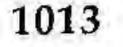# RRC Group D Exam 2012
(Held on 27-10-2013)

SECTION - I
ENGLISH

1. Which of the following plays an important role in the cause of rainfall ?
   (A) Evaporation
   (B) Condensation
   (C) Both evaporation and condensation
   (D) Filtration

2. Who was the founder of Satvahana dynasty ?
   (A) Hala
   (B) Yagnasari
   (C) Simuka
   (D) None of the above

3. Gaddi Shephards (Pastoral nomads) belong to which one of the following state ?
   (A) Arunachal Pradesh
   (B) Himachal Pradesh
   (C) Uttrakhand
   (D) Rajasthan

4. Protium, Deutrium and tritium are all forms of which element ?
   (A) Hydrogen   (B) Helium   (C) Iron   (D) Carbon

5. The person who become the first Indian to Circumnavigate Globe Solo and non - stop on a sail boat :
   (A) Hari Ram Kumar
   (B) Lt. Cdr. Abhilash Tomy
   (C) Lt. Ramadose
   (D) None of the above

6. Gandhiji went to England in 1931 to attend the :
   (A) First Round Table Conference
   (B) Second Round Table Conference
   (C) Third Round Table Conference
   (D) None of the above

7. Friction can be reduced by changing from :
   (A) Rolling to sliding
   (B) Sliding to rolling
   (C) Potential energy to kinetic energy
   (D) Dynamic to static

8. The largest living bird is :
(A) duck   (B) dodo   (C) ostrich   (D) peacock

9. 'Anandmath', 'Durgeshnondini' and 'Kapalkundala' novels were authored by which Bengali writer ?
(A) Rabindranath Tagore   (B) Sharat Chandra Chatterjee
(C) Bankim Chandra Chatterjee   (D) Bibhuti Bhushan Bandopadhyay

10. The market regulations in India were introduced by :
(A) Balban   (B) Sher Shah Suri   (C) Akbar   (D) Allauddin Khilji

11. Escape velocity of a rocket fired from the earth towards the moon is a velocity to get rid of the :
(A) Earth's gravitational pull
(B) Moon's gravitational pull
(C) Centripetal force due to the earth's rotation
(D) Atmospheric pressure

12. The wrongly matched pair is :
(A) Khartoum - Sudan   (B) Rotterdam - Austria
(C) Warsaw - Poland   (D) Dublin - Ireland

13. Which part of the computer does the arithmetical calculations ?
(A) Memory   (B) Keyboard   (C) CPU   (D) ALU

14. Madurai was the capital of the :
(A) Cholas   (B) Cheras   (C) Rashtrakutas   (D) Pandyas

15. Which of these elements is not a Noble gas ?
(A) Neon   (B) Bromine   (C) Helium   (D) Krypton

16. Which among the following is the oldest University established in modern India ?
(A) University of Calcutta   (B) Delhi University
(C) Allahabad University   (D) Banaras Hindu University

17. Who won the Men's Singles title in French open 2013 ?
(A) David ferrer   (B) Roger Federer
(C) Rafael Nadal   (D) J. Martin Del Potro

18. Which dynasty ruled Golconda from 1512 to 1681 ?
    (A) Adil Shahi dynasty   (B) Qutub Shahi dynasty
    (C) Ahmad Shahi dynasty   (D) None of the above

19. The concept of welfare state is included in the constitution of India in the :
    (A) Fundamental Rights   (B) Fundamental duties
    (C) Preamble   (D) Directive Principles

20. What is the three digit number which is 2 more than a perfect square and 2 less than a perfect cube ?
    (A) 627   (B) 402
    (C) 123   (D) None of the above

21. Yasin merchant is associated with which sports :
    (A) golf   (B) snooker
    (C) swimming   (D) none of the above

22. If INDUS is coded as 03865 and TENNIS is coded as 243305 then STUDENT is coded as :
    (A) 5268432   (B) 5642832   (C) 5628342   (D) 5648324

23. Pope Francis the current pope of the Catholic Church was born in which country :
    (A) Italy   (B) Mexico   (C) Spain   (D) Argentina

24. The square of 349 is :
    (A) 122801   (B) 122881
    (C) 121801   (D) None of the above

25. Free surface of a liquid behaves like a sheet and tends to contract to the smallest possible area due to the :
    (A) Force of adhesion   (B) Force of friction
    (C) Centrifugal force   (D) Force of cohesion

