

# RRC Group-D Exam (Held on 01-12-2013)

DO NOT REMOVE THIS SHEET / इस शीट को न फाड़ें

Duration : (1½ Hours / 90 Minutes) समय : (1½ घंटे / 90 मिनट)		Exam Code : <b>1213</b> परीक्षा कोड :	
No. of Pages / पृष्ठों की संख्या : <b>80</b>		Question Booklet No. : <b>4024829</b> प्रश्न-पुस्तिका संख्या :	
Roll No. : अनुक्रमांक:		OMR Answer sheet No. OMR उत्तर शीट क्र.	
Date of Examination : परीक्षा तिथि :		Total Marks / कुल अंक : <b>100</b>	
**Candidate's Name / **परीक्षार्थी का नाम		**Candidate's Signature / **परीक्षार्थी का हस्ताक्षर	
** As given in application form / ** जैसा आवेदन पत्र में भरा हो			

The candidate will first open only the Green seal and read the complete set of instructions carefully/  
परीक्षार्थी पहले केवल हरी सील खोलें और सभी निर्देशों को ध्यान से पढ़ें।

The question paper is made up of the following sections as tabulated below :

निम्न तालिका में दर्शाये अनुसार, इस प्रश्न पत्र को निम्नलिखित भागों में विभाजित किया गया है :

Section/भाग	Language/भाषा	No. of Questions/प्रश्नों की संख्या	Pages/पृष्ठ	
			From/से	To/तक
Section - I	English	100	8	18
Section - II	Hindi/हिन्दी	100	19	29
Section - III	Urdu/اردو	100	30	41
Section - IV	Telugu/తెలుగు	100	42	54
Section - V	Kannada/ಕನ್ನಡ	100	55	66
Section - VI	Marathi/मराठी	100	67	78

Write the following 'Paragraph' at the specified place in the OMR Answer-Sheet in your own handwriting.

निम्नलिखित 'पैराग्राफ' को अपनी हस्तलिपि में ओ.एम.आर. उत्तर-पत्रक में दिये गये स्थान में लिखें।

**Paragraph :** Man is born to live and not to prepare to live. I don't believe in God but I'm afraid of him. What one writer can make in the solitude of one room is something no power can easily destroy. It is a poor sort of memory that only works backwards. Home is the place where, when you have to go there, they have to take you in.

**SECTION - I**  
**ENGLISH**

1. What is the least number which must be added to 306452 to make it a perfect square ?  
(A) 460                      (B) 462                      (C) 464                      (D) 466
  
2. The Nagarjuna Inscriptions provide information about :  
(A) Jainism                      (B) Buddhism  
(C) Brahmanism                      (D) None of the above
  
3. A number consists of two digits whose sum is 9. If 27 is subtracted from the number, its digits are reversed. The number is :  
(A) 72                      (B) 63                      (C) 45                      (D) None of the above
  
4. What does DBMS stand for ?  
(A) Database Maintenance System      (B) Database Management System  
(C) Digital Base Management System      (D) None of the above
  
5. Which canal connects Mediterranean Sea with Red Sea ?  
(A) Corinthian canal                      (B) Grand canal  
(C) Panama canal                      (D) Suez canal
  
6. In a Parliamentary form of government, real powers are vested in :  
(A) President  
(B) Parliament  
(C) Judiciary  
(D) Council of Ministers headed by the Prime Minister
  
7. Which book was written by Dadabhai Naoroji on Poverty and economy under British rule ?  
(A) Indian Economy under British raj      (B) British Rule and Drain of Wealth  
(C) Poverty and Un-British Rule in India      (D) None of the above .
  
