

(RRB) Railway Recruitment Board Exam – 2008

Solved Paper Question paper

- 1. When a ray of light passes from an optically denser medium to a rarer medium, it**
- (a) Remains undeviated (b) Bends towards normal (c) Bends away from normal (d) None of these**
- 2. Who is the author of "Anandmath" ?**
- (a) Rabindranath Tagore (b) Bankim chandra Chattopadhyaya (c) Sarojini Nayadu (d) Jyotiba Phule**
- 3. Thimpu is the capital of -**
- (a) Nepal (b) Bhutan (c) Thailand (d) Myanmar**
- 4. The time period of a seconds pendulum is**
- (a) 1 second (b) 4 seconds (c) 3 seconds (d) 2 seconds**
- 5. The nuclear fuel in the sun is**
- (a) Helium (b) Uranium (c) Hydrogen (d) Oxygen**
- 6. The second's hand of a watch is 2 cm long. The velocity of its tip is**
- (a) 0.21 cm/sec. (b) 2.1 cm/sec. (c) 21 cm/sec. (d) None of these**
- 7. In diesel engine, ignition is caused by**
- (a) Spark (b) Automatic starter (c) Compression (d) Friction**
- 8. The mass-energy equivalence, relationship  $E = mc^2$  was propounded by**
- (a) Max Plank (b) Einstein (c) Newton (d) Hertz**
- 9. The filament of bulb is made of**

**(a) Tungsten (b) Iron**

**(c) Nichrome (d) Carbon**

**10. Anti-knocking can be lessened by**

**(a) Iso Octane (b) N Heptane**

**(c) TEL (d) Benzene**

**11. In which of the following oxidation shows a positive oxidation state.**

**(a) CO (b) N<sub>2</sub>O**

**(c) NO (d) F<sub>2</sub>O**

**12. Which of the following is used in photography?**

**(a) Silver Bromide (b) Sodium Bromide**

**(c) Potassium Chloride (d) Sodium Sulphate**

**13. Which of the following is used in accumulator cell?**

**(a) Copper (b) Iron**

**(c) Lead (d) Zinc**

**14. Choose the wrong statement :**

**(a) Single magnetic poles can exist**

**(b) Magnetic poles are always of equal strength**

**(c) Like poles repel each other**

**(d) None of these**

**15. Laws of electrolysis are given by:**

**(a) Farady (b) Maxwell**

**(c) Lenz (d) Bohr**

**16. Flemings left hand rule is used to fine out:**

**(a) Direction of magnetic field due to flow of current**

**(b) Direction of induced current due to effect of magnetic field**

**(c) Direction of motion of a current carrying conductor in magnetic**

**field**

**(d) None of these**

**17. The pH of a neutral solution at 25°C is :**

**(a) 0 (b) 1.0**

**(c) 7.0 (d) 1.4**

**18. The raw material used for the manufacture of Portland cement is :**

**(a) Limestone and clay (b) Alumina, clay and gypsum**

**(c) Gypsum and limestone (d) Gypsum and clay**

**19.  $\text{CaOCl}_2$  is the chemical formula for a compound commonly known as : (a) Soda Ash (b) Lime**

**(c) Bleaching Powder (d) Plaster of Paris**

**20. The glass used for making laboratory apparatus is : (a) Pyrex glass (b) Hard glass**

**(c) Soft glass (d) Safety glass**

**21. The iron produced in blast furnace is :**

**(a) Pig iron (b) Wrought iron**

**(c) Stainless steel (d) Steel**

**22. Formation is a 40% solution of :**

**(a) Methanol (b) Methanal**

**(c) Methanoic acid (d) None of these**

**23. Which of the following is not an ore of aluminum :**

**(a) Cryolite (b) Feldspar**

**(c) Bauxite (d) Azurite**

**24. Rhombic monoclinic and plastic sulphur are:**

**(a) Isomers (b) Isotopes**

**(c) Allotropes (d) Hydrides of sulphur**

**25. The alkaline hydrolysis of**

**oils or fats gives soap and :**

- (a) Glycerol (b) Ethenol**
- (c) Glycol (d) Ethanoic acid**

**26. The sight of a delicious food usually makes month watery. It is a :**

- (a) Hormonal response (b) Neural response**
- (c) Optic response (d) Olfactory response**

