

ZILLA PANCHAYATH, TUMKUR

OFFICE OF THE DEPUTY DIRECTOR PUBLIC INSTRUCTION, TUMKUR (D) DISTRICT.

CLASS -10

Max Marks – 40

CODE NO:83K/E

TIME ;1 Hour

MULTIPLE CHOICE QUESTION BASED PRACTICE PAPER- 1

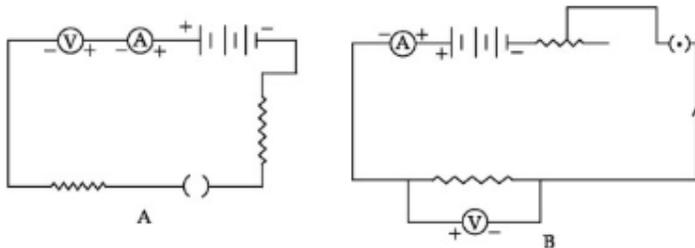
2020-21

Subject : science.

English medium

Four choices are given for each of the questions / incomplete statements choose the correct answer and shade the correct choice in the OMR given to you with blue or black ball point pen.

41. Identify the correct experimental setup for verification of Ohm's law



- A. A B. B C. A and B D. None of the above

42. A unit used to measure the flow of current is

- A. Watt B. Coulomb C. Volt D. Ampere

43. The energy transferred by a 100W electric bulb in 1 minute is

- A. 100 J B. 600 J C. 3600 J D. 6000 J

44. The potential difference across a 3Ω resistor is 6V. the current flow in the resistor will be

- A. $\frac{1}{2}$ A B. 1 A C. 2 A D. 6 A

45. When the diameter of a wire is doubled, its resistance becomes

- A. Double B. Four times C. One-half D. One-fourth

46. The rule which indicates the magnetic field in a current carrying straight conductor is

- A. Right hand thumb rule B. Fleming's Left-hand rule
C. Fleming's right-hand rule D. Screw rule

47. The magnetic field intensity inside a solenoid is

- A. Zero B. Medium C. Low D. High

48. The Part of a motor which change the direction of flow of current is

- A. Armature B. Brushes C. Split rings D. Magnets

49. The main component of biogas

- A. Methane B. Carbon dioxide C. Hydrogen D. Hydrogen sulphide

50 . Optimal wind speed for power generation from wind mills

- A. 5 km/hr B. 8 km/hr C. 15km/hr D. 25km/hr

51. Type of radiation responsible to form ozone layer is

- A. micro waves B. UV rays C. radio waves D. ultra sound

52. The method of using materials at homes less frequently or only as needed is

- A. Reuse B. Reduce C. Repurpose D. Recycling

53. By building khaddin embankments on flat terrain

- A .The water level decreases B .The water level increases
C .The plants in the submerged area willsuffer from excess moisture
D. Contaminated of Groundwater

54. The pH of fresh milk is 6. The pH value of the milk after its conversion into curd

- A. 6 B. Below 6 C. Above 7 D. 7

55. Acid present in honey bee bite

- A. Hydrochloric acid B. Methanoic acid
C. Nitric acid D. Hydro fluoric acid

56. The pH value of the solutions A, B, C and D is 2, 3, 4 and 5. respectively. Which one of these has more acidic property?

- A. Solution A B. Solution B C. Solution C D. Solution D

57. Descending order of reactivity of metals

- A. Fe > Zn > Al > Mg B. Zn > Fe > Al > Mg
C. Al > Mg > Fe > Zn D. Mg > Al > Zn > Fe

58. Example for amphoteric oxide

- A. Na₂O B. Al₂O₃ C. K₂O D. CuO

59. components used to fuse electrical wires

- A. Iron and cobalt B. Copper and tin C. Iron and Nickel D. Lead and tin

60. An example for unsaturated hydrocarbon is

- A. Ethyne B. Hexane C. Pentan D. Butane

61. The hydro carbon which undergoes addition reaction is

- A. C_2H_4 B. C_2H_6 C. C_3H_8 D. CH_4

62. The catalyst used in hydrogenation of plant oils

- A. Cobalt B. Iron C. Nickle D. Iodine

63. Carbon has the unique ability to form bonds with other atoms of carbon, giving rise to large molecules. This property is called

- A. Isomerism B. Allotropy C. Catenation D. Hydrogenation

64. Which of the following rule states that Properties of elements are a periodic function of their atomic number.

- A. Dobereiner's law of Triads B. Newlands' Law of Octaves
C. Mendeleev's Period Law D. Moseley's Modern Periodic Law

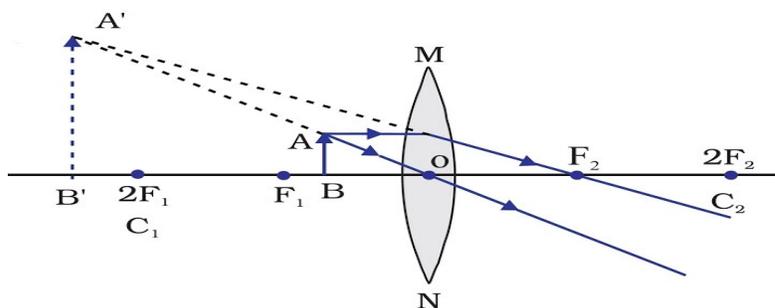
65. Period and group number of sodium element is

- A. 1, 3 B. 2, 4 C. 1, 2 D. 1, 4

66. Snell's law of refraction is true for angle

- A. $0 < i < 90^\circ$ B. $0 < i < 60^\circ$
C. $30 < i < 90^\circ$ D. $0 > i > 90^\circ$

67. Observe the picture, relative size and nature of the image formed is



- A. Highly diminished, real and inverted B. Enlarged, real and erect
C. Enlarged, virtual and erect D. Enlarged, real and inverted

68. Unit used to measure the power of a lens is

- A. Meter B. Dioptre C. Decible D. Degree

