is the best estimation of 5663×2234 ?
(A) 5000×2000 (B) 5700×2200 (C) 5660×2230 (D) 5660×2300
40. Which of the following numbers when rounded off to the nearest ten thousand gives 500000 ?
(A) 492811 (B) 495213 (C) 589200 (D) 513076
41. If 1 is added to the greatest 7 - digit number, It will be equal to
(A) 100 thousand (B) 1 lakh (C) 10 lakh (D) 1 crore
42. Total number of numbers which when rounded off to nearest ten give us 200 is
(A) 9 (B) 10 (C) 8 (D) 7
43. Express seventy-four thousand five hundred seventy in figures:
(A) 74560 (B) 74580 (C) 74570 (D) 74571
44. Keeping the place of 6 in the number 6350947 same , the smallest number obtained by rearranging other digits is
(A) 6975430 (B) 6043579 (C) 6034579 (D) 6034759
45. The smallest number which when rounded off to the nearest hundred as 600 is
(A) 550 (B) 595 (C) 604 (D) 599
46. Which one of the following is the smallest numeral ?
(A) 15673 (B) 15700 (C) 15198 (D) 15623
47. A 7 digit number starts with place in the Indian system.
(A) lakhs (B) ten thousands (C) ten lakhs (D) crores
48. Re-arrange the digits of 1,02,35,007 to get the largest and the smallest number, the difference between the place value of 2 in these two numbers is
(A) 0 (B) 8,000 (C) 20,000 (D) 18,000

49. Which digit is at thousands place in 57, 168 :
 (A) 6 (B) 7 (C) 1 (D) 8
50. 10000000000567 written according to international system in words as
 (A) One hundred million five hundred sixty seven
 (B) One hundred trillion five hundred sixty seven
 (C) One hundred five thousand sixty seven
 (D) None of these
51. The sum of two integers is 45. If one of them is -23 , the other is :
 (A) 68 (B) 22 (C) -68 (D) -22
52. Sum of the number of primes between 16 to 80 and 90 to 100 is
 (A) 20 (B) 18 (C) 17 (D) 16
53. Three city tour buses leave the bus stop at 9.00 AM. Bus A returns every 30 minutes, but B returns every 20 minutes and Bus C returns every 45 minutes. What is the next time, the buses will all return at the same time to the bus stop.
 (A) 1.:00 PM (B) 12 noon (C) 7 PM (D) 11 : 30 PM
54. What should be subtracted from -6 to get -4 ?
 (A) -2 (B) 0 (C) 2 (D) -10
55. If $\frac{5}{8} = \frac{20}{p}$ then value of p is
 (A) 23 (B) 2 (C) 32 (D) 16

5. Social Science

Straight Objective Type

This section contains 10 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

56. The full form of CE is
 (A) Common Era (B) Christian Era (C) Command Era (D) Christ era
57. The name 'Bharata' was used for a group of people who lived in the north-western region and are mentioned in
 (A) The Rigveda (B) The Ramayan (C) The Mahabharata (D) The Samveda
58. The word 'India' comes from the word 'Indus' and the meaning of Indus in Sanskrit is
 (A) Ganga (B) Yamuna (C) Saraswati (D) Sindhu
59. The Rigveda are written in
 (A) Sanskrit. (B) Prakrit. (C) Awadhi. (D) Hindi.
60. We can know about ancient-history through _____.
 (A) archeology. (B) computer records (C) newspaper (D) none
61. Archaeological sources are _____ evidences.
 (A) direct (B) indirect (C) recent (D) None
62. The force that binds the solar system together is the pulling force of the
 (A) Earth (B) Sun (C) Pole star (D) Jupiter
63. Another name for the Milky Way galaxy is
 (A) Universe (B) Saptarishi (C) Ursa Major (D) Akash Ganga
64. The following is a constellation
 (A) Pole star (B) Saptarishi (C) Milky Way (D) Asteroids
65. The planets move around the sun in their own
 (A) Orbit (B) Direction (C) Style (D) Axis

