

# Physics Quiz MCQ PDF

1. An oil drop spreads over water because?
  - (A) Oil is lighter than water
  - (B) Oil is more viscous
  - (C) Oil does not mix with water
  - (D) Surface tension of oil is much smaller than that of water
2. What is the name of the device which convert AC to DC?
  - (A) Oscillator
  - (B) Amplifier
  - (C) Rectifier
  - (D) None of these
3. Knot is a measure of?
  - (A) The speed of ship
  - (B) The curvature of spherical object
  - (C) Solar radiation
  - (D) Intensity of earthquake shock
4. When the main switch of the house is put off it disconnects the?
  - (A) Live wire only
  - (B) Live wire and the earth wire
  - (C) Live wire and the neutral wire
  - (D) Earth wire and the neutral wire
5. Heat from the sun reaches earth by the process of?
  - (A) Conduction
  - (B) Convection
  - (C) Radiation
  - (D) All of the above
6. Which of the following produces more sever bums?
  - (A) Boiling water
  - (B) Hot water
  - (C) Steam
  - (D) Melting iceberg
7. The sudden fall of atmospheric pressure indicates?
  - (A) Fair weather
  - (B) Strom
  - (C) Rain
  - (D) Cold water

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8. Magnetism in materials is due to?
- (A) Electrons at rest
  - (B) Circular motion of electrons
  - (C) Protons at rest
  - (D) All neutrons at rest
9. Short sight in human eye can be corrected by using proper?
- (A) Convex lens
  - (B) Concave lens
  - (C) Cylindrical lens
  - (D) Bifocal lens
10. What is the reason for twinkling of stars?
- (A) Dispersion of light
  - (B) Total internal reflection
  - (C) Atmospheric reflection
  - (D) Atmospheric refraction
11. The instrument for measuring intensity of earthquakes is called?
- (A) Ideograph
  - (B) Pantograph
  - (C) Ergo graph
  - (D) Seismograph
12. A multimeter is used to measure?
- (A) Current
  - (B) Voltage
  - (C) Resistance
  - (D) All of the above
13. Which of the following is used to split white light into different colours?
- (A) Glass slab
  - (B) Convex lens
  - (C) Concave lens
  - (D) Prism
14. Nuclear reactors used to produce electricity are based on?
- (A) Nuclear fission
  - (B) Nuclear fusion

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- (C) Cold fusion
  - (D) Superconductivity
15. Which one of the following instruments is used to study dispersion of light?
- (A) Microscope
  - (B) Telescope
  - (C) Spectrometer
  - (D) Photometer
16. A fountain pen works on the principle of?
- (A) Flow of liquids from higher to lower potential
  - (B) Capillary action
  - (C) Bernoulli's principle
  - (D) Viscosity of liquids
17. Pycnometer is an instrument used to measure the?
- (A) Density
  - (B) Intensity of solar radiation
  - (C) Intensity of earthquake
  - (D) High temperatures
18. Fiber optics work on the principle of?
- (A) Scattering of light
  - (B) Total internal absorption
  - (C) Total internal reflection
  - (D) Optical rotation
19. A decibel is?
- (A) A musical instrument
  - (B) The wavelength of noise
  - (C) A musical note
  - (D) A measure of sound level
20. Remote sensing device has an inbuilt source of?
- (A) X-ray
  - (B) Gray
  - (C) Ultraviolet ray
  - (D) Infrared ray
21. A device used for converting A.C. to D.C. is called?

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- (A) Transformer
- (B) Rectifier
- (C) Induction coil
- (D) Dynamo

22. Energy of ultraviolet rays is great then?

- (A) Infrared rays
- (B) Gamma rays
- (C) X-rays
- (D) Cosmic rays

23. The instrument used to measure the speed of the wind is?

- (A) Altimeter
- (B) Anemometer
- (C) Chronometer
- (D) Dosimeter

24. Who define the law of gravitation?

- (A) Newton
- (B) Archimedes
- (C) Galileo
- (D) Faraday

25. The metal used to make lightning conductors is?

- (A) Iron
- (B) Aluminum
- (C) Copper
- (D) Zinc

26. A hydrogen balloon floats up because of?

- (A) Air pressure decreases with decrease in height
- (B) Air pressure decreases with decreases in weight
- (C) Weight of the balloon is less than the weight of air
- (D) The pressure inside the balloon is more than the pressure outside it