26. The instrument used for finding out wind direction is :
    (A) Hygrometer   (B) Anemometer   (C) Wind gauze   (D) Wind vane

27. Who is Julian Assange ?
    (A) Founder of Google   (B) Founder of Microsoft
    (C) Founder, Wikileaks   (D) None of the above

28. The SI unit of Force is :
   (A) Joule
   (B) Newton
   (C) Dyne
   (D) None of the above

29. The pioneer of the Bhakti movement in India was :
   (A) Kabir
   (B) Shankaracharya
   (C) Ramanuja
   (D) None of the above

30. What does CFSL stand for ?
   (A) Central Forest Search Laboratory
   (B) Central Forensic Science Laboratory
   (C) Central Forensic and Security Laboratory
   (D) None of the above

31. Rani Rudrama Devi belonged to which dynasty :
   (A) Satvahanas
   (B) Chalukyas
   (C) Kakatiya
   (D) None of the above

32. On Equinoxes which of the following occurs ?
   (A) The days are longer and nights are shorter
   (B) The nights are longer and days are shorter
   (C) Days and nights are of almost equal duration
   (D) None of the above

33. Which one of following communities is an African community ?
   (A) Gollas
   (B) Kurumas
   (C) Rai kas
   (D) Masai

34. Find the Odd one out :
   (A) 169
   (B) 121
   (C) 181
   (D) 144

35. If $25 \times 32 = 800$ then $2.5 \times .32 = $?
   (A) .800
   (B) 8.00
   (C) 80.0
   (D) .080

36. The difference between the compound interest and simple interest on a sum of money at the rate of 10% per anum for 2 years is Rs 50. The Principal amount is :
   (A) Rs 5500
   (B) Rs 5000
   (C) Rs 4000
   (D) None of the above

37. If 3/5th of a cistern is filled in 1 minute, how much more time will be required to fill the rest of it ?

    (A) 40 sec   (B) 30 sec   (C) 36 sec   (D) 24 sec

38. The combination of which of the following soils is best for plant growth :

    (A) Clay, sand and gravel   (B) Humus, clay and gravel
    (C) Sand, humus and gravel   (D) Humus, sand and clay

39. For galvanizing iron which of the following metals is used ?

    (A) Zinc   (B) Copper   (C) Aluminium   (D) Lead

40. The Ilbert Bill Controversy during Lord Lytton's time related to the concepts of :

    (A) Economic Equality   (B) Revenue allocation
    (C) Political Representation   (D) Judicial Equality

41. Tulsidas was a contemporary of :

    (A) Akbar   (B) Jahangir   (C) Shahjahan   (D) Aurangzeb

42. The sum of two numbers is 45 and their ratio is 7 : 8. The two numbers are :

    (A) 20, 25   (B) 21, 24
    (C) 22, 23   (D) None of the above

43. Which of the following number is not a perfect cube ?

    (A) 64   (B) 216   (C) 243   (D) 1728

44. Which one of the following is a violation of the right to life or personal liberty ?

    (A) The arrested person is informed about the reason of his arrest.
    (B) He is produced before the court within 24 hours of his arrest.
    (C) He is not allowed to consult his lawyer.
    (D) He is shown the warrant before arrest.

45. Which of the following state has the maximum urban population as per the final data of Census 2011 ?

    (A) Gujarat   (B) Karnataka   (C) Maharashtra   (D) Tamil Nadu

46. Which of the following are the only mammals that possess nucleated red blood corpuscles ?
    (1) Camel
    (2) Llama
    (3) Man
    (4) Dog
    (A) (1) and (2)   (B) (2) and (3)   (C) (3) and (4)   (D) (1) and (4)

47. Which country reached an agreement with Kosovo to overcome its ethnic enmities ?
    (A) Serbia   (B) Croatia
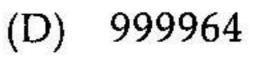   (C) Macedonia   (D) None of the above

48. Secularism in the Indian context means that :
    (A) Citizens are not discriminated on account of religion
    (B) Religion is regarded as a private affair of a citizen
    (C) Neither (A) nor (B)
    (D) Both (A) and (B)

49. Birds get thrust (forward motion) and lift (upward motion) from :
    (A) air sacs
    (B) flapping of wings
    (C) twisting of feathers
    (D) shape of wings which is similar to aeroplane blades

50. Vijay Kumar bagged Silver medal in Olympics 2012 in which event ?
    (A) 10 meter Rapid fire pistol   (B) 25 meter Rapid fire pistol
    (C) trap shooting   (D) none of the above

