



Sample Paper

For Class - VIII

Time: 90 Min.		TEST PATTERN		Max. Marks: 70	
Total Questions	Subject	Type	Marks Criteria (Total 45 Marks)		
70	Physics (1-10), Chemistry (11-20), Biology (21-30) Mathematics (31-45), Social Science (46-55) Mental Ability (56-65), English (66-70)	Objective Question	Correct (+1) Mark	Incorrect (–0.25) Mark	

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.

1. A ray of light is incident normally on a plane mirror. The glance angle of reflection will be
(A) 0° (B) 90°
(C) Will not be reflected (D) None of the above
2. Which of the following can produce a real image
(A) Plane mirror (B) Convex mirror
(C) Concave mirror (D) All the above
3. 62.5×10^{18} electrons per second are flowing through a wire of area of cross-section 0.1 m^2 , the value of current flowing will be
(A) 1 A (B) 0.1 A (C) 10 A (D) 0.11 A
4. 20 kg/m^2 is equivalent to
(A) 20 g/cm^2 (B) 2000 g/cm^2 (C) 2 g/cm^2 (D) 0.02 kg/m^2
5. 500 N/kg is equivalent to
(A) 0.5 N/g (B) 5000 dyne/g (C) 50000 dyne/g (D) Both A & C
6. A force of 225 N, while acting on an area A, produces a pressure of 150 Pa. What is the magnitude of A in cm^2
(A) 1.5 (B) 1500 (C) 15 (D) 15000
7. Two forces of 50N & 100N are applied on an object of mass 500g in opposite direction. What is the acceleration of the object after 2 sec ?
(A) 10 m/s^2 (B) 100 m/s^2 (C) 3 m/s^2 (D) 300 m/s^2
8. The speed of a wave in a medium is 760 m/s. If 3600 waves are passing through a point in the medium in 2 minutes, then its wavelength is
(A) 13.8 m (B) 25.3 m (C) 41.5 m (D) 57.2 m
9. Velocity of sound is maximum in
(A) Air (B) Water (C) Vacuum (D) Steel
10. SI unit of wavelength is
(A) second (B) cm (C) m (D) Hz

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.

11. Which of the following is known as artificial silk?
(A) Nylon (B) Rayon (C) Polyester (D) Spandex
12. The fibre which is used as a substitute of wool is
(A) Rayon (B) Nylon (C) Acrylic (D) Polyester
13. Non stick cookwares have the coating of
(A) PET (B) Teflon (C) Acrylic (D) None
14. Uniform of fireman is coated with
(A) Teflon (B) Rayon (C) PVC (D) Melamine
15. Metal, which is liquid at room temperature
(A) Bromine (B) Mercury (C) Both (A) and (B) (D) None of these

16. Metal which is best conductor of heat is
(A) Silver (B) Gold (C) Copper (D) Lead
17. The metal which is least reactive is
(A) Ag (B) Au (C) Cu (D) Pt
18. Which of the following acid is used in lead storage batteries
(A) HNO_3 (B) HCl (C) H_2SO_4 (D) H_3PO_4
19. Biogas is a mixture of
(A) Methane + CO_2 (B) Methane + CO (C) Ethane + CO_2 (D) Ethane + CO
20. Purest form of carbon is
(A) Coal (B) Charcoal (C) Coke (D) All of these

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. The micro-organism which always harm the living creature is
(A) Bacteria (B) Virus (C) Protozoa (D) Algae
22. The connecting link between plant and animal cell is
(A) Mycoplasma (B) Viruses (C) Euglena (D) Amoeba
23. The curdling of milk is induced by
(A) Algae (B) Plasmodium (C) Bacteria (D) Fungi
24. Malaria is caused by -
(A) Bacteria (B) Algae (C) Protozoa (D) Fungi
25. Fermentation is the major function of -
(A) Yeast (B) Lichen (C) Mushroom (D) Plasmodium
26. Which of the following is cause of Polio ?
(A) Virus (B) Algae (C) Bacteria (D) Protozoa
27. Van mahostava is celebrated in
(A) June (B) July (C) August (D) September
28. Illegal hunting of animal is called
(A) Prevention (B) Conservation (C) Poaching (D) none
29. In which state of India breeding of crocodile was done to increase their species
(A) Maharashtra (B) Chennai (C) Rajasthan (D) Gujarat
30. The species likely to move into the endangered category are called
(A) Extinct (B) Rare (C) Endangered (D) Vulnerable

4. MATHEMATICS

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.

31. What is the length of the rectangle whose breadth is 10 cm & perimeter 60 cm.
(A) 15 cm (B) 16 cm (C) 20 cm (D) 25 cm
32. What should be added to $-\frac{3}{5}$ to get $-\frac{7}{5}$
(A) $\frac{4}{5}$ (B) 1 (C) $-\frac{4}{5}$ (D) 2
33. Two numbers are in the ratio 3:5. If their sum is 64, then the numbers are
(A) 24 & 40 (B) 15 & 24 (C) 10 & 24 (D) 20 & 24

