Railway Recruitment Cell
Eastern Railway
56, C.R. Avenue
Kolkata – 700 012

No. RRC/ER/ALP/Departmental Quota/2024/Part-1 (344)   Dated: 26/11/2024

IMPORTANT NOTICE FOR CANDIDATES

Notification No. ER/CBT/01/2024(RUNNING) dated 22/05/2024

Sub: **Uploading of Final Answer Key for Computer Based Test (CBT) for the post of Assistant Loco Pilot (ALP) in Level-02 against 50% quota held on 19.09.2024 against Notification No. ER/CBT/01/2024(RUNNING) dated 22/05/2024**
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1.   The Computer Based Test (CBT) for the post of ALP in Level-02 against 50% quota against Notification No. ER/CBT/01/2024(RUNNING) dated 22/05/2024 was conducted by RRC-ER on **19.09.2024 (Thursday)** from 11:00 hrs. to 13:00 hrs.

2.   Based on the performance in the Computer Based Test (CBT) conducted on 19.09.2024 by RRC-ER for the said post, the list of candidates who has secured the minimum passing marks for the said CBT i.e. **60%** of the full marks with no relaxation for SC/ST (para 4.6 of notification no. ER/CBT/01/2024(RUNNING) dated 22/05/2024), has already been published on the website of RRC-ER (www.rrcer.org) vide notice no. RRC/ER/ALP/Departmental Quota/2024(333) dated 28/10/2024.

3.   In order to ensure greater transparency in the examination system, and in the interest of the candidates, the RRC-ER is uploading the **Question Paper** and the **Final Answer key** for the said examination on the website of the RRC-ER (www.rrcer.org). The evaluation of the CBT for the said post was based on this Final Answer Key.

4.   The Question Paper for the Computer Based Test (CBT) for the post of ALP in Level-02 against 50% quota against Notification No. ER/CBT/01/2024(RUNNING) dated 22/05/2024 is enclosed with this notice as **Annexure – A** and the Final Answer Key for the said examination is enclosed with this notice as **Annexure – B.**

5.   **No representation from the candidates on the Final Answer Key will be entertained by RRC-ER.**

6.   Candidates are advised to keep checking the notice board of the website of RRC-ER (www.rrcer.org) for further information.

DA: Annexure – A
      Annexure - B

Sd/-
Chairperson
Railway Recruitment Cell
Eastern Railway/ Kolkata

Eastern Railway

ALP(PRQ) CBT Question Paper
against notification no. ER/CBT/01/2024(RUNNING) dated 22.05.2024

Exam Date : 19/09/2024   Exam Timing : 11:00 AM - 1:00 PM
Exam Name : ALP

1. The convicted criminal absconded prior to the sentencing phase of the trial. Absconded means_____ [Question ID: ALP1]

    1. Touched the jury.
    2. Reported immediately.
    3. Left after discussion.
    4. Departed secretly.

2. Fill the blank with the appropriate word: He feels that his rise in _____ is well worth the loss of money. [Question ID: ALP2]

    1. Situation
    2. Environment
    3. Status
    4. Circumstance

3. Find the word which has the same meaning as 'cleave'. [Question ID: ALP3]

    1. Big
    2. Cut
    3. Little
    4. Green

4. Advarb of the given noun "Education". [Question ID: ALP4]

    1. Educational
    2. Educated
    3. Educationally
    4. Educate

5. Which of the following word means to recede back? [Question ID: ALP5]

    1. Come
    2. Forward
    3. Retreat
    4. Move

6. Select the right antonym of the word 'amicable'. [Question ID: ALP6]

1. Grumpy
2. Friendly
3. Pleasant
4. Affable

7. He fired his assistant for accessing his files without his ___. What word is appropriate for the blank? [Question ID: ALP7]

   1. Consensus
   2. Contempt
   3. Consent
   4. Concede

8. Select the right word which means 'something huge'. [Question ID: ALP8]

   1. Collusion
   2. Behemoth
   3. Trivial
   4. Piety

9. Choose the word which means the opposite of 'quench'. [Question ID: ALP9]

   1. Parch
   2. Douse
   3. Extinguish
   4. Smother

10. Fill in the blanks with appropriate Conjunctions: _____ the boy was beaten badly, he left the institute. [Question ID: ALP10]