51. Which Mughal emperor built the Red Fort in Delhi ?
    (A) Babur   (B) Humanyun   (C) Akbar   (D) Shahjahan

52. Which country won the Asia Cup Hockey 2013 ?
    (A) India   (B) Pakistan   (C) South Korea   (D) Japan

53. A boatman goes 2 km against the current of the stream in 1 hour and goes 1 km along the current in 10 minutes. How long will it take to go 5 km in stationary water ?
    (A) 40 mins   (B) 1 hour   (C) 1 hour 15 mins   (D) 1 hour 30 mins

54. 994×1006 is equal to :
    (A) 999664   (B) 999644   (C) 996644   (D) 999964

55. The western education was introduced in India by :
    (A) Lord Curzon   (B) Lord Hastings   (C) Lord Wellesley   (D) Lord Bentick

56. Google is a :
    (A) Virus programme   (B) Search Engine
    (C) Gaming Station   (D) Hardware

57. Estimates of National Income in India are prepared by :
    (A) Planning Commission   (B) Ministry of Finance
    (C) Reserve Bank of India   (D) Central Statistical Organization

58. In National Film Awards 2013, the award for Best Supporting Actor was conferred on :
    (A) Annu Kapoor for Vicky Donor
    (B) Usha Jadhav for Marathi film Dhag
    (C) Rituparno ghosh for Chitrangada
    (D) Virendra Pratap for Dekh Indian Circus

59. Which Indian state is the largest producer in the world of the golden coloured 'Muga' silk ?
    (A) Assam   (B) Orissa   (C) West Bengal   (D) Karnataka

60. The blood sucking organisms are :
    (A) Hookworms   (B) Earth worms
    (C) Leeches   (D) None of the above

61. Australia won Sultan Azlan Shah Hockey Tournament 2013 for the :
    (A) Seventh time   (B) Sixth time   (C) Fifth time   (D) Fourth time

62. The average of 0.3, 3, 0.03 and 0.002 is :
    (A) 833   (B) 83.3   (C) 0.803   (D) 0.833

63. Mosquito : Malaria; Water : Cholera; Rat : ?
    (A) Disease   (B) Plague
    (C) Death   (D) None of the above

64. A wheel travels a distance of 22 km in 2500 revolutions. What is the diameter of the wheel ?
    (A) 1.4 m   (B) 2.8 m
    (C) 5.6 m   (D) None of the above

65. Vitamin C is also known as :

(A) Citric acid   (B) Ascorbic acid   (C) Carbonic   (D) Folic acid

66. A man pays off 3/20th of his debt every month. At the end of 6 months his balance debt is Rs 290. How much debt (in Rupees) has he cleared off every month ?

(A) 500   (B) 450   (C) 435   (D) 400

67. Which India born physicist invented the 'Optical Fibre' ?

(A) C.V. Raman   (B) Satyendra Nath Bose

(C) Homi J. Bhabha   (D) Narinder Singh Kapany

68. Who won the Rajiv Gandhi Sadhbhavna Award for his contribution towards promotion of communal harmony and peace in July 2013 ?

(A) Amjad Ali Khan   (B) Zubin Mehta

(C) Pt. Ravi Shankar   (D) None of the above

69. pH value of pure water is :

(A) Less than 7   (B) More than 7   (C) Equal to 7   (D) Equal to 0

70. The salaries and allowances of Union Ministers are determined by the :

(A) Council of Ministers   (B) President of India

(C) Parliament   (D) Prime Minister of India

71. Which of the following statements is against the democratic process of elections ?

(A) Parties and candidates should be free to contest elections.

(B) Elections must be held regularly immediately after the term is over.

(C) The right to vote should be given to the selected people only.

(D) Elections should be conducted in a free and fair manner.

72. Find the number which is as much greater than 84 as it is less than 108 :

(A) 92   (B) 94   (C) 96   (D) 98

73. Who was the first Indian ruler to accept Subsidiary Alliance offered by Lord Wellesley in 1798 ?

(A) Scindias of Gwalior   (B) Nawab of Awadh

(C) Gaekwads of Baroda   (D) Nizams of Hyderabad

74. Kovvada Nuclear Power Plant which was recently in news is being set up in :

(A) Karnataka   (B) Andhra Pradesh

(C) Chattisgarh   (D) None of the above

75. Article 340 of the Indian Constitution deals with :
    (A) Finance Commission   (B) Backward Classes Commission
    (C) Union Public Service Commission   (D) Election Commission