34. The sum of the ages of three persons is 100 years. What will be the sum of their ages after 5 years.
(A) 100 yrs. (B) 115 yrs. (C) 300 yrs. (D) 30 yrs.
35. The sum of three consecutive multiples of 5 is 45. Which is the smallest of the three multiples.
(A) 10 (B) 15 (C) 20 (D) 25
36. If $z/(z + 15) = 4/9$, then the value of 'z' is
(A) 11 (B) 12 (C) 13 (D) 14
37. Sum of two numbers is 95. If one exceeds the other by 15, then the numbers are
(A) 25 & 40 (B) 50 & 65 (C) 30 & 45 (D) 40 & 55
38. Find the number which is not a perfect cube among the following
(A) 1331 (B) 216 (C) 243 (D) 512
39. What is the smallest number by which 2560 must be multiplied so that the product is a perfect cube?
(A) 5 (B) 25 (C) 10 (D) 15
40. Find the smallest number by which 8788 must be divided so that the quotient is a perfect cube.
(A) 4 (B) 12 (C) 16 (D) 32
41. What is the cube root of 1.331?
(A) 0.11 (B) 0.011 (C) 11 (D) 1.1
42. Find the value of $\sqrt[3]{343} \times \sqrt[3]{-64}$.
(A) 28 (B) -28 (C) 18 (D) -18
43. The length of each side of a cubical box is 2.4 m. What is its volume
(A) 13.824 cu m (B) 13.824 cu cm (C) 13.824 m² (D) 13.824 cm²
44. The cube of a number is 8 times the cube of another number. If the sum of the cubes of numbers is 243, what is difference of the numbers?
(A) 3 (B) 4 (C) 6 (D) -6
45. The difference of the cube and the square of a natural number is 48. Find the number
(A) 6 (B) 4 (C) 9 (D) -6

4. 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.

46. Resources being used for production have :
(A) legal value (B) economic value (C) aesthetic value (D) ethical value
47. Those resources which are found in a region, but have not been put to a proper use are called:
(A) actual resources (B) biotic resources (C) potential resources (D) abiotic resources
48. Human made resources have gained importance because of :
(A) Growth in physical capital (B) Technology
(C) Political institutions (D) All the above
49. Which of the renewable resource takes a comparatively longer time to renew itself ?
(A) Wind (B) Solar energy (C) Both A & B (D) Forests
50. Which is not a human made resource ?
(A) buildings (B) tools (C) machines (D) mineral
51. On _____, Lord Mountbatten, the last British Governor - General of India announced the partition of British Indian Empire.
(A) 3rd June 1947 (B) 4rd June 1948 (C) 5rd June 1949 (D) 6rd June 1947

52. What was important in the history written by British historians in India ?
 (A) The role of Kings in making India a great country.
 (B) How the British defeated the French and captured India.
 (C) The rule of each Governor-General
 (D) The rule of Indians who supported the British in establishing their rule over India.
53. Gandhi Irwin pact was signed in
 (A) 1931 (B) 1905 (C) 1877 (D) 1600
54. The last British Governor General of India
 (A) Lord curzon (B) Lord Mountbatten (C) Lord Dalhousie (D) Lord Macaulay
55. James Mill was a –
 (A) An Indian economist (B) An Italian economist
 (C) A Scottish economist (D) A Dutch economist

5. MENTAL ABILITY

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. Which letter is exactly in the middle of the 20th letter from the right and 11th letter from left in alphabet series?
 (A) I (B) J (C) H (D) O
57. If the second half of the following alphabets is arranged in the reverse order, which letter will be 10th letter to the right of the 10th letter counting from the left end?
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
 (A) I (B) F (C) V (D) T
58. Which one word can be formed from the letters of the word 'REVERENCE'?
 (A) NEAR (B) SEER (C) PEER (D) NEVER
59. How many sets of two letters have as many letters between them as in the alphabetical order in the word 'ARISTOCRAT'?
 (A) 1 (B) 2 (C) 3 (D) 4
60. Which of the following words will come at second position if all the words are arranged alphabetically?
 (A) Arrangement (B) Arrest (C) Arrears (D) Arrival
61. If first half of the alphabets is written in the reverse order, which letter would be 3rd to the right of 10th letter from the left?
 (A) F (B) H (C) B (D) A
62. If the following words are arranged in the alphabetical order, which word will appear at the end?
 (A) Olympic (B) Olympia (C) Oval (D) Ovulet
63. If it is possible to form a word with 1st, 4th, 7th and 11th letters of the word 'SUPERFLUOUS', write the first letter of that word. Otherwise, X is the answer.
 (A) S (B) L (C) O (D) X
64. A meaningful word is made if we take 1st, 4th, 5th, 7th, 10th, 11th and 12th letters of the word 'FELICITATIONS' Which of the following will be the 5th letter of that word from the right end of the new word?
 (A) T (B) C (C) N (D) I
65. If the following words are arranged in the alphabetical order, which word will appear at second position.
 (A) Principal (B) Principle (C) Principia (D) Principled

7. ENGLISH

Straight Objective Type

This section contains 05 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.

66. The collective noun of 'thieves' is
 (A) a swarm of thieves (B) a swarm of a team (C) a swarm of a den (D) a swarm of a spring
67. Lalita can find the lost key.
 (A) her (B) his (C) own (D) herself
68. This dress is than that.
 (A) pretty (B) prettier (C) prettiest (D) none
69. The burglar crept
 (A) silent (B) silence (C) silently (D) none
70. I the letters yet.
 (A) have not printed (B) did not print (C) shall not print (D) do not print

CLASS : VIII

STAR SAMPLE PAPER

ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	B	C	C	C	D	D	B	B	D	C	B	C	B	D	B
Ques.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	A	D	C	A	D	B	C	C	C	B	A	B	C	B	D
Ques.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	C	C	A	B	A	B	D	C	B	A	D	B	A	A	B
Ques.	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Ans.	D	C	C	A	B	B	C	A	B	C	A	D	D	C	C
Ques.	61	62	63	64	65	66	67	68	69	70					
Ans.	D	D	B	B	C	C	D	B	C	A					