

TEST ID

601



Brilliant STUDY CENTRE
PALA

QUESTION
BOOKLET CODE

C

FOUNDATION PROGRAMME CLASS VII 23-10-2021
MOCK TEST

(Students who are studying in Class VI)

PHYSICS + CHEMISTRY + BIOLOGY + MATHS

Time : 120 minutes	Number of Questions : 100	Maximum Marks : 400
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 100 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. **ONE** mark will be deducted for each **incorrect answer**. More than one answer marked against a question will be deemed as an incorrect response and will be negatively marked. 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 100 QUESTIONS IN SERIAL ORDER. IF NOT, REQUEST FOR REPLACEMENT

PHYSICS

1. Which natural disaster is the sliding down of a mass of earth or rock from a mountain or cliff?
A) Tsunami B) Tornado C) Thunderstorm D) Landslide
2. What occurs when water flows or collects over land that is usually dry?
A) dam B) flood C) flood way D) levee
3. Magma is made up of
A) Liquid water B) Molten rocks C) Fluids D) Gas
4. A powerful earthquake that occurs below the sea can give rise to a
A) Storm B) Cyclone C) Tsunami D) Flood
5. The intensity of an earthquake is measured using
A) Richter scale B) Celsius scale C) Barometer D) Thermometer
6. Cyclone cause
A) Hot weather B) Heavy rains and strong winds
C) Earthquakes D) Tsunamis
7. Tsunami is a Japanese word meaning
A) Flood wave B) Cyclone wave C) Harbour wave D) Killer wave
8. All of the following are non renewable resources except?
A) Coal B) Animals C) Petroleum D) Natural gas
9. What is a machine?
A) A device that absorbs excess work
B) A device that change the way work is done
C) A device that increase the amount of work done
D) A device that decrease the amount of work done

SPACE FOR ROUGH WORK

10. What is kinetic energy?
A) Energy of motion
B) The sum of mechanical energy and potential energy
C) Stored energy due to position
D) Stored energy due to chemical composition
11. If there are no pedestrian crossings, which is the safest place to cross the road
A) on a bend
B) behind a packed car
C) on a clear, straight road
D) on the brow of a hill
12. What are the steps that you need to do before crossing the road?
A) Stop, look and talk
B) Close your eyes
C) Stop, look and listen for traffic
D) Keep walking
13. The Ursa major is also known as
A) Saptarshi
B) Big Dipper
C) Great bear
D) All of these
14. Which of the following is incorrect
A) Sun is the nearest star from us
B) It is continuously emitting huge amounts of heat and light
C) Planets have light of their own
D) Planets merely reflect the sunlight that falls on them
15. Any body revolving around a planet is known as
A) Satellite
B) Orbit
C) Comet
D) None of these
16. Which of the following is not a constellation?
A) Great Bear
B) Leo Major
C) Orion
D) Sirius

SPACE FOR ROUGH WORK

17. Which of the following is true
A) Mercury is nearest to pluto
B) Venus is nearest to sun
C) Mercury has no satellite of its own
D) Venus has two moon
18. Which is the brightest planet in the sky?
A) Mercury B) Jupiter C) Venus D) Saturn
19. Which of the following is incorrect?
A) Jupiter is the largest planet of the solar system
B) Mass of Jupiter is 318 times that of earth
C) Jupiter has no satellites
D) Jupiter has faint rings around it
20. Which planet is least dense?
A) Saturn B) Earth C) Mars D) Venus
21. Which of the following does not belongs to inner planets?
A) Mercury B) Venus C) Earth D) Saturn
22. Time period of Halley's comet is
A) 76 years B) 86 years C) 216 years D) 116 years
23. Halley's comet was last seen in
A) 1986 B) 1976 C) 1996 D) 1997
24. Shooting stars are known as
A) Asteroids B) Comets C) Meteors D) None of these
25. Which is the first Indian Artificial Satellite?
A) Arya Bhatta B) INSAT C) Rohini D) EDUSAT