27. Which one of the following lenses should be used to correct the defect of astigmatism?

- (A) Cylindrical lens
- (B) Concave lens
- (C) Convex lens
- (D) Bifocal lens

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28. In a laser (say neon laser) all the atoms emit the light waves of?  
(A) Same frequency  
(B) Same amplitude  
(C) Same phase  
(D) All of the above
29. Which of the following has got more heat capacity?  
(A) Iron piece  
(B) Water  
(C) Gold piece  
(D) Benzene
30. If the temperature of a place increases suddenly the relative humidity will?  
(A) Increases  
(B) Decreases  
(C) Remain constant  
(D) Fluctuates
31. What is the full form of AM regarding radio broadcasting?  
(A) Amplitude movement  
(B) Anywhere movement  
(C) Amplitude matching  
(D) Amplitude modulation
32. Which color is the complementary color of yellow?  
(A) Blue  
(B) Green  
(C) Orange  
(D) Red
33. During washing of clothes we use indigo due to its?  
(A) Better cleaning action  
(B) Proper pig mental composition  
(C) High glorious nature  
(D) Very low cost
34. The energy stored in a watch spring is?  
(A) Kinetic energy  
(B) Potential energy

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- (C) Heat energy
- (D) Chemical energy

35. The sensation of weightlessness in a spacecraft in an orbit is due to the?

- (A) Absence of gravity outside
- (B) Acceleration in the orbit which is equal to the acceleration due to gravity outside
- (C) Presence of gravity outside but not inside the spacecraft
- (D) fact that spacecraft in the orbit has no energy

36. Therm is the unit of?

- (A) Power
- (B) Heat
- (C) Light
- (D) Distance

37. Newton's first law of motion gives the concept of?

- (A) Energy
- (B) Work
- (C) Momentum
- (D) Inertia

38. A pond of water appears less deep due to?

- (A) Reflection
- (B) Diffraction
- (C) Refraction
- (D) Polarization

39. The oldest type of energy known to man is?

- (A) Wind power
- (B) Solar power
- (C) Tidal energy
- (D) Geothermal energy

40. Energy that is produced commercially from coal is called?

- (A) Light energy
- (B) Kinetic energy
- (C) Thermal energy
- (D) Potential energy

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41. We always see the same face of the moon because?  
(A) It is smaller than the earth  
(B) It revolves on its axis in a direction opposite to that of the earth  
(C) It takes equal time for revolution around the earth and rotation on its own axis  
(D) It rotates at the same speed as the earth around the sun
42. Water pipes in hilly area often burst on a cold frosty night because?  
(A) The material of which piped are made contracts due to cold and so breaks  
(B) Water in the pipes freezes and on freezing water expands so pipes break  
(C) Frost make the pipes rusty so the break  
(D) None of these
43. A parachute descends slowly whereas a stone dropped from the same height falls rapidly because?  
(A) Stone is heavier than parachute  
(B) Special mechanisms are present in parachute  
(C) A parachute has a larger surface area and air resistance is more  
(D) None of these
44. Which of the following instruments is used to measure humidity?  
(A) Kata thermometer  
(B) Anemometer  
(C) Sling psychomotor  
(D) Clinical thermometer
45. The type of mirrors used in the headlamp of cars is?  
(A) Parabolic concave  
(B) Plane  
(C) Spherical convex  
(D) Cylindrical convex
46. The reason for swimming pool to appear less deep than the actual depth is?  
(A) Refraction  
(B) Light scattering  
(C) Reflection  
(D) Interference
47. Alternating current into direct current by a?  
(A) Transformer

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- (B) Dynamo
- (C) Oscillator
- (D) Rectifier

48. Which of the following is most elastic?

- (A) Rubber
- (B) Wet clay
- (C) Steel
- (D) Plastic

49. When a person walking in bright sunlight enters a dark room he is not able to see clearly for a little while because?

- (A) The eye muscles cannot immediately adjust the focal length of the eye lens
- (B) The retina retains the bright images for sometimes and becomes momentarily insensitive
- (C) The iris is unable to contract the pupil immediately
- (D) The iris is unable to dilate the pupil immediately

50. The swing of a spinning cricket ball in air can be explained on the basis of?

- (A) Sudden change in wind direction
- (B) Buoyancy of air
- (C) Turbulence caused by wind
- (D) Bernoulli's theorem

51. Why two shirts can keep warmer than a single thick shirt in winter?

- (A) Two thin shirt become thicker so prevent transmission of heat
- (B) Air layer between two shirts works as good conductor
- (C) Air layer between two shirts behaves like insulating media
- (D) No radiation of heat takes place