**27. Nitrogen fixing bacteria are normally found in :**

- (a) Parasitic plants (b) Epiphytic plants**
- (c) Leguminous plants (d) Aquatic plants**

**28. Powdery mildew of wheat is caused by:**

- (a) Bacteria (b) Virus**
- (c) Fungi (d) Protozoans**

**29. Septic sore throat is caused by :**

- (a) Bacteria (b) Virus**
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**30. A person of blood group AB can give blood to :**

- (a) 'A' and 'B' (b) Only 'AB'**
- (c) 'A', 'B' and 'O' (d) All of these**

**31. Cell activities are controlled by :**

- (a) Chloroplast (b) Nitochondria**
- (c) Cytoplasm (d) Nucleus**

**32. Which of the following helps eye to adjust the focal length of the eye lens :**

- (a) Cornea (b) Conjunctiva**
- (c) Ciliary body (d) Iris**

**33. When pollen of a flower is transferred to the stigma of the same**

**plant, pollination type is referred to as :**

- (a) Autogamy (b) Allogamy**
- (c) Xenogamy (d) Geitonogamy**

**34. Respiration is a :**

- (a) Catabolic process (b) Anabolic process**
- (c) Both of these (d) None of these**

**35. The structural and functional unit of kidneys are :**

- (a) Neurons (b) Nephrons**
- (c) Medula (d) None of these**

**36. Which of the following enzymes is generally not present in adult human :**

- (a) Renin (b) Pepsin**
- (c) Trypsin (d) Amylopsin**

**37. The part of the plant which is responsible for carrying water and solutes from roots to various parts of plants is :**

- (a) Phloem (b) Xylem**
- (c) Duodenum (d) Sclercids**

**38. 'Widal test' is used for susceptibility of :**

- (a) Malaria (b) Typhoid**
- (c) Cholera (d) Yellow fever**

**39. Exchange of gases in plants takes place through :**

- (a) Stomata (b) Lenticels**
- (c) Cuticle (d) All of these**

**40. 'Lieutenant' in army is equivalent to following rank in navy :**

- (a) Lieutenant (b) Sub Lieutenant**
- (c) Lieutenant Commander (d) None of these**

**41. Pankaj Advani is associated with :**

- (a) Snooker (b) Golf  
(c) Shooting (d) Archery
42. Which city in the world is known as the forbidden city :  
(a) Aberdeen (b) Jerusalem  
(c) Mecca (d) Lhasa
43. Rajeev Gandhi Khel Ratna Award carries a sum of :  
(a) Rs. 3 lakns (b) Rs. 5 lakhs  
(c) Rs. 1 lakh (d) Rs. 7 lakhs
44. Who is known as 'Nightingale of India' :  
(a) Asha Bhonsle (b) Begum Akhtar  
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(a) Kaziranga National Park (b) Qutab Minar  
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(a) Lead (b) Ebonite  
(c) Charcoal (d) Lac
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(a) Blue (b) Yellow  
(c) Magenta (d) Yellow and Magenta
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(a) 60 m/sec. (b) 0.61 m/sec.  
(c) 60 ft/sec. (d) 0.61 km/sec.
49. Henry is a unit of  
(a) Capacity (b) Magnetic field