    1. If
    2. Since
    3. And
    4. Though

11. Full form of TRS department is? [Question ID: ALP11]

    1. Traction Running Stock
    2. Traction Rolling System
    3. Traction Review system
    4. Traction Rolling Stock

12. Full form of HRMS is? [Question ID: ALP12]

    1. Human Resource Multiple System
    2. Human Resource Management System
    3. Human Railway Management System
    4. Human Railway Mechanical System

13. Full form of BPC is? [Question ID: ALP13]

    1. Brake Pipe Cock

2. Brake Pipe Chain
3. Brake Piston Certificate
4. Brake Power Certificate

14. Full form of HRA is.? [Question ID: ALP14]

  1. Home Rent Allowed
  2. House Rent Allowance
  3. House released Allowance
  4. House Rate Allowance

15. Full form of ADRM is? [Question ID: ALP15]

  1. Assistant Divisional Railway Manager
  2. Additional Divisional Railway Manager
  3. Allied Divisional Railway manager
  4. None of these

16. Full form of MACP is? [Question ID: ALP16]

  1. Maximum Allowed Career Progression
  2. Maximum Assured Career Progression
  3. Modified Assured Career Progression
  4. Minimum Assured Career Progression

17. Which of the following category does not come under "Running Staff". [Question ID: ALP17]

  1. Loco Pilot
  2. Train Manager
  3. ALP
  4. TTE

18. Name of the roof equipment of Locomotive which collects electric current from overhead wire is? [Question ID: ALP18]

  1. TRD
  2. Pantograph
  3. Transformer
  4. Insulator

19. Maximum Railway Track in India is [Question ID: ALP19]

  1. Meter gauge
  2. Standard gauge
  3. Narrow Gauge
  4. Broad Gauge

20. Which of the following train is used for transportation of Foods grains? [Question ID: ALP20]

  1. Mail train
  2. Goods Train
  3. Parcel Train
  4. EMU

21. Rohit had 7 pages of his book left to read. There were 100 pages in total. What percentage of pages did he have left? [Question ID: ALP21]

    1. 70%
    2. 7%
    3. 97%
    4. 93%

22. Half percent written as a decimal is? [Question ID: ALP22]

    1. 0.05
    2. 0.005
    3. 0.2
    4. 0.002

23. If a parallelogram circumscribes a circle, then it is a: [Question ID: ALP23]

    1. Square
    2. Rectangle
    3. Rhombus
    4. Rhomboid

24. '0.023 lies between [Question ID: ALP24]

    1. 0.2 and 0.3
    2. 0.02 and 0.03
    3. 0.03 and 0.029
    4. 0.026 and 0.024

25. The factorization of 12x + 36 can be written as? [Question ID: ALP25]

    1. 12(x + 3)
    2. 12(3x)
    3. 12(3x + 1)
    4. x(12 + 36x)

26. The sum of exterior angles of a polygon is equal to [Question ID: ALP26]

    1. 180°
    2. 360°
    3. 540°
    4. 720°

27. Maximum no of right angle possible in a right angled triangle is ? [Question ID: ALP27]

    1. 2
    2. 1
    3. 3
    4. 0

28. Angle measuring more than 90° and less than 180° is called as? [Question ID: ALP28]

1. Acute angle
2. Right angle
3. Solid angle
4. Obtuse angle

29. Area of a right triangle is 54 cm². If one of its legs is 12 cm long, its perimeter is [Question ID: ALP29]

1. 18 cm
2. 27 cm
3. 36 cm
4. 40 cm

30. Circumference of a circle of diameter 10 cm is [Question ID: ALP30]

1. 3.14 cm
2. 11 cm
3. 31.4 cm
4. 15.7 cm

31. Average age of 5 people is 42 years. Another group has 8 people who have average age of 81 years. When both groups are mixed what is average age of all people? [Question ID: ALP31]

1. 64 years
2. 66 years
3. 61.5 years
4. 70 years

32. The average of three numbers is 77. The first number is twice the second and the second number is twice the third. Find the first number. [Question ID: ALP32]

1. 33
2. 66
3. 77
4. 132

33. Average age of A and B is 30 years, that of B and C is 32 years and the average age of C and A is 34 years. The age of C is? [Question ID: ALP33]