8. Who was the first Indian bowler to take Hat - Trick in Test Cricket ?  
(A) Kapil Dev                      (B) Anil Kumble                      (C) Ravi Shastri                      (D) Harbhajan Singh

9. Who was the first woman to win Sahitya Academy Award ?  
(A) Mahashweta Devi (B) Mahadevi Verma  
(C) Amrita Pritam (D) Indira Goswami
10. If MATTER is coded as TAMRET then BEYOND is coded as :  
(A) EBOYDN (B) DNOYEB (C) YEBDNO (D) None of the above
11. 336, 224, 168, 140, 126,    ?  
(A) 119 (B) 118 (C) 116 (D) None of the above
12. Where is Almatti Dam located ?  
(A) Himachal Pradesh (B) Uttarakhand  
(C) Karnataka (D) Tamil Nadu
13. Japanese Encephalitis is spread by :  
(A) Contaminated water (B) Air  
(C) Dog Bite (D) Mosquito
14. Kabir was the disciple of :  
(A) Ramanuja (B) Ramananda (C) Shankaracharya (D) Chaitanya
15. PARAVASI BHARTIYA DIVAS-2013 was held at :  
(A) Jaipur (B) Gandhinagar (C) New Delhi (D) Kochi
16. At what rate percent per annum compound interest, will Rs. 10,000 amount to Rs. 13,310 in three years ?  
(A) 8% (B) 10% (C) 12% (D) 15%
17. In whose reign Sanchi Stupa was built ?  
(A) Ashoka (B) Harshavardhan (C) Kanishka (D) Samudragupta
18. What is the volume of a cube whose surface area is  $150 \text{ m}^2$  (metre square) ?  
(A) 1125 cubic metres (B) 225 cubic metres  
(C) 125 cubic metres (D) None of the above

19. Clay shows plasticity when :
- (A) Right amount of water is added to it
  - (B) It is strongly heated
  - (C) It is dried at room temperature after kneading
  - (D) None of the above
20. The Sualkuchi Textile Park is located in which state of India ?
- (A) Karnataka
  - (B) Jammu and Kashmir
  - (C) Assam
  - (D) Meghalaya
21. Who is the Chairman of Fourteenth Finance Commission of India ?
- (A) Sushma Nath
  - (B) Bimal Jalan
  - (C) Y.V. Reddy
  - (D) Subba Rao
22. Who gave the title 'Sardar' to Vallabhbhai Patel ?
- (A) J.L. Nehru
  - (B) M.K. Gandhi
  - (C) Maulana Azad
  - (D) Sarojini Naidu
23. A swimming pool is 20 m long 15 m wide and 3 m deep. What will be the cost of repairing the floor and wall of the pool at the rate of Rs. 25 per square metre ?
- (A) Rs. 17,250
  - (B) Rs. 15,720
  - (C) Rs. 12,750
  - (D) None of the above
24. The Jogbani - Biratnagar and Jaynagar - Bijalpura - Bardibas lines connect India to :
- (A) Bangladesh
  - (B) Nepal
  - (C) Myanmar
  - (D) Pakistan
25. What does AICTE stand for ?
- (A) All India Council for Technical Education
  - (B) All India Centre for Technical Education
  - (C) All India Centre for Training and Education
  - (D) None of the above
26. In which of the following state Teesta Urja Hydro Power Projects is proposed to be set up ?
- (A) Arunachal Pradesh
  - (B) West Bengal
  - (C) Meghalaya
  - (D) Sikkim