**(c) Inductance (d) Frequency**

**50. The velocity of rotation of Earth is**

**(a) 28 km/min (b) 30 km/min**

**(c) 25 km/min (d) 39.5 km/min**

**51. What is Hubble?**

**(a) Warship (b) Star**

**(c) Telescope (d) Missile**

**52. Which acid is normally found in lemon and grape fruits?**

**(a) Citric acid (b) Tartaric acid**

**(c) Ascorbic acid (d) Lactic acid**

**53. At which temperature Fahrenheit and Celsius show same reading?**

**(a) -400 (b) 00**

**(c) -574.250 (d) 2730**

**54. Limestone is metamorphosed to form**

**(a) Graphite (b) Quartz**

**(c) Granite (d) Marble**

**55. Rift valley is formed by**

**(a) Earthquake (b) Folding**

**(c) Faulting (d) All of these**

**56. If a piece of ice at 00C is mixed with water at 00C, then**

**(a) Whole ice melts (b) Some ice melts**

**(c) No ice melts (d) Temperature decreases**

**57. Mettur Dam is built on the river**

**(a) Krishna (b) Cauvery**

**(c) Narmada (d) Mahanadi**

**58. Mahendra Giri peak is situated in the**



**(a) Eastern Ghats (b) Western Ghats**

**(c) Shiwaliks (d) Vindhya**

**59. In what time a sum will double itself at 20% per annum rate of interest?**

**(a) 2 years (b) 3 years**

**(c) 4 years (d) 5 years**

**60. The famous Dilwara Temple is situated in**

**(a) Madhya Pradesh (b) Maharashtra**

**(c) Gujarat (d) Rajasthan**

**61. Pneumonia affects**

**(a) Lungs (b) Tongue**

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**62. The chemical name of Vitamin A is**

**(a) Retinol (b) Thiamin**

**(c) Biotin (d) Riboflavin**

**63. A 130m long train crosses a bridge in 30 seconds at 45 kmph. The length of the bridge is**

**(a) 200m (b) 225m**

**(c) 245m (d) 250m**

**64. By selling an article at some price a person gains 10%. If the article is sold at twice of the price, the gain percent will be**

**(a) 20% (b) 60%**

**(c) 100% (d) 120%**

**65. Atoms are electrically charged as**

**(a) Positive (b) Negative**

**(c) Bi-positive (d) Neutral**

**66. Ionic bond exists in**

**(a) KCl (b) H<sub>2</sub>O**

**(c) NH<sub>3</sub> (d) Cl<sub>3</sub>**

**67. Which force is required to increase the momentum of an object to 40 kg m/s in 5 seconds?**

**(a) 2N (b) 4N**

**(c) 8N (d) 10N**

**68. The river that does not form delta is**

**(a) Mahanadi (b) Tapi**

**(c) Krishna (d) Cauvery**

**69. The ratio of the radius and height of a cone is 5 : 12, respectively. Its volume is 23147cc. Find its slant height.**

**(a) 13cm (b) 14cm**

**(c) 17cm (d) 26cm**

**70. 27 students took part in a debate of a college. What is the probability that at least 3 of them have their birth days in the same month?**

**(a) 3/27 (b) 3/12**

**(c) 12 (d) 1**

**71. Who was the first winner of Dada Saheb Phalke Award?**

**(a) B.N.Sarkar (b) Prithvi Raj Kapoor**

**(c) Devika Rani (d) Kanan Devi**

**72. How many members are nominated by the President in the Rajya Sabha?**

**(a) 12 (b) 15**

**(c) 10 (d) 20**

**73. Who was the founder of Brahmo Samaj?**

**(a) Raja Rammohan Roy (b) Aurobindo Ghosh**

**(c) Vivekanand (d) Dyanand Saraswati**

**74. The Parliamentary System in India has been taken from**

**(a) America (b) Britain**

**(c) Australia (d) Ireland**

**75. The electric supply in India was first started in**

**(a) Kolkata (b) Chennai**

**(c) Mumbai (d) Darjeeling**

**76. Bhatnagar Prize is given in the field of**

**(a) Peace (b) Music and dance**

**(c) Science & technology (d) Fine arts**

**77. Who discovered the solar system?**

**(a) Copernicus (b) Kepler**

**(c) Aryabhatta (d) Newton**

**78. The Nobel Prize in Economics was started in**

**(a) 1901 (b) 1936**

**(c) 1957 (d) 1967**

**79. In India, the second largest in**

**(a) Bengali (b) Urdu**

**(c) Telugu (d) Marathi**

**80. The first Asian Games were held in**

**(a) Manila (b) Tokyo**

**(c) Jakarta (d) New Delhi**

**81. The Islam was established in**

**(a) 7th A.D. (b) 5th A.D.**

**(c) 3rd B.C. (d) 5th B.C.**

**82. The Olympic Games 2012 will be held in**

**(a) Moscow (b) Paris**

**(c) New York (d) London**

**83. The main factor of air pollution is**

**(a) Lead (b) Copper**

**(c) Zinc (d) Gold**

**84. The bauxite ore is found in**

**(a) Musabani (b) Karnapura**

**(c) Koderma (d) Palamu**

**85. The first fertilizer plant in India was established in**

**(a) Trombay (b) Nangal**

**(c) Alwaye (d) Sindri**

**86. Which of the following had strong navy?**

**(a) Bahmani (b) Chalukya**

**(c) Chola (d) Rashtrakuta**

**87. The last king of Maurya Dynastry was**

**(a) Brihdarth (b) Kunal**

**(c) Samprati (d) Salishuk**

**88. How will the image formed by a convex lens be affected if the central part of the lens is covered by black paper?**

