



Sample Paper

For Class - VII

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. 20kg/m^2 is equivalent to
(A) 20 g/cm^2 (B) 2000 g/cm^2 (C) 2 g/cm^2 (D) 0.02kg/m^2
2. 500N/kg is equivalent to
(A) 0.5 N/g (B) 5000 dyne/g (C) 50000 dyne/g (D) Both A & C
3. If temperature of a body increases from 250K to 325K , then change in temperature of the body is
(A) 75°F (B) 75K (C) 75°C (D) both B & C
4. Two threads of length 2.2cm & 5mm are connected end to end then total length of combination is
(A) 7.2cm (B) 7.2mm (C) 2.7cm (D) 27cm
5. A ray of light is incident normally on a plane mirror. The angle of reflection will be
(A) 0° (B) 90°
(C) Will not be reflected (D) None of the above
6. Which of the following can produce a real image
(A) Plane mirror (B) Convex mirror
(C) Concave mirror (D) All the above
7. SI unit of wavelength is
(A) second (B) cm (C) m (D) Hz
8. 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
9. Which letters of English alphabet will not show lateral inversion?
(A) I, O, U (B) N, Z, X (C) L, X, E (D) A, E, I
10. Light year is the unit of
(A) Time (B) Distance (C) Speed (D) None of these

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. Caterpillars spin their cocoons at which stage?
(A) Pupa stage (B) Moth stage (C) Both (A) & (B) (D) None of these
12. Jute is obtained from which part of a plant?
(A) Leaves (B) Root (C) Stem (D) Both (A) and (C)
13. _____ is a cellulose fiber.
(A) Cotton (B) Wool (C) Silk (D) None of these
14. Which of the following is a base and not an alkali?
(A) NaOH (B) KOH (C) Fe(OH)_3 (D) None of these
15. Which of the following is a strong acid?
(A) Acetic acid (B) Citric acid (C) Nitric acid (D) Tartaric acid
16. Which of the below turns blue litmus red?
(A) NaOH (B) HCl (C) H_2SO_4 (D) Both (B) and (C)

17. Slow eating away of iron articles in the presence of moist air is called
(A) Galvanisation (B) Crystallisation (C) Rusting (D) Neutralisation
18. Which of the following is a physical change
(A) Digestion of food (B) Boiling of an egg (C) Making a cup of tea (D) None of these
19. Why does limewater turn milky when carbon dioxide gas is passed through it?
(A) Due to the formation of calcium carbonate.
(B) Due to the formation of calcium hydroxide.
(C) Because hydrogen gas is released.
(D) Because calcium hydroxide reacts with hydrogen gas.
20. The standard unit of measuring temperature is
(A) Fahrenheit (B) Meter (C) Kelvin (D) Celsius

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.

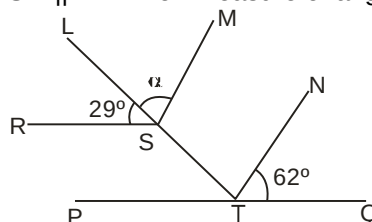
21. An adaptation is: -
(A) A place where an organism lives.
(B) A characteristic that improves the organism's ability to survive.
(C) A stage in an animal's life cycle.
(D) A characteristic that prevents an organism's ability to survive.
22. A place where an organism or group of organisms live and obtain food, air, water, shelter or space, or light needed to survive is called _____.
(A) A habitat (B) A metamorphosis (C) An adaptation (D) Locomotion
23. Some animals begin as an egg and then undergo changes in their life cycle, such as in appearance, color, shape, or growth of new structures. This is called _____.
(A) Metamorphosis (B) Adaptation (C) Birth (D) Camouflage
24. Some animals have special adaptations for living in their particular habitat. For example, in a *cold* habitat animals may have _____.
(A) Blubber (B) Gills (C) Venom (D) Wings
25. *Nocturnal* animals _____.
(A) Seek food during the day (B) Sleep during the night
(C) Sleep during the day (D) Do not sleep
26. Soil differs according to their _____.
(A) colour (B) Texture (C) Aeration (D) All
27. Which of the following have maximum water holding capacity
(A) Sandy (B) Clay (C) Loamy (D) None
28. Large scale planting of trees is called _____.
(A) Afforestation (B) Deforestation (C) Soil erosion (D) Soil Pollution
29. During extreme aridity desert rat _____.
(A) Stores water (B) Uses metabolic water
(C) Saves water (D) Don't use water
30. In aerial animal forelimb are modified into _____.
(A) Wings (B) Hind limbs (C) Body (D) air chambers