27. If 15 boys earn Rs. 900 in 5 days, how much will 20 boys earn in 7 days ?  
(A) Rs. 1980      (B) Rs. 1820      (C) Rs. 1780      (D) Rs. 1680
28. "Parsec" is the unit of measurement of :  
(A) Density of Stars      (B) Astronomical distance  
(C) Brightness of Heavenly Bodies      (D) Orbital Velocity of Giant Stars
29. Which among the following processes does not add suspended particulate matter to air ?  
(A) Usage of air conditioners      (B) Burning of Fuels  
(C) Paper Industry      (D) Combustion of coal
30. A person will have black, brown or blue eyes depending upon the pigment present in the :  
(A) Pupil      (B) Iris      (C) Cornea      (D) Choroid
31. A nursery has 5000 plants. 5% of the plants are roses and 1% is marigold. What is the total number of other plants ?  
(A) 4750      (B) 4700      (C) 4250      (D) 4200
32. The shape of our Galaxy Milky way is :  
(A) Elliptical      (B) Circular      (C) Spiral      (D) None of the above
33. Among the following which is the only snake that builds a nest ?  
(A) Viper      (B) Krait      (C) Python      (D) King Cobra
34. Gopal Hari Deshmukh the famous social reformer from Maharashtra is also known as :  
(A) Lokmanya      (B) Atmabandhu      (C) Lokapriya      (D) Lokahitavadi
35. Which of the following minerals does not contain oxygen ?  
(A) Silicates      (B) Carbonates      (C) Pyrites      (D) None of the above
36. Which of the following is NOT a condition for becoming citizen of India ?  
(A) Birth      (B) Acquiring property      (C) Descent      (D) Naturalisation
37. Which of the following is not a Physical change ?  
(A) Dissolution of Oxygen in water      (B) Dissolution of Carbon dioxide in water  
(C) Dissolution of salt in water      (D) None of the above

38. CE, FI, JL, MP, QS, \_\_\_?  
(A) TV, WY (B) TV, XY (C) TW, XZ (D) TV, XZ
39. In a hostel of 50 girls, there are food provisions for 40 days. If 30 more girls join the hostel, the food provisions will last for :  
(A) 35 days (B) 30 days (C) 25 days (D) 20 days
40. Which among the following statement is **NOT** true about Aneroid Barometer ?  
(A) It does not contain liquid (B) It is heavy in weight  
(C) It is portable (D) None of the above
41. A train 270 m long is moving at a speed of 25 kmph. It will cross a man coming from the opposite direction at a speed of 2 kmph in :  
(A) 24 sec (B) 30 sec (C) 36 sec (D) None of the above
42. Hampi is situated on the banks of which River ?  
(A) Krishna (B) Cauvery (C) Tungabhadra (D) Godavari
43. What is the title of the seventh and final book of Harry Potter series ?  
(A) Harry Potter and the Half Blood Prince  
(B) Harry Potter and the Goblet of Fire  
(C) Harry Potter and the Deathly hallows  
(D) Harry Potter and the Philosopher's Stone
44. Which one of the following is a Self-Employment Programme for Educated Unemployed Youth ?  
(A) Prime Minister's Rozgar Yojna  
(B) Swarna Jayanti Sahakari Rozgar Yojna  
(C) National Social Assistance Programme  
(D) None of the above
45. When is World Environment Day observed ?  
(A) 8<sup>th</sup> March (B) 22<sup>nd</sup> April (C) 5<sup>th</sup> June (D) None of the above
46. Ram requires 40% to pass. If he gets 185 marks, he fails by 15 marks. What were the maximum marks in the exam ?  
(A) 400 (B) 450 (C) 500 (D) 800

47. Legislation of Widow Remarriage in India was first secured by :  
(A) Pandit Ramabai (B) Ishwar Chandra Vidyasagar  
(C) Maharshi Karve (D) Rajaram Mohan Roy
48. Which of the following name/term is **NOT** associated with the World Trade Organisation (WTO) ?  
(A) SEWA (B) UNCTAD (C) GATT (D) GATS
49. The concept of "Welfare State" is defined in :  
(A) Preamble (B) Fundamental Rights  
(C) Directive Principles (D) Fundamental Duties
50. A body at rest can have :  
(A) Speed (B) Velocity (C) Momentum (D) Energy
51. A fisherman can row 2 km against the stream in 20 minutes and return in 15 minutes. The speed of current is ?  
(A) 1 km/hr (B) 2 km/hr (C) 3 km/hr (D) None of the above
52. Hyder Ali consolidated his position after being appointed the *Faujdar* of :  
(A) Arcot (B) Dindigul (C) Budikot (D) Devanhalli
53. The term "HUF" means :  
(A) Hindu Undivided Family (B) Hindu Unified Family  
(C) Highly Urbanised Family (D) None of the above
54. The greatest number of three digits which is a perfect square is :  
(A) 981 (B) 971 (C) 964 (D) 961
55. PON, RQP, TSR, VUT, \_\_\_ ?  
(A) WUY, YXZ (B) UWV, ZXY (C) UVW, ZYX (D) XWV, ZYX
56. 10, 14, 25, 55, 140, \_\_\_ ?  
(A) 386 (B) 388 (C) 398 (D) None of the above