SPACE FOR ROUGH WORK

CHEMISTRY

26. Which of these is not an example of an inclined plane
A) Ladder B) Stairs C) Wall D) Drive way
27. What pulls a ball back to earth?
A) Gas B) Gravity C) Friction D) Molecules
28. Why does a rolling ball stop?
A) Gravity B) Friction C) Water falls D) Sand
29. What is push or pull of an object?
A) Force B) Motion C) Friction D) Gravity
30. What is the standard unit force is measured in?
A) Pounds B) Grams
C) Newtons D) Meters
31. Uses of fuel includes
A) Produce steam to run engine
B) Produce electricity in thermal power plants
C) Fuel in various industries
D) All of these
32. Coal can be used as a
A) Fertilizer B) Purifier
C) Fuel D) Insecticide
33. Land is polluted mainly by waste generated in
A) Industries B) Hospitals
C) Households D) All of these

SPACE FOR ROUGH WORK

34. Match the following
- | | |
|-------------------------------|------------------------------|
| 1) Plastics | a) Waterborne diseases |
| 2) Global warming | b) effect of noise pollution |
| 3) Cholera and typhoid | c) non-biodegradable |
| 4) loss of hearing | d) biodegradable |
| 5) fruits and vegetables peel | e) effect of air pollution |
- A) 1 → c; 2 → a; 3 → e; 4 → d; 5 → b
 B) 1 → c; 2 → e; 3 → a; 4 → b; 5 → d
 C) 1 → b; 2 → c; 3 → d; 4 → a; 5 → d
 D) 1 → b; 2 → d; 3 → c; 4 → d; 5 → a
35. A first aid kit should contain
- | | |
|---|---------------------|
| A) cotton wool | B) Bandages |
| C) antiseptic creams and some other medicines | D) all of the above |
36. Which of these is not a complex machine?
- | | | | |
|------------|--------|--------------------|------------------|
| A) Bicycle | B) Car | C) Washing machine | D) Nail clippers |
|------------|--------|--------------------|------------------|
37. What type of simple machine is found on the cap of a pickle jar?
- | | | | |
|----------|-------------------|-----------|----------|
| A) Lever | B) Inclined plane | C) Pulley | D) Screw |
|----------|-------------------|-----------|----------|
38. What is the name given to the respiratory holes on the surface of a leaf?
- | | | | |
|----------------|------------|-------------|---------|
| A) Chlorophyll | B) Stomata | C) Tendrils | D) Pits |
|----------------|------------|-------------|---------|
39. The lower, dense region of the atmosphere is known as
- | | | | |
|---------------|----------------|-----------------|----------------|
| A) Ionosphere | B) Troposphere | C) Stratosphere | D) Hydrosphere |
|---------------|----------------|-----------------|----------------|
40. A space that contains no air or any gas is known as
- | | | | |
|-----------|-----------|----------------------|-----------|
| A) Vacuum | B) Hollow | C) Pressurized Cabin | D) Bubble |
|-----------|-----------|----------------------|-----------|
41. Combustion cannot take place without
- | | | | |
|----------|-----------|--------|---------|
| A) water | B) carbon | C) air | D) zinc |
|----------|-----------|--------|---------|

SPACE FOR ROUGH WORK

42. Air solubility of water is defined as the ability of air to be dissolved in
A) space B) container C) gas D) water
43. Who is known as the father of Modern Chemistry?
A) Kolvey B) Wholer C) Lavoisier D) Pasteur.
44. The Nobel Prize 2020 in Chemistry was jointly awarded to
A)Emmanuelle Charpentier and Jennifer A. Doudna
B) Roger Penrose, Reinhard Genzel and Andrea Ghez
C) Drs. Harvey J. Alter, Michael Houghton
D) Greta Tunberg
45. What is the hottest continent on Earth?
A) Asia B) Europe C) Africa D) South America
46. Which instrument is used for measuring wind speed?
A) Barometer B) Altimeter C) Voltmeter D) Anemometer
47. Which part of the plant take up the nutrients and water ?
A) Steam B) Roots C) Leave D) None of These
48. Genetics is the study of
A) mRNA B) RNA C) genes D) None of These
49. Light is absorbed by some substances, these substances are known as
A) Salt B) pigment C) surface D) None of These
50. What is Rodenticide?
A) A medicine to kill worms B) A medicine to kill animals
C) A lubricant D) A pesticide