6. MENTAL ABILITY

Straight Objective Type

This section contains 15 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

66. Arrange the given words in the order they occur in dictionary
1. SIGN 2. SOLID 3. SCENE 4. SIMPLE
(A) 3, 1, 4, 2 (B) 2, 1, 3, 4 (C) 4, 3, 2, 1 (D) None of these
67. If the following words are arranged as found in the dictionary, then what will be the fourth letter from the left in the last word ?
INTIMATION, INFORMATION, INTEREST, INTERROGATION, INSTIGATION
(A) R (B) O (C) T (D) I

Directions (68 to 69) : Find the missing numbers :

68. 1, 8, 27, 64, _
(A) 81 (B) 125 (C) 100 (D) 128
69. 9, 11, 15, 23, ?
(A) 25 (B) 21 (C) 39 (D) 31
70. If with the help of 2nd, 5th, 6th, 7th, 10th, 11th and 12th letter of the word 'BRAINWASHING' a word can be formed, then write first letter of word, other wise, write X.
(A) X (B) R (C) W (D) G

Directions (71) : Find the wrong numbers :

71. 7, 8, 18, 57, 228, 1165, 6996
(A) 8 (B) 18 (C) 57 (D) 228

Directions (72) : Find the missing numbers :

72. 1, 4, 9, 16, 25, ?
(A) 35 (B) 49 (C) 36 (D) 64

Direction(73) Arrange the following group such that when arranged in a specific order, meaningful word is formed

73. R A C E T
1 2 3 4 5
(A) 1, 2, 3, 4, 5 (B) 3, 2, 1, 4, 5 (C) 5, 2, 3, 4, 1 (D) 5, 1, 2, 3, 4

Directions (74) : Find the missing numbers :

74. 512, 64, 16, 8, 8, 16, ?
(A) 16 (B) 32 (C) 40 (D) 64

Directions :(75) Arrange the given words in alphabetical order and choose the one that comes first.

75. (A) Praise (B) Prank (C) Prayer (D) Practice

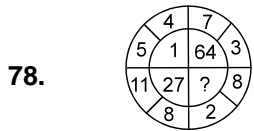
Direction (76) Find the missing terms:

76. 5, 9, 16, 29, 54, ?
(A) 92 (B) 89 (C) 79 (D) 103

Directions : (77) Find the wrong term

77. CDF, DEG, EFH, FHI
(A) CDF (B) DEG (C) FHI (D) EFH

Directions : (78) Find the missing term



- (A) 125 (B) 216 (C) 121 (D) 225

Directions : (79) Find the wrong term

79. 0, 0, 1, 3, 5, 10, 15, 21
(A) 0 (B) 1 (C) 5 (D) 21

Directions : (80) Find the missing term

80. CG, DI, ?, IP, MU
(A) FM (B) EL (C) EM (D) FL

7. ENGLISH

Straight Objective Type

This section contains 10 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

Fill in the blanks with the correct answer selecting from the given options.

81. Identify the kind of noun of the bold word in the given sentence.
"He was famous for his **bravery**".
(A) Common (B) Collective (C) Abstract (D) Material
82. It was raining last night.
(A) heavier (B) heavy (C) heavily (D) heaviest
83. She is the girl in the class.
(A) most intelligent (B) more intelligent (C) intelligent (D) none
84. I never cricket.
(A) have, played (B) did, play (C) must, play (D) am, playing
85. She always goes for a walk but today she
(A) will not go (B) do not go (C) did not go (D) is not going
86. Kate is Catholic.
(A) an (B) the (C) a (D) no article
87. I read this news in Guardian.
(A) an (B) the (C) a (D) no article
88. The cow is standing the tree.
(A) under (B) in (C) along (D) above
89. The thief jumped the wall.
(A) on (B) above (C) over (D) upon
90. Identify the Kind of given sentence. "Fall in line immediately."
(A) Negative (B) Imperative (C) Interrogative (D) Exclamatory

CLASS : VI
SAMPLE PAPER

ANSWER KEY

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