1. 33 years
2. 34 years
3. 35 years
4. 36 years

34. D and E are the midpoints of side AB and AC of a triangle ABC, respectively and BC = 6 cm. If DE ∥ BC, then the length (in cm) of DE is: [Question ID: ALP34]

1. 2.5
2. 3
3. 5
4. 6

35. In 4 years the simple interest on certain sum of money is 9/25 of the principal. The annual rate of interest is? [Question ID: ALP35]

1. 4%
2. 4(1/2)%
3. 9%
4. 10%

36. What will be the value of 1 x 0.3 x 0.01 x 0.003? [Question ID: ALP36]

1. 0.000009
2. 0.000027
3. 0.00009
4. 0.00003

37. A's salary is 50% more than B's. How much percent is B's salary less than A's? [Question ID: ALP37]

1. 33(1/4)%
2. 33(1/3)%
3. 33(1/2)%
4. 33%

38. 5% of 5% of Rs. 100 is? [Question ID: ALP38]

1. Rs. 0.25
2. Rs. 0.50
3. Rs. 10
4. Rs. 25

39. The circumference of a circle with radius 10 cm is: [Question ID: ALP39]

1. 5π cm
2. 10π cm
3. 20π cm
4. 40π cm

40. Corresponding sides of two similar triangles are in the ratio of 2:3. If the area of the small triangle is 48 sq.cm, then the area of large triangle is: [Question ID: ALP40]

1. 230 sq.cm.
2. 107 sq.cm.
3. 108 sq.cm.
4. 109 sq.cm.

41. The formula, R = (R1R2) / (R1 + R2) represents – [Question ID: ALP41]

1. Series connection
2. Parallel connection
3. Bridge connection
4. Linear connection

42. Which one of the following is not a scalar quantity? [Question ID: ALP42]

1. Volume
2. Mass
3. Force
4. Length

43. Power Loss in a resistor is given by: [Question ID: ALP43]

1. $P = V^2R$

2. $P = V/I$

3. $P = I^2/R$

4. $P = V^2/R$

44. Bulbs in street lighting are all connected in [Question ID: ALP44]

1. Parallel
2. Series
3. Series parallel
4. End of end

45. How much energy does a 100W electrical bulb transfer in 1 minute? [Question ID: ALP45]

1. 100 J
2. 600 J
3. 3600 J
4. 6000 J

46. An electric fuse works on the [Question ID: ALP46]

1. chemical effect of current.
2. magnetic effect of current.
3. heating effect of current.
4. lighting effect of current.

47. In which case the matter intermolecular force is stronger? [Question ID: ALP47]

1. Solid
2. Liquid
3. Gas
4. Plasma

48. The pitch of a sound is basically determined by its [Question ID: ALP48]

1. Amplitude
2. Frequency
3. Speed
4. Speed and amplitude

49. Speed of sound depends upon [Question ID: ALP49]

1. Temperature of the medium

2. Pressure of the medium
3. Temperature of source producing sound
4. Temperature and pressure of medium

50. The filament of incandescent bulbs is made of [Question ID: ALP50]

    1. Nichrome
    2. Copper
    3. Iron
    4. Tungsten

51. We see an identical image of the object in the mirror because of [Question ID: ALP51]

    1. Reflection
    2. Refraction
    3. Dispersion
    4. Diffraction

52. We are able to walk on the ground because of [Question ID: ALP52]

    1. Friction
    2. Gravitation
    3. Rotation
    4. Combination of gravity and Rotation

53. Which of the following is not a unit of temperature? [Question ID: ALP53]

    1. Fahrenheit
    2. Pascal
    3. Celsius
    4. Kelvin

54. A particle is moving in a circular path of radius r. The displacement after half a circle would be: [Question ID: ALP54]

    1. Zero
    2. πr
    3. 2r
    4. $2\pi r$

55. If the potential difference across the ends of a conductor is doubled, the current flowing through it gets [Question ID: ALP55]

    1. halved.
    2. triple.
    3. one-fourth.
    4. double.

