

RRC HAJIPUR GROUP 'D' EXAM

HELD ON : 03.06.2012 ♦ BASED ON MEMORY

- Who is the first Indian to be awarded Bharat Ratna ?
 - Dr. S. Radhakrishnan
 - Mahatma Gandhi
 - Pandit Jawaharlal Nehru
 - Dr. Rajendra Prasad
- The average age of r boys in a class is a years. If the average age of s of them is b years, then the average age of the remaining boys is :
 - $\frac{(ra - sb)}{(r - s)}$
 - $\frac{(sa - rb)}{(r - s)}$
 - $\frac{(ra + sb)}{(r - s)}$
 - $\frac{(ra - sb)}{(r + s)}$
- Jharkhand does not share boundary with :
 - West Bengal
 - Odisha
 - Chhattisgarh
 - Madhya Pradesh
- Indian Army's main battle tank is :
 - Angara
 - Sheetal
 - Arjun
 - None of these
- $1024 \times 976 = ?$
 - 998904
 - 999624
 - 999804
 - 999424
- $5.8 \times 2.5 + 0.6 \times 6.75 + 139.25 = ?$
 - 157.30
 - 157.80
 - 158.40
 - 160.30
- Irwin Pact was signed in the year _____.
 - 1930 A.D.
 - 1931 A.D.
 - 1928 A.D.
 - 1935 A.D.
- A train 360 m long is running at a speed of 45 km/hr. In what time will it pass a bridge 140 m long ?
 - 40 sec
 - 42 sec
 - 45 sec
 - 48 sec
- Which is the one that does not belong to this group ?
 - Ear
 - Eye
 - Nose
 - Throat
- The ratio between the length and the perimeter of a rectangular plot is 1 : 3. What is the ratio between the length and breadth of the plot ?
 - 1 : 2
 - 2 : 1
 - 3 : 2
 - Data inadequate
- Which number is missing in the given number series ?
125, 80, 45, 20, ?
 - 5
 - 8
 - 10
 - 12
- The chief constituent of gobar gas is
 - methane
 - ethane
 - propane
 - chlorine
- Late Bismillah Khan played :
 - Shehnai
 - Sarod
 - Sitar
 - Tabla
- A flying aeroplane has :
 - only potential energy
 - only kinetic energy
 - both potential and kinetic energy
 - None of these
- Pointing to a person, a man said to a woman, "His mother is the only daughter of your father". How was the woman related to the person ?
 - Aunt
 - Mother
 - Wife
 - Daughter
- Which of the following rivers has the largest basin ?
 - Congo
 - Amazon
 - Nile
 - Ganga
- Canterbury are temperate grassland in :
 - South Africa
 - Australia
 - New Zealand
 - Japan
- Which state has the largest length of roads ?
 - Uttar Pradesh
 - Maharashtra
 - Andhra Pradesh
 - Bihar
- Find the wrong number in the series :
93, 309, 434, 498, 521, 533
 - 309
 - 434
 - 498
 - 521
- Which gas is used in atomic research and radiotherapy ?
 - Neon
 - Radon
 - Propane
 - Xenon
- Westerlies are the winds blowing over
 - Polar regions
 - Land to sea during night and sea to land during the day
 - In different directions depending upon the season
 - Between 30° - 60° north and south latitudes of the equator
- The Governor General of India who initiated the introduction of English in India was :
 - Lord Curzon
 - Lord Macaulay
 - Lord Bentinck
 - Lord Dalhousie
- Who was known as Sister Nivedita ?
 - Annie Beasant
 - Margaret Nobel
 - Sarojini Naidu
 - None of these
- By selling an article for Rs. 144 a man losses $\frac{1}{7}$ of his outlay. By selling it for Rs. 108, his gain or loss percent is :
 - 20% loss
 - 20% gain
 - $4\frac{1}{6}$ % gain
 - None of these