52. Which layer of the earth's atmosphere reflect back the radio waves to the earth's surface?

- (A) Ionosphere
- (B) Stratosphere
- (C) Mesosphere
- (D) Exosphere

53. Sound cannot pass through?



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- (A) Water
- (B) Steel
- (C) Air
- (D) Vacuum

54. In a photocell light energy is converted into?

- (A) Potential energy
- (B) Chemical energy
- (C) Heat energy
- (D) Electrical energy

55. A storm is predicted of atmospheric pressure?

- (A) Rises suddenly
- (B) Rises gradually
- (C) Falls suddenly
- (D) Falls gradually

56. What should a person on a freely rotating turn table do to decrease his (angular) speed?

- (A) Bring his hands together
- (B) Raise his hands up
- (C) Spread his hands outwards
- (D) Sit down with raised hands

57. Which of the following celestial bodies contains abundant quantities of helium3 a potential source of energy?

- (A) Earth
- (B) Moon
- (C) Venus
- (D) Saturn

58. Smog is a combination of?

- (A) Air and water vapors
- (B) Water and smoke
- (C) Fire and water
- (D) Smoke and fog

59. Which of the following circuit elements is used to block DC in an electronic circuit?

- (A) Resistance
- (B) Capacitance

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- (C) Inductance
- (D) Diode

60. Spectacles used for viewing 3D films have?

- (A) Bifocal lens
- (B) Convex lens
- (C) Concave lens
- (D) Polaroid's

61. A boy sitting in an open car moving with the constant speed throws a ball straight up into the air. The ball falls?

- (A) Behind him
- (B) In front of him
- (C) Into his hand
- (D) By his side

62. The process involved in making soap is?

- (A) Saponification
- (B) Hydrolysis
- (C) Condensation
- (D) Polymerization

63. A kilowatt-hour is unit of?

- (A) Energy
- (B) Power
- (C) Electric charge
- (D) Electric current

64. Ventilations are provided near the ceiling of the room because?

- (A) The exhaled warmer air rises up and goes out
- (B) These provide cross ventilation in the room
- (C) These provide some sunlight in the room
- (D) These do not look nice in the lower part

65. The hair of a shaving brush clings together when removed from water due to?

- (A) Surface tension
- (B) Viscosity
- (C) Elasticity
- (D) Friction

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66. In severe winter in cold countries water pipe burst because?

- (A) Water expand on freezing
- (B) Contraction of water pipes
- (C) High atmospheric pressure
- (D) Combined effect of all the above three

67. In the process of magnetization of a bar?

- (A) The entire bulk of the bar gets magnetized
- (B) Only the surface of the bar gets magnetized
- (C) Only the ends of the bar gets magnetized
- (D) Only some parts of the outer layer of the bar gets magnetized

68. A falling drop of rain water acquires the spherical shape due to?

- (A) Viscosity
- (B) Surface tension
- (C) Atmospheric pressure
- (D) Gravitational force

69. The weakest of all fundamental force is?

- (A) Gravitational force
- (B) Electrostatic force
- (C) Magnetic force
- (D) Nuclear force

70. Velocity of sound in air does not change with the change of?

- (A) Temperature of air
- (B) Pressure of air
- (C) Moisture content in air
- (D) Wind in the direction of propagation of sound

71. The density of gas is maximum at?

- (A) Low temperature low pressure
- (B) Low temperature high pressure
- (C) High temperature low pressure
- (D) High temperature high pressure

72. Why is it difficult to breathe at higher altitudes?

- (A) Due to low air pressure
- (B) Due to low temperature
- (C) Due to ozone
- (D) Due to high humidity

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73. The strongest force in nature is?

- (A) Electrical force
- (B) Gravitational force
- (C) Nuclear force
- (D) Magnetic force

74. According to the theory of relativity which of the following alt ways remains constant?

- (A) Length of an object
- (B) Time
- (C) Space
- (D) Velocity of light

75. The spoon dropped by an astronaut in a satellite will?

- (A) Fall to the floor
- (B) remain stationary
- (C) Continue to follow the motion of the satellite
- (D) Move tangentially away

76. Pipelines in cold countries often burst in winter because?

- (A) Water freezes and expands in its volume
- (B) Temperature of ice is less than that of water
- (C) Pipelines contract in their volume
- (D) Pipelines expand due to freezing

77. When a body is taken from earth to moon?

- (A) Mass changes but weight remains same
- (B) Weight changes but mass remains same
- (C) Both weight and mass change
- (D) Both weight and mass remain same