56. The rate of doing work is called power. The unit of power is [Question ID: ALP56]

    1. Ampere
    2. Volt
    3. Kelvin

4. Watt

57. A water tank filled upto 2/3 of its height is moving with a uniform speed. On sudden application of the brake, the water in the tank would [Question ID: ALP57]

    1. Move backward
    2. Move forward
    3. Come to the rest
    4. Be unaffected

58. The seat belts are provided in the cars so that if the car stops suddenly due to an emergency braking, the persons sitting on the front seats are not thrown forward violently and saved from getting injured. Can you guess the law due to which a person falls in forward direction on the sudden stopping of the car? [Question ID: ALP58]

    1. Newton's first law of motion
    2. Newton's second law of motion
    3. Newton's third law of motion
    4. Newton's law of gravitation

59. Unit used for measuring the sound is – [Question ID: ALP59]

    1. Decibel
    2. Hertz
    3. Ohm
    4. Volt

60. Tachometer is used for- [Question ID: ALP60]

    1. R.P.M.
    2. Torque
    3. Rotational kinetic energy
    4. Distance

61. A wire of resistance R1 is cut into five equal pieces. These five pieces of wire are then connected in parallel. If the resultant resistance of this combination is R2, then the ratio of R1/R2 is [Question ID: ALP61]

    1. 1/25
    2. 1/5
    3. 5
    4. 25

62. When a compressed spring is released, it converts its potential energy into- [Question ID: ALP62]

    1. Mechanical energy
    2. Wind power
    3. Elastic potential energy
    4. Kinetic energy

63. The strength of the magnetic field produced by the current-carrying solenoid is [Question ID: ALP63]

1. inversely proportional to the current flowing through the solenoid.
2. directly proportional to the current flowing through the solenoid.
3. parallel to the current flowing through the solenoid.
4. Proportional to the square of the current flowing through the solenoid.

64. The product of mass and velocity is called: [Question ID: ALP64]

1. Buoyancy force
2. momentum
3. pressure
4. force

65. In the force equation F is equal to- [Question ID: ALP65]

1. ma
2. mgh
3. mv
4. u + at

66. While applying Fleming's right-hand rule the middle finger of right hand indicates [Question ID: ALP66]

1. the direction of magnetic field.
2. the direction of rotation of conductor.
3. the direction of current being flown.
4. the direction of induced current.

67. The famous law of motion is given by- [Question ID: ALP67]

1. Dalton
2. Newton
3. Galileo
4. Thomson

68. Rocket launching is based on which law? [Question ID: ALP68]

1. Newton's third law of motion
2. Newton's first law of motion
3. Thermodynamic law
4. All of Newton's laws of motion

69. Work known as- [Question ID: ALP69]

1. Force × displacement
2. Mass × acceleration
3. Length × width
4. Mass × volume

70. Which of the following can be measured temperature without touching to object? [Question ID: ALP70]

1. Infrared thermometer
2. Filled system thermometer

3. Mercury glass thermometer
4. Bimetalic strip thermometer

71. Odometer in vehicle measures – [Question ID: ALP71]

    1. Fuel
    2. Distance
    3. Smell
    4. Speed

72. If the angle between the incident ray and the reflected ray is 110°, the angle of reflection is [Question ID: ALP72]

    1. 40°
    2. 55°
    3. 45°
    4. 60°

73. What does a hygrometer measure? [Question ID: ALP73]

    1. Heat
    2. Humidity
    3. Force
    4. Radiation

74. The nucleus of an atom generally, contains- [Question ID: ALP74]

    1. Protons and Neutrons
    2. Protons and Electrons
    3. Electrons and Neutrons
    4. Only Neutrons

75. Bats can fly during the night because they produce [Question ID: ALP75]

    1. Ultrasonic waves
    2. Sound waves
    3. Ultra violet waves
    4. Infra-red waves

76. Lux is the SI unit of [Question ID: ALP76]

    1. Illuminance
    2. Luminous efficiency
    3. Luminous flux
    4. Luminous intensity

77. If the incident ray and the reflected ray from a mirror are mutually perpendicular to each other, then the angle of incidence is. [Question ID: ALP77]