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. In the figure shown $PQ \parallel RS$ and $SM \parallel TN$. Then measure of angle α is:



- (A) 58° (B) 118° (C) 89° (D) 91°

32. Pythagoras theorem is applied in
(A) acute angled triangle
(C) right angled triangle

- (B) obtuse angled triangle
(D) none of these

33. An angle is 14° more than its complementary angle then angle is :

- (A) 38° (B) 52° (C) 50° (D) None of these

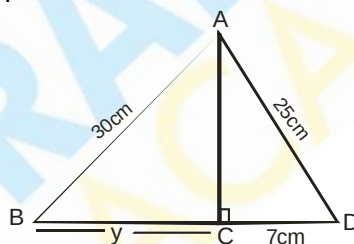
34. The vertical angles of an isosceles triangle measures $(5p - 18)^\circ$ and one of the base angles measures $3p^\circ$. What is the value of p ?

- (A) 24 (B) 15 (C) 18 (D) 12

35. If the supplement of an angle is three times its complement, then angle is:

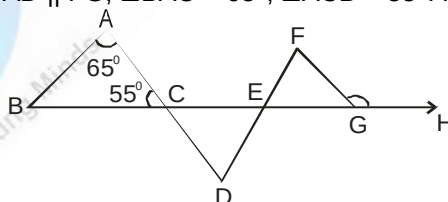
- (A) 40° (B) 35° (C) 50° (D) 45°

36. Find the length marked y in figure :



- (A) 18 cm (B) 24 cm (C) 19 cm (D) 30 cm

37. In the given figure if $AB \parallel DF$, $AD \parallel FG$, $\angle BAC = 65^\circ$, $\angle ACB = 55^\circ$. Find $\angle FGH$.

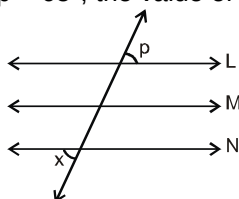


- (A) 125° (B) 100° (C) 120° (D) 0.015°

38. The angles of a triangle are in the ratio $3 : 2 : 1$, then the angles are :

- (A) $90^\circ, 60^\circ, 30^\circ$ (B) $100^\circ, 50^\circ, 30^\circ$ (C) $80^\circ, 60^\circ, 40^\circ$ (D) $70^\circ, 60^\circ, 50^\circ$

39. In the below figure $L \parallel M$, $M \parallel N$ and $\angle p = 65^\circ$, the value of $\angle x$ is =



- (A) 65° (B) 115° (C) 25° (D) 45°

40. The sum of two angles of a triangle is half of a right angle and their difference is 1° more than $\frac{2}{5}$ th of a right angle, then smallest angle of the triangle is :
 (A) 4° (B) 41° (C) 40° (D) 3°
41. One of the angles of a triangle is 74° and the other two angles are equal. Find the measure of each of the equal angles
 (A) 58° (B) 100° (C) 53° (D) 116°
42. Which of the following can be the sides of a right triangle.
 (A) 4 cm, 5 cm, 6 cm (B) 2.5 cm, 6cm, 1.5 cm (C) 1.5 cm, 2 cm, 2.5 cm (D) 5cm, 6cm, 7cm
43. One of the exterior angles of a triangle is 72° and its interior opposite angles are in ratio 4:5. The angles of the triangle are
 (A) $32^\circ, 40^\circ$ (B) $30^\circ, 42^\circ$ (C) $28^\circ, 44^\circ$ (D) $50^\circ, 22^\circ$
44. The perpendicular line segment from a vertex of a triangle to its opposite side is called
 (A) Median (B) Diagonal (C) Base (D) Altitude
45. XYZ is a triangle right angled at 'Y'. If ZX = 25 cm, YZ = 7cm, XY is
 (A) 38 cm (B) 26 cm (C) 23 cm (D) 24 cm

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.

