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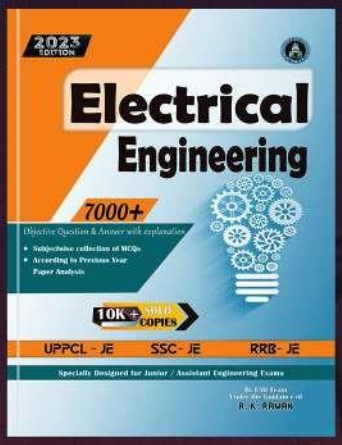

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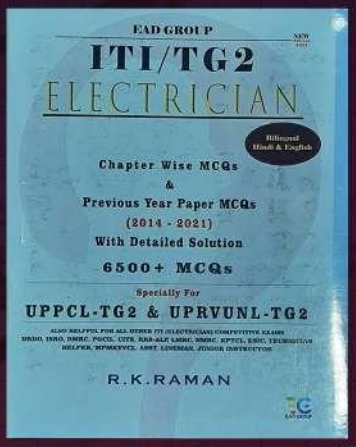

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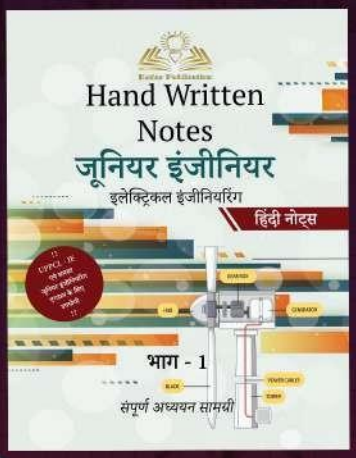

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Raman sir
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RRB Allahabad Asstt. Loco Pilot – Shift 1

1. Silver is a
   A. magnetic material
   B. good conductor of electricity
   C. bad conductor of electricity
   D. None of these
Ans. B
2. Which of the following is a mammal with wings to flight?
   A. Eagle B. Bat
   C. Baaz D. Parrot
Ans. B
3. Which of the following pulses is a Kharif crop?
   A. Gram B. Lentil
   C. Mung D. All of the above
Ans. C
4. A sum becomes Rs. 872 in 2 years 3 months at the rate of simple interest of 4 p.c.p.a. the principal is
   A. Rs. 750 B. Rs. 780
   C. Rs. 700 D. Rs. 800
Ans. D
5. Which of the following is not audible sound?
   A. 25Hz B. 200Hz
   C. 25000Hz D. 18000Hz
Ans. C
6. To stabilise the voltage of electricity supplied from the power house, the instrument used is
   A. Dynamo B. Transformer
   C. Ammeter D. Generator
Ans. B
7. When a beam of white light passes through a prism, the colour that undergoes the least deviation is
   A. Violet B. Indigo
   C. Red D. Green
Ans. C
8. In which of the following states, the Aptamis tribes live?
   A. Madhya Pradesh
   B. Orissa
   C. Jharkhand
   D. Arunachal Pradesh
Ans. D
9. The position of India in the world in respect to the territorial area is
   A. Tenth B. Fifth
   C. Seventh D. Eighth
Ans. C
10. Where is the Satpura ranges located?
   A. Jharkhand B. Madhya Pradesh
   C. Rajasthan D. Assam
Ans. B
11. Which of the following is a water soluble vitamin?
   A. Vitamin B B. Vitamin E
   C. Vitamin A D. Vitamin D
Ans. A
12. The International Institute of measurement is located in
   A. Paris B. London
   C. New York D. Japan
Ans. A
13. Which of the following is a chemical change?
   A. Iron filings
   B Evaporation of alcohol
   C. Freezing of ice
   D. Burning of coal
Ans. D
14. The value of 'g' will be maximum at
   A. Mt. Everest
   B. at the peak of Qutab Minar
   C. equator
   D. Antarctica
Ans. D
15. Which of the following is transmitted from one place to the other in form of waves?
   A. mass B. velocity
   C. wave length D. energy
Ans. D
16. The food is cooked faster in a pressure cooker because
   A. the pressure inside the cooker is less
   B. the pressure inside the cooker is more
   C. of the shape of cooker
   D. None of these
Ans. B