57. Who laid the foundation of Portuguese power in India ?  
(A) Vasco de Gama (B) St. Thomas  
(C) Bartholomew Dias (D) Alfonso-de-Albuquerque
58. Jude Felix is a famous Indian player in which sports ?  
(A) Football (B) Hockey (C) Swimming (D) Badminton
59. Sachar Committee is related with :  
(A) Social, Economic and Educational status of Muslim Community in India  
(B) Social, Economic and Educational status of Scheduled castes in India  
(C) Social, Economic and Educational status of Scheduled Tribes in India  
(D) None of the above
60. Which of the following features and their source is wrongly matched ?  
(A) Judicial review - British Practice  
(B) Concurrent list - Australian Constitution  
(C) Directive principles - Irish Constitution  
(D) Fundamental Rights - US Constitution
61. Birsa Munda stadium is located in :  
(A) Jamshedpur (B) Bilaspur (C) Raipur (D) Ranchi
62. The Indian Constitution is regarded as :  
(A) Unitary (B) Federal  
(C) Parliamentary (D) Federal in form and Unitary in spirit
63. Which among the following pairs is wrong ?  
(A) Nizam Shahis - Ahmednagar (B) Adil Shahis - Bijapur  
(C) Barid Shahis - Berar (D) Qutub Shahis - Golconda
64. An Ant can see the objects all around it due to the presence of :  
(A) Simple eyes (B) Eyes over its head  
(C) Well developed eyes (D) Compound eyes
65. Who was the first Secretary-General of United Nations ?  
(A) Trygve Lie (B) Dag Hammarskjold  
(C) U Thant (D) None of the above



66. The phenomenon of summer sleep by animals is called :  
(A) Hibernation (B) Aestivation (C) Salvation (D) None of the above
67. At what price should Shyam sell a pair of shoes which costs him Rs. 1200 so as to gain 12% after allowing a discount of 16%.  
(A) Rs. 1344 (B) Rs. 1434 (C) Rs. 1550 (D) Rs. 1600
68. "SWADHAR" is a scheme of Government of India for :  
(A) Unique identification number (B) Self employment scheme for youth  
(C) Women in difficult circumstances (D) Old age pension
69. Which one of the following is an enzyme ?  
(A) Glucagon (B) Insulin (C) Somatropin (D) Trypsin
70. The vitamin which is liable to be destroyed during cooking is :  
(A) Vitamin A (B) Vitamin B<sub>6</sub> (C) Vitamin C (D) Vitamin K
71. Baikonur Cosmodrome, the space launch facility, is located in :  
(A) Russia (B) Kazakhstan (C) Kyrgyzstan (D) Uzbekistan
72. The bacterial conversion of Nitrogen into Nitrogen Compounds is called :  
(A) Nitrogenation (B) Nitrogen Fixation  
(C) Fertilisation (D) None of the above
73. The first dynasty of the Vijayanagar Kingdom was :  
(A) Hoysala (B) Sangama (C) Saluva (D) Tuluva
74. The Fort at Pulicat was built by :  
(A) Portuguese (B) British (C) French (D) Dutch
75. Where did the G-20 summit held in September 2013 take place ?  
(A) St. Petersburg (B) St. Helena (C) Brussels (D) New York
76. Antibiotic pencillin act against bacterial by :  
(A) Killing the bacteria  
(B) Neutralizing the bacteria  
(C) Blocking biochemical pathways important for bacteria  
(D) None of the above