SPACE FOR ROUGH WORK

BIOLOGY

51. The part of tooth visible above the gum is known as
A) Root B) Cavity C) Crown D) Plaque
52. What is the name of the substance that gives skin & hair it's pigment?
A) Cerebrum B) Iris C) Melanin D) Quadriceps
53. Where does digestions begin in our body
A) Stomach B) Food pipe C) Intestines D) Mouth
54. Nails are made of
A) Keratin B) Skin C) Bone marrow D) Larynx
55. The bones around your chest that protect organs such as the heart are called
A) Keratin B) Vertebrae C) Ribs D) Larynx
56. What does Vitamin C deficiency cause
A) Ache B) Scurvy C) Boils D) Pellagra
57. Malnutrition can be cured by eating
A) Carbohydrates & fats B) Only fruits & vegetables
C) Junk food D) A balanced diet
58. _____ is an non-communicable disease
A) Malaria B) Typhoid C) Diabetes D) Cholera
59. Rickets is caused due to the deficiency of
A) Vitamin C B) Vitamin A C) Vitamin D D) Vitamin B
60. Tuberculosis spread by
A) Contaminated air B) Mosquito bite
C) Through water D) None of these

SPACE FOR ROUGH WORK

61. Expand ORS
 A) Oral rehydration salt
 B) Over rehydration solution
 C) Oral rehydration solution
 D) Oral rehydration sugar
62. How can we cure Anaemia
 A) A diet containing Vitamin C
 B) Food items rich in Vitamin D
 C) Diet containing Vitamin A
 D) Food item rich in iron
63. Which of the following is an example of plant adaptations in the desert
 A) Plants have thin layer of cuticle
 B) Thick cuticle and sunken stomata
 C) Roots modified for doing photosynthesis
 D) Roots and root hairs are absent
64. _____ are grinding teeth
 A) Incisors
 B) Canines
 C) Molars
 D) All of the above
65. The leaves of plants that can be eaten as food
 A) Cauliflower
 B) Spinach
 C) Mango
 D) Potato
66. Excretion of solid urine and nocturnal habits are the adaptation of animals lives in
 A) Polar region
 B) Desert
 C) Rain forest
 D) Mountains
67. Milk, Cheese and butter milk are rich source of
 A) Iron
 B) Iodine
 C) Calcium
 D) Vit.K
68. Which one of the following disease is a vector borne disease
 A) Typhoid
 B) Malaria
 C) Ring worm
 D) Tuberculosis
69. _____ live in cold, high mountainous regions of Himalayas
 A) Black bucks
 B) Yaks
 C) Wild ass
 D) Camel

SPACE FOR ROUGH WORK

70. Plants store prepared food in the form of
A) Water B) Starch C) Glycogen D) O₂
71. _____ is the first part of a seedling during germination
A) Radicle B) Plumule C) Leaf D) Bark
72. Polio vaccine is used to _____
A) Fight against the polio virus
B) Reduce the symptoms by virus
C) Recover from the symptoms
D) Completely cure the disease
73. _____ is an example of herbs
A) Carrot B) Lemon C) Mango D) Bitter gourd
74. _____ are producers
A) Animals B) Green plants C) Both animals and plants D) Insects
75. Ability of an organism to fight against disease causing micro organism
A) Survival B) Immunity C) Adaptation D) Evolution

MATHEMATICS

76. If $A + 1\frac{3}{4} = 2$, A must be equal to
A) 1 B) $\frac{3}{4}$ C) $\frac{1}{2}$ D) $\frac{1}{4}$
77. Anita works for 12 hours and sleeps for 6 hours . What fraction of the day does Anita sleep?
A) $\frac{6}{12}$ B) $\frac{12}{24}$ C) $\frac{6}{24}$ D) $\frac{18}{24}$

SPACE FOR ROUGH WORK

78. What is the value of $\frac{2}{8} + \frac{1}{3} + \frac{7}{3}$
- A) $\frac{10}{3}$ B) $\frac{35}{12}$ C) $\frac{30}{3}$ D) $\frac{10}{27}$
79. How many minutes in $\frac{2}{3}$ of an hour?
- A) 40 minutes B) 60 minutes C) 20 minutes D) 100 minutes
80. Consider the following statement
- 1) $\frac{1}{5}$ of Rs 10 is 200 paisa
- 2) There are 50 cm in $\frac{1}{6}$ th part of 3 meters. Choose the correct option.
- A) Only statement 1 is true B) Only statement 2 is true
 C) Both 1 and 2 are true D) Both 1 and 2 are false
81. O is the centre of a circle with points A and B on its circumference. Which of the following is true of O, A and B?
- A) $OA + OB = AB$ B) $OA = OB$
 C) $OA = 2OB$ D) $AB = \frac{1}{2}OA$
82. The radius of a circle is 3 cm. What is the diameter of a circle whose radius is 3 times that of the given circle?
- A) 18 cm B) 9 cm C) 6 cm D) 12 cm