76. The Third Battle of Panipat was fought between :
    (A) Marathas and the East India Company
    (B) Ahmad Shah Abdali and the Sikhs
    (C) Ahmad Shah Abdali and the Marathas
    (D) Ahmad Shah Abdali and the Mughals

77. If BEFORE is coded as FEBERO then JUNGLE is coded as :
    (A) NUJELG   (B) NUEJLG   (C) JELGNU   (D) NUEJGL

78. In a school 10% of the boys are same in number as $1/4^{th}$ of the girls. What is the ratio of boys to girls in the school ?
    (A) 3 : 2   (B) 5 : 2   (C) 5 : 3   (D) 4 : 1

79. Which of the following country is NOT a member of BASIC ?
    (A) India   (B) Indonesia   (C) Brazil   (D) South Africa

80. Saka Era was founded by :
    (A) Pulakesin - II   (B) Kanishka   (C) Harsha   (D) Vikramaditya

81. Arrange 2/3; 4/5; 1/2; 3/4 in descending order :
    (A) 4/5 > 2/3 > 1/2 > 3/4   (B) 1/2 > 2/3 > 4/5 > 3/4
    (C) 3/4 > 1/2 > 4/5 > 2/3   (D) 4/5 > 3/4 > 2/3 > 1/2

82. Which of the following trees were promoted for building ships or railways ?
    (A) Firs and Pines   (B) Bushes and Creepers
    (C) Teak and Sal   (D) Shisham and Acacia

83. The language used for standard zoological nomenclature is :
    (A) Latin   (B) French   (C) Spanish   (D) Greek

84. The remains of Vijaynagar Empire can be found in :
    (A) Golconda   (B) Hampi
    (C) Bijapur   (D) None of the above

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85. Which one of the following type of forests is found in the Ganga - Bramaputra Delta ?
    (A) Thorny forests (B) Montane forests
    (C) Mangrove forests (D) Tropical Rain forests

86. Which Wildlife Sanctuary was declared as the First National Park in India ?
    (A) Kaziranga National Park (B) Gir National Park
    (C) Nanda Devi National Park (D) Jim Corbett National Park

87. The square root of 7744 is :
    (A) 98 (B) 92 (C) 88 (D) 82

88. Which one of the following categories of forests is considered as the best on the basis of their utility ?
    (A) Reserved forests (B) Protected forests
    (C) Village forests (D) Community forests

89. What is the Freezing point of water ?
    (A) 212°F (B) 100°F (C) 180°F (D) 32°F

90. Who has won the Golden Ball in Champions Trophy 2013 ?
    (A) Shikhar Dhawan (B) Virat Kohli
    (C) Ravindra Jadeja (D) Suresh Raina

91. If 'Driver'   = 12
    ' Pedestrian'   = 20
    'Accident   = 16
    Then 'Car'   = ?
    (A) 3 (B) 6 (C) 9 (D) 18

92. DRDL stands for :
    (A) Defence Research and Development Laboratory
    (B) Department of Research and Development Laboratory
    (C) Differential Research and Documentation Laboratory
    (D) None of the above

93. The main occupation of Palaeolithic (Old Stone Age) people was :
    (A) Animal Husbandry (B) Hunting
    (C) Agriculture (D) Fishing

94. The edges of a cuboid are in the ratio 1 : 2 : 3 and its surface area is 88 cm². The volume of the cuboid is :

(A) 24 cm³ (B) 48 cm³ (C) 64 cm³ (D) 120 cm³

95. Which one of the following is the primary source of energy in India ?

(A) Hydro Power (B) Natural Gas (C) Coal (D) Naptha

96. The mammal which lays eggs is :

(A) Bat (B) Squirrel
(C) Kangaroo (D) Duckbilled Platypus

97. The Bhopal disaster of 1984 was the result of :

(A) Nuclear accident (B) Biological accident
(C) Chemical accident (D) Railway accident

98. Who was the First Chairman of the Planning Commission of India ?

(A) Lal Bahadur Shastri (B) Maulana Abul Kalam Azad
(C) Jawahar lal Nehru (D) Vallabhbhai Patel

99. The International Day for Biological Diversity was observed on :

(A) 4th June (B) 22nd May
(C) 24th April (D) None of the above

100. The first discourse of Buddha at Deer Park in Sarnath is called :

(A) Mahabhinishkraman (B) Mahamastabhisheka
(C) Mahaparinirvan (D) Mahadharma Chakra Pravartan

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