Railway Recruitment Cell, Bhubaneswar
Group - D
Held on 08-12-2013
Section - I

1. The council of the “nine gems” is associated with _________.
   (A) Ballal Sena  (B) Harshavardhana
   (C) Chandragupta II  (D) Devapala

2. Who said, “Ram and Rahim are the two different names of the same God”?
   (A) Kabir  (B) Ramdas
   (C) Chaitanya  (D) Ramanuja

3. The term congress was derived from _________.
   (A) The history of North America
   (B) Irish history
   (C) British commonwealth
   (D) The name of the American parliament (congress)

4. Which one among the following was not a demand of the Prarthana Samaj?
   (A) Women education
   (B) Abolition of untouchability
   (C) Raising the age of marriage for boys and girls
   (D) Widow remarriage

5. The capital city of the Pallavas was –
   (A) Vatapi  (B) Kanchipuram
   (C) Madurai  (D) Mahabalipuram

(Space For Rough Work)
6. Who is the Chief Law Officer of India?
   (A) Secretary, Law Department  (B) Attorney General
   (C) Advocate General          (D) Solicitor General

7. Which of the following Committees are Committees of Parliament?
   1. Public Accounts Committee
   2. Estimates Committee
   3. Committee on Public Undertakings

Select the correct answer using the code given below:
   (A) 1, 2 and 3  (B) 1 and 2 only
   (C) 1 and 3 only  (D) 2 and 3 only

8. Who amongst the following is the Regulator of Insurance sector in India?
   (A) IRDA  (B) SEBI
   (C) AMFI  (D) RBI

9. Moon is a -
   (A) Star  (B) Satellite
   (C) Planet  (D) Meteorite

10. Dear Money Policy implies:
    (A) High price level  (B) Large money supply
      (C) High production  (D) High interest rates

   (Space For Rough Work)
11. All living beings are made up of one or more basic units _______.
   (A) Tissues  (B) Organs
   (C) Cells  (D) Limbs

12. Malaria is caused by ________.
   (A) Female Anopheles Mosquito
   (B) Male Anopheles Mosquito
   (C) Female culex Mosquito
   (D) Male culex Mosquito

13. Which of the following is not required for Photosynthesis?
   (A) Oxygen  (B) Sunlight
   (C) Carbon dioxide  (D) Water

14. Richest source of Vitamin A is ________.
   (A) Citrus fruits  (B) Carrot
   (C) Spinach  (D) Legumes

15. Red rot of sugarcane is caused by ________.
   (A) Bacteria  (B) Fungus
   (C) Virus  (D) Nematode

(Space For Rough Work)
16. Zoology means study of __________
   (A) Zoo   (B) Life sciences
   (C) Zoo authorities   (D) Animals

17. An adult person has __________ litres of blood in his body.
   (A) 5-6   (B) 6-7
   (C) 4-5   (D) 7-8

18. Skin is the respiratory Organ of __________
   (A) Man   (B) Earthworm
   (C) Snake   (D) Frog

19. __________ is the organizing and processing centre in our body.
   (A) Heart   (B) Lungs
   (C) Brain   (D) Stomach

20. The vaccine for Small-pox was discovered by __________
   (A) Louis Pasteur   (B) Alexander Fleming
   (C) Edward Jenner   (D) Robert Edwin
21. 13 years back, my father was thrice my age and two years back he was twice my age. The present age of my father is –

(A) 58  
(B) 46

(C) 28  
(D) 24

22. The average age of our family of four is 35. Excluding me the average age is 40. Find my age –

(A) 22  
(B) 25

(C) 20  
(D) 15

23. In a cricket match, Rohit scored a century with 13 boundaries and 3 sixers. What percentage of runs did he make by running between the wickets.

(A) 70%  
(B) 50%

(C) 35%  
(D) 30%

24. A 5 cm cube is cut into 1 cm cubes. Find the percentage increase in surface area after such cutting.

(A) 150%  
(B) 600%

(C) 500%  
(D) 400%

25. A sum of money amounts to Rs. 49,400 in 3 years and Rs. 50,400 in 5 years at the same rate of simple interest. The rate of interest per annum is –

(A) 10%  
(B) 9%

(C) 9.6%  
(D) 8%
26. A boat is rowed downstream at 15.5 km/hr and upstream at 8.5 km/hr. The speed of the stream is –

(A) 3.5 km/hr  
(B) 5.75 km/hr  
(C) 6.5 km/hr  
(D) 7 km/hr

27. How many times do the hands of a clock coincide in a day?

(A) 20  
(B) 21  
(C) 22  
(D) 24

28. Today is Monday. After 61 days, it will be –

(A) Wednesday  
(B) Saturday  
(C) Tuesday  
(D) Thursday

29. In covering a distance of 30 km, Abhay takes 2 hours more than Sameer. If Abhay doubles his speed, then he would take 1 hour less than Sameer. Abhay's speed is –

(A) 5 kmph  
(B) 6 kmph  
(C) 6.25 kmph  
(D) 7.5 kmph

30. If 60% of \(\frac{3}{5}\) of a number is 36, then the number is –

(A) 80  
(B) 100  
(C) 75  
(D) 90

(Space For Rough Work)
31. A dishonest milkman professes to sell his milk at cost price but he mixes it with water and thereby gains 25%. The percentage of water in the mixture is –

(A) 4%  (B) $6\frac{1}{4}$%  
(C) 20%  (D) 25%

32. A goods train runs at the speed of 72 kmph and crosses a 250 m long platform in 26 seconds. What is the length of the goods train?