SPACE FOR ROUGH WORK

83. What is the interval between 06:30 hours and 11: 15 hours ?
A) 5 hr 15 min B) 5 hr 45 min C) 4 hr 45 min D) 4 hr 15 min
84. What time is it 120 seconds earlier than 14 : 25 hours?
A) 2 : 23 pm B) 2.45 pm C) 2. 23 am D) 2.45 am
85. Which of these years was a leap year ?
A) 1996 B) 2003 C) 1993 D) 2002
86. How many hours are there in the month of April ?
A) 30 B) 240 C) 720 D) 702
87. Meena takes 7 minutes 20 seconds to sew 8 buttons. How long does she take to sew one button?
A) 45 seconds B) 55 seconds
C) 50 seconds D) 60 Seconds
88. Which is the least decimal number?
A) 11.01 B) 11.11 C) 11.05 D) 11.5
89. How is $\frac{6}{25}$ represented as a decimal?
A) 2.4 B) 0.24 C) 0.024 D) 2.04
90. Decimal number part of 7.25 is
A) 7 B) 0.2 C) 0.25 D) 0.05
91. By what number should $1\frac{2}{3}$ be divided to get $\frac{2}{3}$?
A) $\frac{3}{2}$ B) $\frac{5}{3}$ C) $\frac{2}{5}$ D) $\frac{5}{2}$

SPACE FOR ROUGH WORK

92. $1.1 \times .01 \times 1$ is
 A) 1 B) 1.1 C) .011 D) .01
93. Simplify $4.5 + [9.5 + \{4.5 - (6.5 - 3.5)\}]$
 A) 7 B) 5.5 C) 4.5 D) 15.5
94. Find the value $4\frac{5}{6} - 2\frac{3}{8} + 3\frac{7}{12}$
 A) $\frac{30}{4}$ B) $13\frac{3}{4}$ C) $\frac{145}{24}$ D) $\frac{144}{24}$
95. The product of the place values of two threes in 53432 is :
 A) 9000 B) 90000
 C) 10000 D) 99000
96. The difference between the greatest and the smallest numbers which when rounded off to the nearest thousand as 9000 is :
 A) 1000 B) 990 C) 999 D) 900
97. The difference between the largest 3 digit number and the largest 3 digit number with distinct digits is :
 A) 10 B) 0 C) 12 D) 13
98. The number of 3 digit numbers formed by using digits 3, 5, 9 taking each digit exactly once is :
 A) 3 B) 4 C) 5 D) 6
99. In the international place value system we write one million for :
 A) 1 lakh B) 10 lakh C) 100 lakh D) 1 crore
100. If a bicycle wheel has 36 spoke, then the angle between a pair of adjacent spokes is :
 A) 10° B) 15° C) 20° D) 12°

SPACE FOR ROUGH WORK

FOUNDATION - CLASS VII (STUDYING VI) - KEY

PHYSICS

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

CHEMISTRY

26. C
27. B
28. B
29. A
30. C
31. D
32. C
33. D
34. B
35. D
36. D
37. D
38. B
39. B
40. A
41. C
42. D
43. C
44. A
45. C
46. D
47. B
48. C
49. B
50. D

BIOLOGY

51. C
52. C
53. D
54. A
55. C
56. B
57. D
58. C
59. C
60. A
61. C
62. D
63. B
64. C
65. B
66. B
67. C
68. B
69. B
70. B
71. A
72. A
73. A
74. B
75. B

MATHEMATICS

76. D
77. C
78. B
79. A
80. C
81. B
82. A
83. C
84. A
85. A
86. C
87. B
88. A
89. B
90. C
91. D
92. C
93. D
94. C
95. B
96. C
97. C
98. D
99. B
100. A