17. Article 370 of the Constitution relates to
A. Sikkim
B. Jammu and Kashmir
C. Assam
D. Nagaland
Ans. B
18. Who founded the Prarthana Samaj?
A. Raja Ram Mohan Roy
B. Dayanand Saraswati
C. Atmaram Pandurang
D. Keshav Chandra Sen
Ans. C
19. Solder is an alloy of
A. Copper and tin
B. Copper and aluminium
C. Lead and tin
D. None of these
Ans. C
20. What is the chemical name of Washing Soda?
A. Calcium carbonate
B. Calcium hypochlorite
C. Sodium carbonate
D. Sodium hydroxide
Ans. C
21. Water and alcohol are
A. fully soluble B. partly soluble
C. insoluble D. None of these
Ans. A
22. Which fertiliser is prepared by treating ammonia gas with dilute sulphuric acid?
A. Basic Calcium Nitrate
B. Urea
C. Calcium Ammonium Nitrate
D. Ammonium Sulphate
Ans. D
23. The velocity of particle is said to be uniform when
A. the magnitude of the velocity is constant
B. the direction of the velocity is constant
C. the magnitude and direction of the velocity are constant
D. None of these
Ans. C
24. If a sum trebles in five years, the rate of simple interest is
A. 50% B. 40%
C. 30% D. 45%
Ans. B
25. A conductor carried a current 0.2A. How many electrons will flow in 30 seconds if charge on one electron is 1.6×10^{-19}C?
A. 3.75×10^{19} B. 2.15×10^{17}
C. 1.75×10^{15} D. 3.75×10^{15}
Ans. A
26. The length and the breadth of a rectangle are in the ratio 5:4. The length is 20 metre more than the breadth. The perimeter of rectangle will be
A. 300m B. 260m
C. 360m D. 400m
Ans. C
27. The process of making oxides is
A. neutralisation B. oxidation
C. substitution D. reduction
Ans. B
28. The hardest material in the following is
A. glass B. iron
C. diamond D. wood
Ans. C
29. The D.D.T. is used as
A. insecticide B. fertiliser
C. medicine D. None of these
Ans. A
30. Soda water is a
A. suspension B. precipitate
C. colloid D. solution
Ans. D
31. Mahavir got kaivalya in
A. 610 BC B. 590 BC
C. 580 BC D. 498 BC
Ans. D
32. What is the major component of bones and teeth?
A. Calcium bicarbonate
B. Calcium magnesium
C. Calcium nitrate
D. Calcium phosphate
Ans. D

33. When vapour is passed on red hot coke, we get
A. Water gas B. Hydrogen
C. Nitrogen D. Carbon dioxide
Ans. A
34. Common salt is obtained from which mineral?
A. Azurite B. Pyrite
C. Haematite D. Halite
Ans. D
35. If steel is heated bright red hot and is then cooled slowly, the process is called
A. Annealing B. Quenching
C. Tempering D. Smelting
Ans. A
36. The pH of a neutral solution at 25°C is
A. 0 B. 1.0
C. 7.0 D. 14.0
Ans. C
37. Which of the following correctly represents ammonium carbonate?
A. NH_4CO_3 B. $(NH4)_2CO_3$
C. NH_4HCO_3 D. $NH_4(CO_3)_2$
Ans. B
38. Brass is an alloy of
A. copper and tin B. Copper and lead
C. copper and zinc D. zinc and tin
Ans. C
39. When sodium reacts with fluorine
A. the compound formed is a good conductor or electricity in the molten state
B. each fluorine atom loses one electron
C. each sodium atom gains one electron
D. a covalent bond is formed
Ans. A
40. Steam at 100°C causes more severe burns than water at the same temperature because
A. steam reacts faster than water with skin
B. steam is combustible
C. steam is a gas
D. steam can provide more heat
Ans. D
41. Which of the following has zero electron affinity in the periodic table?
A. Radium B. Oxygen
C. Nitrogen D. Radon
Ans. D
42. The mirror used in automobiles to see the rear field of view is
A. plane mirror B. convex mirror
C. concave mirror D. None of these
Ans. B
43. An object is at a distance of 5m from a convex mirror of focal length 10 cm. Where is the image formed?
A. 5.6 cm B. 6.4 cm
C. 8.8 cm D. 9.8 cm
Ans. D
44. How many bits does a byte consist?
A. 18 B. 1024
C. 8 D. 2
Ans. C

Directions (45-49): *In each of the following questions, a number series is given with one term missing. Choose the correct alternative that will continue the same pattern and fill in the blank spaces:*