25. Find the wrong number in the series :

380, 188, 92, 48, 20, 8, 2

- (1) 8 (2) 20
(3) 48 (4) 188

26. Where is the zonal Headquarters of East Central Railway located ?

- (1) Patna (2) Hajipur
(3) Gorakhpur
(4) Sonapur

27. Indian standard time is associated with :

- (1) $82\frac{1}{2}^{\circ}$ east longitude
(2) 180° west longitude
(3) 95° east longitude
(4) 90° west longitude

28. Choose the one which is different from the others in the group :

- (1) 49 (2) 63
(3) 77 (4) 81

29. Baichung Bhutia is associated with which game ?

- (1) Boxing (2) Football
(3) Cricket (4) Wrestling

30. If 15th October of a year was Saturday, what will be the day on 27th October of the same month ?

- (1) Monday
(2) Tuesday
(3) Wednesday
(4) Thursday

31. The capital of Denmark is :

- (1) Copen Hagen
(2) Odense
(3) Albarg
(4) Randers

32. Indian state with the largest electorate is :

- (1) Bihar
(2) Uttar Pradesh
(3) Karnataka
(4) Rajasthan

33. Which of the following countries does not fall under the Far East group of countries ?

- (1) China
(2) Taiwan
(3) South Korea
(4) Myanmar

34. Who gave the slogan 'Aaram Haram Hai' ?

- (1) Mahatma Gandhi
(2) Jawaharlal Nehru
(3) Lal Bahadur Shastri
(4) Sardar Patel

35. The temples at Halebid and Belur were built by :

- (1) Cholas (2) Hoysalas
(3) Kakatiyas (4) Pallavas

36. Which of the following layers of the earth is believed to have the heaviest mineral materials of highest density ?

- (1) Central core
(2) Crust
(3) Mantle
(4) Both (2) and (3)

37. A man is facing north - west. He turns 90° in the clockwise direction and then 135° in the anti clockwise direction. Which direction is he facing now ?

- (1) East (2) West
(3) North (4) South

38. Where is Cochin International Airport located at ?

- (1) Kochi (2) New Delhi
(3) Pune (4) Calicut

39. If SUMMER is coded as RUNNER, the code for WINTER will be :

- (1) SUITER (2) VIOUER
(3) WALKER (4) SUFFER

40. Who has played the lead role in the film 'Singham' ?

- (1) Ranveer Singh
(2) Ajay Devgan
(3) Sahid Kapoor
(4) Salman Khan

41. Lock jaw i.e., difficulty in opening the mouth is a symptom of:

- (1) plague
(2) tetanus
(3) cholera
(4) None of these

42. The heaviest mass revolving round the sun is :

- (1) Moon
(2) Jupiter
(3) Neptune
(4) Pluto

43. A school always has _____
Choose the best alternative.

- (1) Principal (2) Building
(3) Library (4) Teacher

44. The difference between the place values of 8 in the numeral 6283481 is :

- (1) 0 (2) 83400
(3) 79920 (4) 753

45. When was the constitution of India first amended after adoption ?

- (1) 1954 AD (2) 1959 AD
(3) 1950 AD (4) 1951 AD

46. The Lal Quila of Delhi was built by the famous Mughal Emperor :

- (1) Akbar (2) Aurangzeb
(3) Shahjahan
(4) Jahangir

47. A man sells his typewriter at 5% loss. If he sells it for Rs. 80 more, he gains 5%. The cost price of the type writer is :

- (1) Rs. 1600 (2) Rs. 1200
(3) Rs. 1000 (4) Rs. 800

48. Which of the following is the largest delta in India ?

- (1) Delta of Ganga - Brahmaputra river
(2) Delta of Indus river
(3) Delta of Mahanadi
(4) Delta of Godavari river

49. The average of marks scored by the students of a class is 68. The average of marks of the girls in the class is 80 and that of boys is 60. What is the percentage of boys in the class ?

- (1) 40% (2) 60%
(3) 65% (4) 70%

50. The Indus Valley Civilisation site of Harappa is situated in which of the following country ?

- (1) India
(2) Bangladesh
(3) Pakistan
(4) Afghanistan

51. Rita told Mani, "The girl I met yesterday at the beach was the youngest daughter of the brother - in - law of my friends mother." How is the girl related to Rita's friend ?