77. The term "Moderate" cannot be used to describe :  
(A) Gopal Krishna Gokhale (B) Dadabhai Naoroji  
(C) Pherozshah Mehta (D) Bipin Chandra Pal
78. Where is Mullaperiyar Dam located ?  
(A) Tamil Nadu (B) Kerala  
(C) Karnataka (D) None of the above
79. Which of the following is **not** a Banking/Finance related term ?  
(A) Credit Wrap (B) Diffusion (C) EMI (D) Held to Maturity
80. The Characteristic feature of Virus is :  
(A) It multiplies only on dead animals (B) It multiplies only on hosts  
(C) It lacks chlorophyll (D) It is made up of fats
81. The latest country (193<sup>rd</sup>) to become member of United Nations is :  
(A) Eretria (B) Republic of South Sudan  
(C) Bosnia and Herzegovina (D) None of the above
82. Which one of the following is the period of Eleventh Five Year Plan ?  
(A) 2006 - 2011 (B) 2007 - 2012 (C) 2005 - 2010 (D) 2008 - 2013
83. The book "Indomitable Spirit" is written by :  
(A) Jhumpa Lahiri (B) Khushwant Singh  
(C) Rajmohan Gandhi (D) Dr. A.P.J Abdul Kalam
84.  $0.0169 \div 0.013 = ?$   
(A) 0.13 (B) 0.013 (C) 1.3 (D) 13
85. A body is dropped from a certain height above the ground. When it is half way down, it possess.  
(A) Only Kinetic energy  
(B) Only Potential energy  
(C) Both Kinetic and Potential energy  
(D) Neither kinetic nor Potential energy

86. The frequency of sound waves can be expressed in :  
(A) Second (B) Cycle  
(C) Cycle per second (D) Metre per second
87. A man bought an article and sold it at a gain of 10%. If he had bought it at 20% less and sold it for Rs. 10 more, he would have made a profit of 40%. The cost price of the article is :  
(A) Rs. 500 (B) Rs. 480 (C) Rs. 450 (D) Rs. 400
88. It is six months long day in the Northern Polar region and six months long night in the Southern Polar region because :  
(A) Revolution of the Earth (B) Earth is inclined towards its orbital plane  
(C) Rotation of the Earth (D) None of the above
89. The first astronomical observatory of Harappan Civilization has been found at which of the following ancient sites ?  
(A) Ropar (B) Daimabad  
(C) Dholavira (D) None of the above
90. Fiscal Deficit is :  
(A) Gap between the value of Exports and Imports  
(B) Gap between total receipts minus external borrowings  
(C) Gap between total expenditure and total receipts of the government  
(D) None of the above
91. Prohibition of discrimination on grounds of religion, race, caste, sex or place of birth is mentioned in :  
(A) Article 14 (B) Article 15 (C) Article 16 (D) Article 17
92. Chand Bibi was the ruler of :  
(A) Ahmednagar (B) Bijapur (C) Gondwana (D) Warangal
93. In a 500 m race, the ratio of the speeds of A and B is 3 : 4. A has a start of 140 m. A wins by :  
(A) 10 m (B) 20 m (C) 30 m (D) None of the above
94. Which of the following disease is caused by the bite of a mad dog ?  
(A) Hydroceptecemia (B) Hydrocephatus  
(C) Hydrophobia (D) None of the above

95. Al Beruni came to India with :  
(A) Timur (B) Babur (C) Alexander (D) Mahmud Ghazni
96. 'SLINEX' is the joint naval exercise between :  
(A) India - Maldives (B) India - Sri Lanka  
(C) India - Singapore (D) India - South Korea
97. Where will the XX Commonwealth games be held ?  
(A) Canberra (B) Glasgow (C) Abuja (D) None of the above
98. A number whose double is 45 greater than its half is :  
(A) 50 (B) 45 (C) 40 (D) 30
99. Substances which dissolve in moisture when exposed to it are called :  
(A) Hygroscopic (B) Efflorescent (C) Deliquescent (D) Fluorescent
100. A sudden fall in the Barometric reading indicates :  
(A) Rain (B) Storm (C) Hot weather (D) Extreme Cold