45. 1, 6, 15, (….), 45, 66, 91
A. 25 B. 26
C. 27 D. 28
Ans. D
46. 0, 2, 8, 14, (….), 34
A. 24 B. 22
C. 20 D. 18
Ans. A
47. 2, 5, 9, (….), 20, 27
A. 14 B. 16
C. 18 D. 24
Ans. A
48. 1, 2, 3, 5, 8, (….).
A. 9 B. 11
C. 13 D. 15
Ans. C
49. 5, 9, 17, 29, 45, (….)
A. 60 B. 65
C. 68 D. 70
Ans. B

50. Natural frequency is independent of:
A. amplitude of oscillation
B. mass of the system
C. stiffness of the system
D. All of the above
Ans. D

51. Two charges separated by some finite distance give rise to:
A. an electromotive force
B. a force of attraction
C. an electric field
D. a magnetic field
Ans. C

52. Which one of the following materials is best conductor of electricity?
A. Aluminium B. Copper
C. Iron D. Zinc
Ans. B

53. Which one of the four alternatives is different from the other three?
A. Litre B. Volume
C. Metre D. Second
Ans. B

54. If a wire conductor of resistance 0.4 Ω is doubled in length, and cross-sectional area of its base remains same, its resistance becomes:
A. 0.1 Ω B. 0.2 Ω
C. 0.4 Ω D. 0.8 Ω
Ans. D

55. The factor responsible for charging of bodies is
A. Transfer of electrons
B. Transfer of neutrons
C. Transfer of protons
D. None of these
Ans. A

56. A carbon microphone is a variable:
A. inductance device
B. capacitance device
C. resistance device
D. None of these
Ans. A

57. Express the fraction $\frac{13}{125}$ as decimal.
A. 0.112 B. 0.104
C. 0.108 D. 0.116
Ans. B

58. Four men working together take 3 hours to paint wall. How much time would six men take to do the same job?
A. 4 hours B. 2 hours
C. 6 hours D. 8 hours
Ans. B

59. The sum of two numbers is 18 and sum of their squares is 164. Then the smaller of two numbers is
A. 10 B. 6
C. 8 D. 7
Ans. C

60. The principal which yields a simple interest of Rs. 90 at 6% per annum in 3 years is
A. Rs. 270 B. Rs. 500
C. Rs. 540 D. Rs. 720
Ans. B

61. Ashok bought a watch for Rs. 779 at a discount of 24% at the marked price. What is the marked price of the watch?
A. Rs. 990 B. Rs. 945
C. Rs. 1040 D. Rs. 1025
Ans. D

62. Ramesh has some pigeons and goats. If the number of animals is 59 and the number of their legs is 190. Then the number of goats is
A. 32 B. 36
C. 23 D. 63
Ans. B

Directions (63-64): *What will come at the place of question mark (?) in the following questions?*

63. 80 : 255 :: 624 : ?
A. 3125 B. 2400
C. 1295 D. 1196
Ans. C

64. 6, 9, 18, 21, 42, 45, ?
A. 90 B. 94
C. 96 D. 98
Ans. A

65. The Children's Day is celebrated on the birth day of
A. Mahatma Gandhi
B. J.L. Nehru
C. Indira Gandhi
D. Lal Bahadur Shastri
Ans. B

66. The important centre of Harsha Empire situated on the bank of the Ganges river is
A. Patliputra B. Varanasi
C. Allahabad D. Kannauj
Ans. D

67. Shahnama, written in persian, relates to which of the following emperors?
A. Mahmud Gazani
B. Babur
C. Akbar
D. Muhammad Gori
Ans. A

68. Khajuraho temples were built by
A. Chandellas B. Paramar
C. Pal D. Gupta
Ans. A

69. We get Qunain from
A. Eucalyptus tree
B. Cincona tree
C. Neem tree
D. None of these
Ans. B

70. The first Vice-President of independent India was
A. Dr. Zakir Hussain
B. Dr. S. Radhakrishnan
C. V.V. Giri
D. G.S. Pathak
Ans. B

71. For eligibility to the Lok Sabha, the minimum age limit of a candidate is
A. 20 years B. 30 years
C. 25 years D. 18 years
Ans. C

72. If a ball is thrown vertically upward, the acceleration due to gravity acts
A. downward
B. upward
C. at 45° to the north
D. at 45° to the south
Ans. A

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