- (1) Cousin (2) Daughter
(3) Niece (4) Friend

52. Choose the best alternative
Hong Kong : China :: Vatican : ?
(1) Rome (2) Mexico
(3) Canada
(4) Christianity
53. The total number of Tirthankara according to Jainism are
(1) 18 (2) 26
(3) 14 (4) 24
54. The thin foils of which metal are used to decorate sweets ?
(1) Aluminium
(2) Silver
(3) Zinc
(4) Copper
55. The founder of Maghal Empire was :
(1) Akbar (2) Babar
(3) Humayun
(4) None of these
56. Which of the following is the high milk yielding variety of cow ?
(1) Jamunapari
(2) Murrah
(3) Holstein
(4) Kathiyabari
57. Which is an improved variety of wheat ?
(1) Lerma Roja
(2) Ganga 101
(3) Jaya
(4) Padma
58. Who in February 2012 was the Union Minister of Rural Development of India ?
(1) Sri Dinesh Trivedi
(2) Sri Praful Patel
(3) Sri Jairam Ramesh
(4) Kumari Selja
59. A car is running at a speed of 108 kmph. What distance will it cover in 15 seconds ?
(1) 45 metres
(2) 55 metres
(3) 450 metres
(4) Cannot be determined
60. A gene is a :
(1) sleep inducing drug
(3) a kind of vitamin
(2) unit of heredity
(4) a type of body cell
61. Which of the following is not a prime number ?
(1) 31 (2) 61
(3) 71 (4) 91
62. Deciduous tree are those :
(1) that grow up straight
(2) that grow plenty in dry places
(3) that never bear fruits
(4) that shed their leaves during a certain season
63. Heart attack is caused due to :
(1) blood sugar
(2) cholesterol
(3) blood protein
(4) blood urea
64. Choose the best alternative
Oasis : Sand :: Island : ?
(1) River (2) Sea
(3) Water (4) Waves
65. Mahatma Gandhi was born in the year
(1) 1861 A.D. (2) 1869 A.D.
(3) 1889 A.D. (4) 1897 A.D.
66. Rocket Fabrication Facility, Thumba, is located at :
(1) Kerala
(2) Andhra Pradesh
(3) Tamil Nadu
(4) Karnataka
67. The Supreme Court was set up under:
(1) Pitt's India Act
(2) Regulating Act
(3) Indian Councils Act, 1861 AD
(4) Indian Councils Act, 1892 AD
68. What is the approximate equatorial circumference of the Earth ?
(1) 30,000 km
(2) 35,000 km
(3) 40,000 km
(4) 45,000 km
69. Kalhana's Rajatarangini is a history of Kashmir in Sanskrit verse written in the :
(1) 11th century
(2) 12th century
(3) 13th century
(4) 14th century
70. Bodies which usually fall from the sky on the Earth are called:
(1) Comets (2) Meteors
(3) Rock
(4) None of these
71. Mosque of Jamali Kamali was built in :
(1) 1528 AD (2) 1640 AD
(3) 1550 AD (4) 1600 AD
72. The mirror used in automobiles to see the rear field of view is
(1) concave (2) convex
(3) plane
(4) None of these
73. $(37.1\% \text{ of } 480) - (2\% \text{ of } 280) - (12\% \text{ of } 322)$
(1) 37.6 (2) 39.6
(3) 49.8 (4) 52.4
74. $(0.9\% \text{ of } 450) \div (0.2\% \text{ of } 250) = ?$
(1) 5.04 (2) 7.5
(3) 8.1 (4) 9.1
75. When SO_2 dissolves in water the acid formed is :
(1) Sulphuric acid
(2) Sulphurous acid
(3) Sulphonic acid
(4) None of these
76. Impulse is :
(1) a scalar quantity
(2) a vector quantity
(3) neither a scalar nor a vector
(4) sometimes a scalar and sometimes a vector
77. The largest part of the human brain is the :
(1) medulla oblongata
(2) cerebellum
(3) cerebrum
(4) midbrain
78. The first Field Marshal of India was :
(1) A. Vaidya
(2) K.M. Cariappa
(3) Sunder ji
(4) S.H.F.J. Manekshaw
79. Heavy river project (Talchar) and fertilizer plant (Paradeep) are famous industries of :
(1) Odisha
(2) Tamil Nadu
(3) Andhra Pradesh
(4) Kerala

