

TEST ID

501



Brilliant STUDY CENTRE
PALA

QUESTION
BOOKLET CODE

A

FOUNDATION PROGRAMME CLASS VI 23-10-2021
SCREENING CUM SCHOLARSHIP TEST

(Students who are studying in Class V)

PHYSICS + CHEMISTRY + BIOLOGY + MATHS

Time : 90 minutes	Number of Questions : 80	Maximum Marks : 320
Name of the Candidate :		
Signature of Candidate :		
Phone Number / Mobile No. :		
Name of the School Studying :		
Class Studying :		Roll. No.
Test Centre:	Signature of Invigilator	

INSTRUCTIONS

1. Please fill in the items such as name, signature, centre etc. of the candidate in the columns given above.
2. Please ensure the given question booklet, is for your class itself.
3. This question booklet contains 80 questions. For each question, four answers are suggested and given against (A), (B), (C) and (D) of which, only one will be the **Most Appropriate Answer**. Mark the bubble containing the letter corresponding to the 'Most Appropriate Answer' in the OMR answer sheet, by using either **Blue or Black ball - point pen only**
4. Each correct answer will be awarded **FOUR** marks. More than one answer marked against a question will be deemed as an incorrect response. **There will be no negative mark for incorrect answer. No negative mark for unattended questions.**
5. All the rough work is to be done in the blank space provided in the question paper.
6. **WARNING:** Any malpractice or any attempt of malpractice, in the Examination, will **DISQUALIFY THE CANDIDATE**.
7. **Return the OMR answer sheet to the invigilator at the end of the examination.**

IMMEDIATELY AFTER OPENING THIS QUESTION BOOKLET, THE CANDIDATE SHOULD VERIFY WHETHER THE QUESTION BOOKLET ISSUED CONTAINS ALL THE 80 QUESTIONS IN SERIAL ORDER. IF NOT, REQUEST FOR REPLACEMENT

PHYSICS

1. Which is the lightest state of matter?
A) Solid B) Liquid C) Gas D) Ice
2. Nitrogen in the air is in state of matter
A) Liquid B) Gaseous C) Solid D) Water vapour
3. Solids dissolve in water quickly by stirring and the water
A) Cooling B) Freezing C) Heating D) Melting
4. In a solution of salt, sugar, water, which of the following is considered as sugar
A) Solution B) Solar C) Solvent D) Solute
5. A small amount of mass is measured in
A) Kilograms B) Kilolitres
C) Milligrams D) Millilitres
6. The mass difference between deflated balloon and inflated balloon is because air has.....
A) Space B) Matter C) Vapour D) Mass
7. A liquid in which the substance dissolves is known as the
A) Solvent B) Solute C) Solution D) Solve
8. Energy is the of a body to do work
A) Magnet B) Capacity C) Force D) Muscle
9. Friction of a body..... a moving object
A) Speeds up B) Normalize C) Slows down D) All of them
10. The first airport in India to use solar power to generate electricity for its daily operations is
A) CIAL B) KIAL C) TIAL D) All
11. Flowing water is used to produce
A) Electricity B) Heat C) Wind D) Hydel

SPACE FOR ROUGH WORK

12. The energy present in flowing water is
A) Solar energy B) Wind energy C) Light energy D) Hydel energy
13. Energy present in the rays of sun is called
A) Hydel energy B) Solar energy
C) Wind energy D) All
14. A machine used to produce electricity is
A) Turpentine B) Turban C) Turbine D) Turkey
15. Which of the following is an example for simple machines?
A) Bicycle B) Hammer C) Sewing machine D) Car
16. A machine which is made up of many parts is called
A) Complex machine B) Simple machine
C) Comfort machine D) All
17. Which is the driest place on Earth?
A) Libya B) Atacama desert
C) Mawsynram D) Antartica
18. Movement of air from the land to the sea at night causes
A) Land breeze B) Sea breeze C) Earth breeze D) Brazil
19. Changing of water vapour into water on cooling is called
A) Sedimentation B) Decantation
C) Condensation D) Evaporation
20. The process in which the liquid is gently poured out after sedimentation is called
A) Sedimentation B) Filtration
C) Condensation D) Decantation

SPACE FOR ROUGH WORK

CHEMISTRY

21. Changing of water into water vapour on heating is called
A) Filtration B) Condensation C) Evaporation D) Decantation
22. Warm air
A) Is heavier B) Has no mass C) Is lighter D) Has no volume
23. Dew is formed due to the process of
A) Evaporation B) Condensation C) Decantation D) Sedimentation
24. The Earth rotates from
A) West to East B) East to west C) North to East D) South to East
25. An imaginary line passing through the Earth from the North pole to the south pole is called its
A) Orbit B) Revolution C) Axis D) Rotation
26. A large, round natural object that revolves around a star in a definite path is called
- A) Planet B) Plant C) Plane D) Plan
27. The planet which is called as morning star
A) Earth B) Venus C) Mercury D) Mars
28. The planet which is surrounded by rings
A) Jupiter B) Uranus C) Saturn D) Neptune
29. The Bluish-green planet
A) Jupiter B) Uranus C) Saturn D) Neptune
30. Outer planets are called
A) Shooting star B) Moons C) Dwarf planets D) Gas giants
31. In one day Earth completes
A) Three rotations B) Two rotations C) One rotation D) One revolution