46. Who among the followings was a foreign traveller?
 (A) Ibn-battuta (B) Kalhan (C) Marco polo (D) Both a & c
47. Ain-i-Akbari gives us an insight of
 (A) Babar's administration (B) Humayun's administration
 (C) Akbar's administration (D) Jahangir's administration
48. The court language of the Mughals was
 (A) Hindi (B) Sanskrit (C) Persian (D) Urdu
49. Epigraphy is known as:
 (A) Science of studying inscriptions (B) Science of studying autobiographies
 (C) Science of studying coins (D) none of these
50. Tuzuk -i - Jahangiri was written by
 (A) Kalhan (B) Jahangir (C) Firdausi (D) Masum
51. Which is not a natural ecosystem?
 (A) Desert (B) Aquarium (C) Forest (D) Grass land
52. Natural Environment refers to.
 (A) Abiotic (B) Biotic (C) Both a & b (D) None of these
53. Which domain exists between 5 miles above & 5 miles below sea level?
 (A) Lithosphere (B) Hydrosphere (C) Atmosphere (D) Biosphere
54. Which among the following statement is incorrect?
 (A) Landforms are found on ocean floor
 (B) Lithosphere provides us grazing land
 (C) The gravitational force of earth holds the atmosphere around it.
 (D) All plants, animals & human beings do not depend on their immediate surroundings.
55. The average thickness of the lithosphere is about
 (A) 10 km (B) 200 km (C) 100 km (D) 1000 km

6. 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. Arrange the given words in the sequence in which they occur in the dictionary and then choose the correct sequence.
1. Select 2. Seldom 3. Send 4. Selfish 5. Seller
(A) 1, 2, 4, 5, 3 (B) 2, 1, 5, 4, 3 (C) 2, 1, 4, 5, 3 (D) 2, 5, 4, 1, 3
57. If Letters of alphabet series are written in reverse way then which letter will be seventh letter right to Q ?
(A) K (B) U (C) J (D) W
58. In the word **PARADISE** how many pairs of letters are there which have as many letters between them in the word as in the alphabet series?
(A) None (B) One (C) Two (D) Three

Directions : (59 to 60) Arrange the following group such that when arranged in a specific order, meaningful word is formed.

59. R T A N U E
1 2 3 4 5 6
(A) 1,3,2,6,4,5 (B) 3,2,4,6,1,5 (C) 4,3,2,5,1,6 (D) 4,6,5,2,3,1
60. V A H Y E
1 2 3 4 5
(A) 2, 3, 4, 5, 1 (B) 3, 2, 5, 1, 4 (C) 3, 5, 2, 1, 4 (D) 1, 5, 2, 3, 4
61. If the positions of the first and the sixth letters in the word 'COMPROMISE' are interchanged, similarly the positions of the second and the seventh and so on, then which of the letters will be the seventh letter from the right end ?
(A) P (B) R (C) E (D) S

Directions : (62) Arrange the following group such that when arranged in a specific order, meaningful word is formed.

62. R U S G A
1 2 3 4 5
(A) 1, 5, 4, 2, 3 (B) 5, 3, 4, 1, 2 (C) 3, 2, 4, 5, 1 (D) 4, 5, 3, 2, 1
63. Which letter is midway between 22nd letter from the left and 21st letter from the right in alphabet series?
(A) L (B) M (C) O (D) None of these

Directions : (64) Arrange the following group such that when arranged in a specific order, meaningful word is formed.

64. K A T C E L
1 2 3 4 5 6
(A) 4, 2, 3, 1, 5, 6 (B) 1, 2, 4, 5, 6, 3 (C) 6, 5, 3, 2, 4, 1 (D) 3, 2, 4, 1, 6, 5
65. Find which one word can not be made from the letters of the given word.
KALEIDOSCOPE
(A) SCALE (B) PADLOCK (C) PACKET (D) DIESEL

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. Measles broken out in the city .
 (A) has (B) have (C) were (D) are
67. My brother and I went to the shop and bumped into uncle.
 (A) my (B) his (C) our (D) their
68. Bangladesh was hit by a Storm this year.
 (A) heavy (B) heavier (C) heaviest (D) none
69. I have money to buy a car .
 (A) very (B) too (C) enough (D) any
70. My mother to London last week .
 (A) went (B) go (C) goes (D) is going

CLASS : VII

STAR SAMPLE PAPER

ANSWER KEY

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