80. Teesta forms a part of which major river system ?

- (1) Ganga (2) Krishna
(3) Cauvery
(4) Brahmaputra

81. A sum of Rs. 1600 gives a simple interest of Rs. 252 in 2 years and 4 months. The rate of interest per annum is :

- (1) 6% (2) $6\frac{1}{4}$ %
(3) $6\frac{1}{2}$ % (4) $6\frac{3}{4}$ %

82. $1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{7} + \frac{1}{14} + \frac{1}{28}$ is equal to

- (1) 2 (2) 2.5
(3) 3 (4) 3.5

83. BCG vaccine provides protection from :

- (1) emphysema
(2) pneumonia
(3) polio
(4) tuberculosis

84. Suva is the capital of :

- (1) Mauritius (2) Fiji
(3) Sweden (4) Argentina

85. The Theosophical Society has its international headquarters at :

- (1) Adyar
(2) Brindavan
(3) Geneva
(4) New York

86. The law which defines force is :

- (1) Newton's third law of motion
(2) Newton's first law of motion
(3) Newton's second law of motion
(4) Newton's law of gravitation

87. The capital at Sikkim is :

- (1) Gangtok (2) Kohima
(3) Imphal (4) Shillong

88. The green colour of leaves is due to the presence of :

- (1) metallic ions
(2) haemoglobin
(3) iron
(4) chlorophyll

89. Who was the first woman to win the Jnanpith award ?

- (1) Ashapurna Devi
(2) Jhumpa Lahiri
(3) Mahadevi Verma
(4) None of these

90. The transport fleet of Air force consists of :

- (1) IL-76s
(2) BOEING-737
(3) AN - 32s
(4) All of these

91. What is the minimum age prescribed for a candidate for election of Vice President of India ?

- (1) 31 years
(2) 35 years
(3) 25 years
(4) 21 years

92. Arrange in proper chronological order :

- I. Harshavardhana
II. Samudragupta
III. Chandragupta I
IV. Rajendra Chola I
(1) I, II, III, IV
(2) III, II, I, IV
(3) II, IV, III, I
(4) II, III, I, IV

93. The world's highest hydel power project 'Rongtong' is located in :

- (1) Rangoon
(2) Kathmandu
(3) Himachal Pradesh
(4) Beijing

94. Which period of ancient Indian history is called the Golden Age of ancient India ?

- (1) The rule of Mauryan dynasty
(2) The rule of Gupta dynasty
(3) The rule of Nanda dynasty
(4) The rule of Satavahana dynasty

95. Growing two or more crops but in definite row pattern is known as :

- (1) intercropping
(2) crop rotation
(3) mixed farming
(4) mixed cropping

96. Which one of the following is not a device of Public opinion ?

- (1) Press
(2) Political parties
(3) Cinema
(4) Judiciary

97. $\frac{\sqrt{288}}{\sqrt{128}} = ?$

- (1) $\frac{\sqrt{3}}{2}$ (2) $\frac{2}{\sqrt{3}}$
(3) $\frac{3}{2}$ (4) $\sqrt{\frac{3}{2}}$

98. Which is the one that does not belong to this group ?

- (1) Uncle (2) Nephew
(3) Brother (4) Cousin

99. Who was also known as Siddhartha ?

- (1) Mahavir
(2) Sankaracharya
(3) Ashoka
(4) Buddha

100. All decisions of the state executive are taken in the name of :

- (1) Governor
(2) Minister of State
(3) Cabinet Minister
(4) MLC

101. Who was the first woman president of UN General Assembly ?

- (1) Mrs. Vijayalakshmi Pandit
(2) Mrs. Sucheta Kripalani
(3) Mrs. Sarojini Naidu
(4) Rajkumari Amrit Kaur