SPACE FOR ROUGH WORK

32. The fastest revolving planet
A) Earth B) Venus C) Mercury D) Mars
33. It is hotter in places near the equator as the sunrays are
A) Indirect B) Slanting
C) Curved D) Straight
34. Because of the tilt of the Earth, the upper and lower halves of the Earth have
A) Many seasons B) Same seasons
C) Different seasons D) No seasons
35. Name an eco friendly fuel to run cars and buses
A) Petrol B) Diesel C) Water D) CNG
36. The protected forest regions are known as
A) Wildlife sanctuaries B) Indian parks
C) National treasures D) All
37. Animals found only in the Gir forest of Gujarat?
A) Tigers B) Bears C) Cheetahs D) Lions
38. Which of these animals were once found in many parts of India?
A) Zebras B) Penguins
C) Cheetahs D) Koala bears
39. The famous Tiger project in Assam
A) Corbett B) Bandipur C) Manas D) Simlipal
40. Sundarbans is a
A) National park B) Wildlife sanctuary
C) Bird sanctuary D) Tiger projects

SPACE FOR ROUGH WORK

48. From the stomach the food enters the
A) Food pipe
B) Pancreas
C) Small intestine
D) Large intestine
49. Saliva begins the digestion of
A) Proteins
B) Carbohydrate
C) Fat
D) Fibre
50. Vitamin C is easily destroyed by
A) Sundrying
B) cooling
C) Freezing
d) Heating
51. Digestion of food is completed in
A) Large intestine
B) Small intestine
C) Stomach
D) Pancreas
52. The green-coloured pigment in plants
A) Carotene
B) Chlorophyll
C) Xanthophyll
D) Fucoxanthin
53. Select the wrong statements from the following
A) Midrib is the main vein in the centre of a leaf
B) Partial parasite totally depends on others for food and water
C) Animals also help plants to disperse seed
D) Pitcher plants are insectivorous
54. Which plants have waxy surface and drip tips
A) Desert plants
B) Plants of rain forests
C) Plants of deciduous forests
D) Aquatic plants
55. Plants growing in rain forests are adapted to
A) Wet condition
B) Sandy soil
C) Less rain fall
D) Low humidity

SPACE FOR ROUGH WORK

56. From the following select the mis-match pair

- A) Rain forests - Drip tips
- B) Deciduous forests - thin bark
- C) Aquatic plants - air spaces
- D) Mangroves - Stilt root

57. 1) Thin striped leaves
2) Flexible stem
3) Long roots

The above statements are the character of

- A) Deserts
- B) Mangrove
- C) Aquatic
- D) Coastal region

58. Aquatic plants are adapted to conditions of

- A) Scanty coater
- B) Drought
- C) Plentiful rain
- D) Plentiful water

59. Deciduous trees have a

- A) Smooth stem
- B) Flexible stem
- C) Trunk with a thick bark
- D) Weak stem

60. Broad, green leaves are not found in most cactus plants why?

- A) Prevent loss of water
- B) Protect the plants from herbivorous plants
- C) Less photosynthesis efficiency
- D) Lack of chlorophyll

MATHEMATICS

61. Which is the greatest six-digit number

- A) 9,99,999
- B) 999989
- C) 989999
- D) 999998

SPACE FOR ROUGH WORK

71. The numbers 24 and 72 has how many common factors
A) 8 B) 6 C) 7 D) 5
72. If the numerator is less than the denominator, then the fraction is called
A) Improper B) Proper
C) mixed fraction D) Both A & C
73. If a fraction is improper, then which of the following statement is correct
A) numerator is greater than denominator
B) denominator is less than numerator
C) numerator is less than denominator
D) Both A and B
74. Find the mixed fraction corresponding to $\frac{23}{5}$ is
A) $2\frac{3}{10}$ B) $15\frac{3}{5}$ C) $4\frac{3}{5}$ D) none of these
75. Find the improper fraction corresponding to $5\frac{3}{7}$ is
A) $\frac{15}{7}$ B) $\frac{36}{7}$ C) $\frac{38}{7}$ D) $\frac{26}{7}$
76. Which of the following is the longest chord of a circle
A) diameter B) radius C) circumference D) none of these
77. Find the radius of a circular object whose diameter is 36cm
A) 9 cm B) 18 cm C) 16 cm D) 12 cm

SPACE FOR ROUGH WORK

FOUNDATION - CLASS VI (STUDYING V) - KEY

PHYSICS

1. C
2. B
3. C
4. D
5. C
6. D
7. A
8. B
9. C
10. A
11. A
12. D
13. B
14. C
15. B
16. A
17. B
18. A
19. C
20. D

CHEMISTRY

21. C
22. C
23. B
24. A
25. C
26. A
27. B
28. C
29. B
30. D
31. C
32. C
33. D
34. C
35. D
36. A
37. D
38. C
39. C
40. A

BIOLOGY

41. A
42. B
43. A
44. C
45. D
46. B
47. D
48. C
49. B
50. D
51. B
52. B
53. B
54. B
55. A
56. B
57. D
58. D
59. C
60. A

MATHEMATICS

61. A
62. A
63. B
64. A
65. D
66. A
67. D
68. B
69. C
70. B
71. A
72. B
73. D
74. C
75. C
76. A
77. B
78. C
79. C
80. A