    1. 45°
    2. 55°
    3. 65°
    4. 75°

78. If the focal length of a concave mirror is 18 cm, its radius of curvature will be [Question ID: ALP78]

   1. 30 cm
   2. 35 cm
   3. 40 cm
   4. 36 cm

79. S.I. unit of weight is - [Question ID: ALP79]

   1. Kilogram
   2. Newton
   3. Gram
   4. Dyne

80. Unit of power in industry is – [Question ID: ALP80]

   1. Kilowatt
   2. Watt
   3. Joule
   4. Horsepower

81. CWM is the administrative head of which unit? [Question ID: ALP81]

   1. Division
   2. Depot
   3. Workshop
   4. Shed

82. DRM is the administrative head of which unit? [Question ID: ALP82]

   1. Division
   2. Depot
   3. Workshop
   4. Shed

83. How many Division is available in Eastern Railway? [Question ID: ALP83]

   1. 2
   2. 5
   3. 3
   4. 4

84. Zonal Head Quarter office of Easter Railway is located at? [Question ID: ALP84]

   1. Sealdah
   2. Fairlie Place
   3. Howrah
   4. Koilaghat

85. In Eastern Railway POH of EMU rake has been done in? [Question ID: ALP85]

   1. Kanchrapara Workshop

2. Liluah Workshop
3. Jamalpur Workshop
4. CLW

86. Departmental Head of Engineering dept. in any Zonal Railway is? [Question ID: ALP86]

1. PCEE
2. PCE
3. PCME
4. PCOM

87. At Divisional Level Station Masters are work under? [Question ID: ALP87]

1. Sr.DOM
2. Sr.DEN
3. Sr.DSC
4. Sr.DEE

88. At Divisional Level Loco Pilots are Work under? [Question ID: ALP88]

1. Sr.DOM
2. Sr.DEN
3. Sr.DSC
4. Sr.DEE (OP)

89. RDSO is Located at? [Question ID: ALP89]

1. Delhi
2. Lucknow
3. Nasik
4. Jamalpur

90. At Divisional Level Appointment, Promotion and other Establishment Matters look after by? [Question ID: ALP90]

1. Sr.DFM
2. Sr.DPO
3. Sr.DMM
4. Sr.DSC

91. Paternity Leave is available for how many days? [Question ID: ALP91]

1. 15 days
2. 20 days
3. 35 days
4. 10 days

92. How many days LHAP is credited in every 6 months? [Question ID: ALP92]

1. 15 days
2. 20 days
3. 5 days
4. 10 days

93. During service How many times Leave encashment can be done? [Question ID: ALP93]

    1. 5 times
    2. 6 times
    3. 10 times
    4. 8 times

94. How many days CL is permitted to Open Line staff of Eastern Railway? [Question ID: ALP94]

    1. 8 days
    2. 9 days
    3. 10 days
    4. 12 days

95. How many Set PTO is provided to Railway employee in a calendar year? [Question ID: ALP95]

    1. 2 Set
    2. 3 Set
    3. 4 Set
    4. 6 Set

96. Gazetted Officers are entitled for how many sets privilege Pass in Indian Railways? [Question ID: ALP96]

    1. 3 Set
    2. 4 Set
    3. 6 Set
    4. 5 Set

97. Maximum How many person can be included in a privilege Pass without attendant? [Question ID: ALP97]

    1. 2 person
    2. 5 person
    3. No Limit
    4. 3 person

98. Which standard form is issued for Major Penalty? [Question ID: ALP98]

    1. SF-5
    2. SF-11
    3. SF-6
    4. SF-2

99. Which standard form is issued for Minor Penalty? [Question ID: ALP99]

    1. SF-5
    2. SF-11
    3. SF-6
    4. SF-2

100. Railway service conduct Rule, 1966 is applicable to [Question ID: ALP100]

1. Only Group-C
2. Only Group-D employee
3. Only Group-A & B employee
4. All Railway employee.

101. What is the Official Language of the Union of India? [Question ID: ALP101]

    1. Hindi in Devnagari Script
    2. Sanskrit Devnagari Script
    3. Hindi in Hindi language
    4. None of these

102. When is 'Hindi Day' celebrated every year? [Question ID: ALP102]

    1. 16th January
    2. 21st February
    3. 15th April
    4. 14th September

103. When was the Official Language Rules passed? [Question ID: ALP103]

    1. 1973
    2. 1963
    3. 1965
    4. 1976

104. How many Articles are there in Part XVII of the Constitution? [Question ID: ALP104]

    1. 8
    2. 9
    3. 10
    4. 28

105. Who was the First Chairman of the Committee which was formed on the recommendation of the Official Language Commission? [Question ID: ALP105]