102. The currency of South Africa is :

- (1) Won (2) Kyat
(3) Rand (4) Lira

103. Which of the following ports does not have a natural harbour ?

- (1) Kochi
(2) Mumbai
(3) Madras
(4) Vishakhapatnam

104. Find the wrong number in the series :

- 121, 143, 165, 186, 209
(1) 143 (2) 165
(3) 186 (4) 209

105. Who became the first acting Prime Minister of India ?

- (1) Lal Bahadur Shastri
(2) Gulzarilal Nanda
(3) Charan Singh
(4) None of these
106. Which number is 60% less than 80?
(1) 48 (2) 42
(3) 32 (4) 12
107. Who is the author of the book 'Crime and Punishment'?
(1) Fyodor Dostoevsky
(2) Mark Twain
(3) Leo Tolstoy
(4) Victor Hugo
108. Which is the one that does not belong to this group?
(1) Ring (2) Ornament
(3) Necklace (4) Bangle
109. Who is the first law officer of Government of India?
(1) Law Minister
(2) Speaker of Lok Sabha
(3) Attorney General of India
(4) None of these
110. Which number is missing in the given number series?
2, 3, 3, 5, 10, 13, ?, 43, 172, 177
(1) 23 (2) 38
(3) 39 (4) 40
111. Which number is missing in the given number series?
120, 99, 80, 63, 48, ?
(1) 35 (2) 38
(3) 39 (4) 40
112. Which planet of the solar system spins on its axis at the fastest rate?
(1) Mercury (2) Earth
(3) Jupiter (4) Saturn
113. 'Panchayat Samiti' is constituted at:
(1) City level
(2) Block level
(3) Village
(4) For a group of villages
114. Which Veda deals with medicine?
(1) Rig Veda
(2) Atharva Veda
(3) Yajur Veda
(4) Sama Veda

115. Which is the national animal of India?
(1) Panther (2) Tiger
(3) Cow (4) Lion
116. What does IRCON stands for.
(1) Indian Railway Construction Company Limited
(2) Indian Railway Container Company Limited
(3) Indian Railway Consultancy Company Limited
(4) Indian Railway Catering Company Limited
117. What was the name of the first Atom bomb dropped over Hiroshima by the USA?
(1) Fat Boy (2) Little Boy
(3) Fat Man (4) Little Man
118. A book always has _____. Choose the best alternative.
(1) Chapters (2) Pages
(3) Contents (4) Pictures
119. Which country has the biggest Economy of the world?
(1) USA (2) Japan
(3) China (4) Brazil
120. Between which cities the first Rajdhani Express train was run?
(1) New Delhi - Mumbai
(2) New Delhi - Howrah
(3) New Delhi - Chennai
(4) New Delhi - Lucknow
121. The ratio of Laxmi's age to the age of her mother is 3 : 11. The difference between their ages is 24 years. The ratio of their ages after 3 years will be:
(1) 1 : 3 (2) 2 : 3
(3) 3 : 5 (4) 2 : 5
122. One important variety of coniferous forest is:
(1) Rosewood
(2) Pine
(3) Teak
(4) None of these
123. The natural seaport in eastern coast of India is:
(1) Kolkata
(2) Chennai
(3) Tuticorin
(4) Vishakhapatnam