78. A mirage occurs because of?

- (A) Reflection by hot ground
- (B) Total internal reflection by layers of air
- (C) Interference of light
- (D) Diffraction of light

79. Atomic power plant work son the principle of?

- (A) Fission
- (B) Fusion

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- (C) Thermal combustion
- (D) Combined effect of all the above three

80. Bolometer is used to measure?

- (A) Frequency
- (B) Temperature
- (C) Velocity
- (D) Wavelength

81. ATM stands for?

- (A) Automatic Teller Machine
- (B) Automated Teller Machine
- (C) Automatic Taller Machine
- (D) Automated Taller Mechanism

82. A person is hurt on kicking a stone due to?

- (A) Inertia
- (B) Velocity
- (C) Reaction
- (D) Momentum

83. The fuse in pure domestic electric circuit melts when there is a high rise in?

- (A) Inductance
- (B) Current
- (C) Resistance
- (D) Capacitance

84. Which of the following is an example for cantilever beam?

- (A) Diving board
- (B) Bridge
- (C) Seesaw
- (D) Common balance

85. UK it is difficult to cook rice?

- (A) At the top of a mountain
- (B) At the sea level
- (C) Under a mine
- (D) Same anywhere

86. A dynamo is a device which?

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- (A) Creates mechanical energy
- (B) Creates electrical energy
- (C) Converts mechanical energy into electrical energy
- (D) Converts electrical energy into mechanical energy

87. A soap bubble shows colours when illuminated with white light. This is due to?

- (A) Diffraction
- (B) Polarization
- (C) Interference
- (D) Reflection

88. The instrument used to see the distant objects on the Earth is?

- (A) Terrestrial telescope
- (B) Astronomical telescope
- (C) Compound microscope
- (D) Simple microscope

89. Global warming is expected to result in?

- (A) Increase in level of sea
- (B) Change in crop pattern
- (C) Change in coast line
- (D) All of the above

90. Which of the following liquids has the least density?

- (A) Fresh water
- (B) Salt water
- (C) Petrol
- (D) Mercury

91. Which of the following principle is used to produce low temperatures?

- (A) Superconductivity
- (B) Joule Kelvin effect
- (C) Thermoelectric effect
- (D) Adiabatic demagnetization

92. A photoelectric cell converts?

- (A) Mechanical energy to electric energy
- (B) Heat energy to mechanical energy
- (C) Light energy to chemical energy
- (D) Light energy to electrical energy

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93. Two stones of different masses are dropped simultaneously from the top of a building?

- (A) Smaller stone reaches the top of a building
- (B) Larger stone reaches the ground earlier
- (C) Both the stone reach the ground at the same time
- (D) None of these

94. The device used to change the speed of an electric fan is?

- (A) Amplifier
- (B) Regulator
- (C) Switch
- (D) Rectifier

95. Fog is an example of?

- (A) Gas dispersed in gas
- (B) Solid dispersed in gas
- (C) Solid dispersed in liquid
- (D) Solid dispersed in liquid

96. A concave lens always forms an image which is?

- (A) Real and erect
- (B) Virtual and erect
- (C) Real and inverted
- (D) Virtual and inverted

97. The modulus of rigidity is the ratio of?

- (A) Longitudinal stress to longitudinal strain
- (B) Volume stress to volume strain
- (C) Shearing stress to shearing strain
- (D) Tensile stress to tensile strain

98. The propagation of sound waves in a gas involves?

- (A) Adiabatic compression and rarefaction
- (B) Isothermal compression and rarefaction
- (C) Isochoric compression and rarefaction
- (D) Isobaric compression and rarefaction

99. Heat transfer horizontally within the atmosphere is called?

- (A) Conduction
- (B) Convection

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- (C) Absorption
- (D) Advection

100. Noise is measured in?

- (A) Watt
- (B) REM
- (C) Centigrade
- (D) Decibel

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Answer

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
D	C	A	C	C	C	B	B	B	D	D	D	D	A	C
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
B	A	C	D	D	B	A	B	A	C	C	A	D	B	B
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
D	A	B	B	B	B	D	C	D	C	C	B	C	C	A
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
A	D	C	D	C	C	A	D	D	C	C	B	D	B	D
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
A	A	A	A	A	A	A	B	A	B	B	A	C	D	C
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
A	B	B	A	B	A	C	B	B	A	C	C	A	D	C
91	92	93	94	95	96	97	98	99	100					
D	D	C	B	B	B	C	A	D	D					