    1. Ram Jiban
    2. Shri. G.B.Pant
    3. Chowdhury Charan singh
    4. Bal Gangadhar Kher

106. The state arunachal pradesh falls under _____ region of official language? [Question ID: ALP106]

    1. Region A
    2. Region B
    3. Region C
    4. Region D

107. How many Hindi courses are prescribed for Central Govt. employees? [Question ID: ALP107]

    1. One

2. Two
3. Three
4. Four

108. How many members are there in the Parliamentary Committee on Official Language? [Question ID: ALP108]

   1. 10
   2. 20
   3. 30
   4. 40

109. Which Committee reviews the progress made in the propagation of Hindi in a particular Ministry/Department? [Question ID: ALP109]

   1. Hindi Salahkar Samiti
   2. Hindi Parisadiya samite
   3. Official language parisadiya samite
   4. Official language parliamentry samite

110. How many Lok Sabha members are there in the Committee of Parliament on Official Language? [Question ID: ALP110]

   1. 10
   2. 20
   3. 30
   4. 40

Final Answer Key of Computer Based Test (CBT) for the post of Assistant Loco Pilot (ALP) in Level-02 against 50% promotional quota
Notification No. ER/CBT/01/2024 (RUNNING) dated 22/05/2024

Question No.	Question Id	Revised and Final correct Alternative
1	ALP1	4
2	ALP2	3
3	ALP3	2
4	ALP4	3
5	ALP5	3
6	ALP6	1
7	ALP7	3
8	ALP8	2
9	ALP9	1
10	ALP10	2
11	ALP11	4
12	ALP12	2
13	ALP13	4
14	ALP14	2
15	ALP15	2
16	ALP16	3
17	ALP17	4
18	ALP18	2
19	ALP19	4
20	ALP20	2
21	ALP21	2
22	ALP22	2
23	ALP23	3
24	ALP24	2
25	ALP25	1
26	ALP26	2
27	ALP27	2
28	ALP28	4
29	ALP29	3
30	ALP30	3
31	ALP31	2
32	ALP32	4
33	ALP33	4
34	ALP34	2
35	ALP35	3

Question No.	Question Id	Revised and Final correct Alternative
36	ALP36	1
37	ALP37	2
38	ALP38	1
39	ALP39	3
40	ALP40	3
41	ALP41	2
42	ALP42	3
43	ALP43	4
44	ALP44	1
45	ALP45	4
46	ALP46	3
47	ALP47	1
48	ALP48	2
49	ALP49	1
50	ALP50	4
51	ALP51	1
52	ALP52	1
53	ALP53	2
54	ALP54	3
55	ALP55	4
56	ALP56	4
57	ALP57	2
58	ALP58	1
59	ALP59	1
60	ALP60	1
61	ALP61	4
62	ALP62	4
63	ALP63	2
64	ALP64	2
65	ALP65	1
66	ALP66	4
67	ALP67	2
68	ALP68	1
69	ALP69	1
70	ALP70	1
71	ALP71	2
72	ALP72	2
73	ALP73	2
74	ALP74	1
75	ALP75	1
76	ALP76	1

Question No.	Question Id	Revised and Final correct Alternative
77	ALP77	1
78	ALP78	4
79	ALP79	2
80	ALP80	4
81	ALP81	3
82	ALP82	1
83	ALP83	4
84	ALP84	2
85	ALP85	1
86	ALP86	2
87	ALP87	1
88	ALP88	4
89	ALP89	2
90	ALP90	2
91	ALP91	1
92	ALP92	4
93	ALP93	2
94	ALP94	3
95	ALP95	3
96	ALP96	3
97	ALP97	2
98	ALP98	1
99	ALP99	2
100	ALP100	4
101	ALP101	1
102	ALP102	4
103	ALP103	4
104	ALP104	2
105	ALP105	2
106	ALP106	3
107	ALP107	4
108	ALP108	3
109	ALP109	1
110	ALP110	2

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