**(a) Remaining part of the lens will form no image**

**(b) The central position of the image is absent**

**(c) There will be no effect**

**(d) The full image will be formed with lessened brightness**

**89. The force between two parallel wires conducting current is used to define**

**(a) Ampere (b) Coulomb**

**(c) Volt (d) Newton**

**90. A body is thrown vertically upward and it reaches 10m high.**

**Find the velocity with which the body was thrown? ( $g = 9.8 \text{ m/s}$ )**

**(a) 10 m/sec. (b) 18 m/sec.**

**(c) 14 m/sec. (d) 7 m/sec.**

**91. The buoyancy depends on the**

**(a) Depth of the fluid (b) Density of the fluid**

**(c) Volume of the fluid (d) Weight of the fluid**

**ANSWERS**

**1. (c) 2. (b) 3. (b) 4. (d) 5. (c) 6. (a) 7. (c) 8. (b) 9. (a) 10. (a) 11. (d) 12.**

**(a)**

**13. (c) 14. (a) 15. (a) 16. (c) 17. (c) 18. (b) 19. (c) 20. (a) 21. (a) 22. (b)**

**23. (d) 24. (c) 25. (a) 26. (d) 27. (c) 28. (c) 29. (a & b) 30. (b) 31. (d)**

**32. (c) 33. (a) 34. (a) 35. (b) 36. (a) 37. (b) 38. (b) 39. (d) 40. (b) 41. (a)**

**42. (d) 43. (b) 44. (c) 45. (d) 46. (a) 47. (d) 48. (b) 49. (c) 50. (a) 51. (c)**

**52. (a) 53. (a) 54. (d) 55. (c) 56. (c) 57. (b) 58. (a) 59. (d) 60. (d) 61. (a)**

**62. (a) 63. (c) 64. (d) 65. (d) 66. (a) 67. (c) 68. (b) 69. (a) 70. (c) 71. (c)**

**72. (a) 73. (a) 74. (b) 75. (d) 76. (c) 77. (a) 78. (d) 79. (c) 80. (d) 81. (a)**

**82. (d) 83. (a) 84. (d) 85. (d) 86. (c) 87. (a) 88. (d) 89. (a) 90. (c) 91. (b)**



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**(c) NH<sub>3</sub> (d) Cl<sub>3</sub>**

**67. Which force is required to increase the momentum of an object to 40 kg m/s in 5 seconds?**

**(a) 2N (b) 4N**

**(c) 8N (d) 10N**

**68. The river that does not form delta is**

**(a) Mahanadi (b) Tapi**

**(c) Krishna (d) Cauvery**

**69. The ratio of the radius and height of a cone is 5 : 12, respectively. Its volume is 23147cc. Find its slant height.**

**(a) 13cm (b) 14cm**

**(c) 17cm (d) 26cm**

**70. 27 students took part in a debate of a college. What is the probability that at least 3 of them have their birth days in the same month?**