124. Which of the following shipyards makes warships for the Indian Navy?
(1) Cochin Shipyard, Kochi
(2) Hindustan Shipyard, Visakhapatnam
(3) Mazagaon Dock, Mumbai
(4) Garden Reach Workshop, Kolkata
125. Which form of coal is the preferred domestic fuel?
(1) Anthracite
(2) Peat
(3) Lignite
(4) Bituminous
126. A man can do a piece of work in 5 days, but with the help of his son, he can do it in 3 days. In what time can the son do it alone?
(1) $6\frac{1}{2}$ days (2) 7 days
(3) $7\frac{1}{2}$ days (4) 8 days
127. In hot water bottles, water is used because:
(1) its specific heat is low
(2) its specific heat is high
(3) it is cheap
(4) it is easily available
128. Choose the best alternative Hour : Second :: Tertiary : ?
(1) Intermediary
(2) Primary
(3) Ordinary
(4) Secondary
129. The most powerful king of the Chola dynasty was:
(1) Raja Ram Chola
(2) Rudradaman
(3) Raja Chola II
(4) Rajendra Chola
130. The Headquarters of the Northern Command of the Indian Army is located at:
(1) Chandimandir
(2) Lucknow
(3) Udhampur
(4) Jammu
131. Which river is the Bhakra Nangal project built?
(1) Kosi (2) Jhelum
(3) Beas (4) Satluj

132. Who is to conduct the elections to the Panchayats and Municipalities ?
 (1) State Government
 (2) Central Government
 (3) State Election Commission
 (4) Central Election Commission
133. Birju Maharaj is an exponent of _____ dance form.
 (1) Kuchipudi
 (2) Manipuri
 (3) Kathak
 (4) Odissi
134. Which of the following does not lie between $\frac{4}{5}$ and $\frac{7}{13}$?
 (1) $\frac{1}{2}$ (2) $\frac{2}{3}$
 (3) $\frac{3}{4}$ (4) $\frac{5}{3}$
135. The H.C.F. of 3556 and 3444 is :
 (1) 23 (2) 25
 (3) 26 (4) 28
136. Jama Masjid at Delhi was built by which famous Emperor :
 (1) Akbar
 (2) Shahjahan
 (3) Jahangir
 (4) Aurangazeb
137. The chief industry of Afghanistan is :
 (1) cotton textiles
 (2) carpet making
 (3) sugar refining
 (4) automobile manufacturing
138. The equator cuts through which of the following islands ?
 (1) Madagascar
 (2) Tasmania
 (3) Java (4) Borneo
139. Sasan Gir National Park is located in :
 (1) Gujarat
 (2) Assam
 (3) Madhya Pradesh
 (4) Rajasthan
140. The distance between the Earth and the Sun (in million km) is :
 (1) 111 (2) 149
 (3) 168 (4) 193

141. Which of the following diseases is caused by a virus ?
 (1) Typhoid (2) Cholera
 (3) Influenza (4) Diphtheria
142. A fruit seller buys lemons at 2 for a rupee and sells them at 5 for 3 rupees. His gain percent is :
 (1) 10% (2) 15%
 (3) 20% (4) 25%
143. Rupee coin was first minted in India during the rule of:
 (1) Shah Jahan
 (2) Sher Shah Suri
 (3) East India Company
 (4) Razia Begum
144. Where the new railway coach manufacturing factory in India situated ?
 (1) Chittaranjan
 (2) Varanasi
 (3) Kapurthala
 (4) Chapra
145. The monsoon has well developed cycle in :
 (1) South and South East Asia
 (2) North Australia
 (3) East United States
 (4) Africa
146. $0.014 \times 0.014 = ?$
 (1) 0.000196 (2) 0.00196
 (3) 19.6 (4) 196
147. $\frac{250}{\sqrt{?}} = 10$
 (1) 25 (2) 250
 (3) 625 (4) 2500
148. Who established Hindustan Socialist Republican Army ?
 (1) S.C Bose
 (2) Ras Bihari Bose
 (3) Chandrashekhar Azad
 (4) Sardar Bhagat Singh
149. $(8 \div 88) \times 888088 = ?$
 (1) 808008 (2) 808080
 (3) 808088 (4) 8008008
150. The period of Sayyid Dynasty was from
 (1) 1290 A.D. - 1320 A.D.
 (2) 1320 A.D. - 1414 A.D.
 (3) 1414 A.D. - 1461 A.D.
 (4) 1451 A.D. - 1526 A.D.