**(a) 3/27 (b) 3/12**

**(c) 12 (d) 1**

**71. Who was the first winner of Dada Saheb Phalke Award?**

**(a) B.N.Sarkar (b) Prithvi Raj Kapoor**

**(c) Devika Rani (d) Kanan Devi**

**72. How many members are nominated by the President in the Rajya Sabha?**

**(a) 12 (b) 15**

**(c) 10 (d) 20**

- 73. Who was the founder of Brahma Samaj?**  
**(a) Raja Rammohan Roy (b) Aurobindo Ghosh**  
**(c) Vivekanand (d) Dyanand Saraswati**
- 74. The Parliamentary System in India has been taken from**  
**(a) America (b) Britain**  
**(c) Australia (d) Ireland**
- 75. The electric supply in India was first started in**  
**(a) Kolkata (b) Chennai**  
**(c) Mumbai (d) Darjeeling**
- 76. Bhatnagar Prize is given in the field of**  
**(a) Peace (b) Music and dance**  
**(c) Science & technology (d) Fine arts**
- 77. Who discovered the solar system?**  
**(a) Copernicus (b) Kepler**  
**(c) Aryabhatta (d) Newton**
- 78. The Nobel Prize in Economics was started in**  
**(a) 1901 (b) 1936**  
**(c) 1957 (d) 1967**
- 79. In India, the second largest in**  
**(a) Bengali (b) Urdu**  
**(c) Telugu (d) Marathi**
- 80. The first Asian Games were held in**  
**(a) Manila (b) Tokyo**  
**(c) Jakarta (d) New Delhi**
- 81. The Islam was established in**  
**(a) 7th A.D. (b) 5th A.D.**  
**(c) 3rd B.C. (d) 5th B.C.**



- 82. The Olympic Games 2012 will be held in**  
**(a) Moscow (b) Paris**  
**(c) New York (d) London**
- 83. The main factor of air pollution is**  
**(a) Lead (b) Copper**  
**(c) Zinc (d) Gold**
- 84. The bauxite ore is found in**  
**(a) Musabani (b) Karnapura**  
**(c) Koderma (d) Palamu**
- 85. The first fertilizer plant in India was established in**  
**(a) Trombay (b) Nangal**  
**(c) Alwaye (d) Sindri**
- 86. Which of the following had strong navy?**  
**(a) Bahmani (b) Chalukya**  
**(c) Chola (d) Rashtrakuta**
- 87. The last king of Maurya Dynastry was**  
**(a) Brihdarth (b) Kunal**  
**(c) Samprati (d) Salishuk**
- 88. How will the image formed by a convex lens be affected if the central part of the lens is covered by black paper?**  
**(a) Remaining part of the lens will form no image**  
**(b) The central position of the image is absent**  
**(c) There will be no effect**  
**(d) The full image will be formed with lessened brightness**
- 89. The force between two parallel wires conducting current is used to define**  
**(a) Ampere (b) Coulomb**

**(c) Volt (d) Newton**

**90. A body is thrown vertically upward and it reaches 10m high.**

**Find the velocity with which the body was thrown? ( $g = 9.8 \text{ m/s}$ )**

**(a) 10 m/sec. (b) 18 m/sec.**

**(c) 14 m/sec. (d) 7 m/sec.**

**91. The buoyancy depends on the**

**(a) Depth of the fluid (b) Density of the fluid**

**(c) Volume of the fluid (d) Weight of the fluid**

### **ANSWERS**

**1. (c) 2. (b) 3. (b) 4. (d) 5. (c) 6. (a) 7. (c) 8. (b) 9. (a) 10. (a) 11. (d) 12.**

**(a)**

**13. (c) 14. (a) 15. (a) 16. (c) 17. (c) 18. (b) 19. (c) 20. (a) 21. (a) 22. (b)**

**23. (d) 24. (c) 25. (a) 26. (d) 27. (c) 28. (c) 29. (a & b) 30. (b) 31. (d)**

**32. (c) 33. (a) 34. (a) 35. (b) 36. (a) 37. (b) 38. (b) 39. (d) 40. (b) 41. (a)**

**42. (d) 43. (b) 44. (c) 45. (d) 46. (a) 47. (d) 48. (b) 49. (c) 50. (a) 51. (c)**

**52. (a) 53. (a) 54. (d) 55. (c) 56. (c) 57. (b) 58. (a) 59. (d) 60. (d) 61. (a)**

**62. (a) 63. (c) 64. (d) 65. (d) 66. (a) 67. (c) 68. (b) 69. (a) 70. (c) 71. (c)**

**72. (a) 73. (a) 74. (b) 75. (d) 76. (c) 77. (a) 78. (d) 79. (c) 80. (d) 81. (a)**

**82. (d) 83. (a) 84. (d) 85. (d) 86. (c) 87. (a) 88. (d) 89. (a) 90. (c) 91. (b)**