(A) 230 m  (B) 240 m  
(C) 260 m  (D) 270 m

33. Find the odd one in the series:

3, 5, 7, 12, 17, 19

(A) 19  (B) 17  
(C) 5  (D) 12

34. A and B can do a work in 8 days, B and C can do the same work in 12 days. A, B and C together can finish it in 6 days. A and C together will do it in –

(A) 4 days  (B) 6 days  
(C) 8 days  (D) 12 days

35. A and B started a business in partnership investing Rs. 20,000 and Rs. 15,000 respectively. After six months, C joined them with Rs. 20,000. What will be B’s share in total profit of Rs. 25,000 earned at the end of 2 years from the starting of the business?

(A) Rs. 7,500  (B) Rs. 9,000  
(C) Rs. 9,500  (D) Rs. 10,000

(Space For Rough Work)

(Continued)
36. Three coins are tossed. Find the probability of getting two heads and a tail.

(A) $\frac{1}{4}$  
(B) $\frac{5}{8}$  
(C) $\frac{3}{8}$  
(D) $\frac{3}{4}$

37. A pump can fill a tank with water in 2 hours. Because of a leak, it took $2\frac{1}{3}$ hours to fill the tank. The leak can drain all the water of the tank in –

(A) $4\frac{1}{3}$ hours  
(B) 7 hours  
(C) 8 hours  
(D) 14 hours

38. A shopkeeper sells one transistor for Rs. 840 at a gain of 20% and another for Rs. 960 at a loss of 4%. His total gain or loss per cent is –

(A) $5\frac{15}{17}$ % loss  
(B) $5\frac{15}{17}$ % gain  
(C) $6\frac{2}{3}$ % gain  
(D) None of these

39. A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can 3 balls be drawn from the box, if at least one black ball is to be included in the draw?

(A) 32  
(B) 48  
(C) 64  
(D) 96

40. Five bells commence tolling together and toll at intervals of 2, 5, 6, 8 and 9 seconds respectively. How many times do they toll together in a hour?

(A) 11  
(B) 12  
(C) 10  
(D) 6

(Space For Rough Work)
41. Bowman’s capsule is a part of ________.
   
   (A) Kidney    (B) Heart
   (C) Liver     (D) Brain

42. ________ is the biggest cell in a human body.
   
   (A) Muscle cell    (B) Sperm cell
   (C) Egg cell       (D) Nerve cell

43. ________ is the basic unit of inheritance.
   
   (A) Cell    (B) Gene
   (C) Sperm   (D) Blood

44. Intermolecular force of attraction is maximum in ________.
   
   (A) solids    (B) liquids
   (C) gases     (D) plasma particles

45. The speedometer of a car measures ________.
   
   (A) acceleration    (B) average speed
   (C) instantaneous speed    (D) none of these

(Space For Rough Work)
46. The slope of speed-time graph gives __________.

(A) speed  (B) velocity
(C) acceleration  (D) momentum

47. Momentum gives a measure of __________.

(A) mass  (B) weight
(C) velocity  (D) quantum of motion

48. Newton’s second law of motion gives the measure of __________.

(A) force  (B) acceleration
(C) momentum  (D) impulse

49. The rate of change of displacement with time is called __________.

(A) speed  (B) velocity
(C) acceleration  (D) retardation

50. Which of the following does not change when a chemical reaction takes place?

(A) Volume  (B) Mass
(C) Physical properties  (D) Chemical properties

(Space For Rough Work)
51. For determining the melting point of ice, the thermometer should be kept ______.

(A) With its bulb in the ice cubes  
(B) In contact with the inner wall of the beaker  
(C) A little above the ice cubes  
(D) In touch with the beaker from outside

52. The colour of sodium chloride and ammonium chloride respectively is ________.

(A) Yellow and white  
(B) White and yellow  
(C) Both are white  
(D) Grey and yellow

53. ________ acid is present in vinegar.

(A) Bromic  
(B) acetic  
(C) chloric  
(D) nitric

54. Natural gas, petroleum and coal are ________.

(A) Fossil fuels  
(B) pesticides  
(C) germicides  
(D) fertilisers

55. ________ is a device used to convert chemical energy into electrical energy.

(A) Dynamo  
(B) motor  
(C) inverter  
(D) battery

(Space For Rough Work)
56. Sudarshan Pattnaik is a famous personality in which among the following field?

(A) Dance  (B) Sand art
(C) Music  (D) Sports

57. Hathigumpha inscription at Udayagiri is related to –

(A) Satakarni  (B) Kharavela
(C) Chandragupta  (D) Pusyamitra

58. Who was the Chairman of Hindu Mahasabha when it constituted in Odisha in 1922?

(A) Madhu Babu  (B) Gopabandhu
(C) Harekrushna Mahatab  (D) Surendra Nath Das

59. In which year Gopabandhu constituted Biswasikhya Parishad?

(A) 1900  (B) 1908
(C) 1906  (D) 1910

60. Which of the following is the largest river of Odisha?

(A) Subernarekha  (B) Mahanadi
(C) Brahmani  (D) Vasundhara

(Space For Rough Work)
61. Name the two PSUs, which were granted the Maharatna status by the Union Government of India in February 2013?
   (A) ONGC and NTPC  (B) BHEL and GAIL
   (C) ONGC and GAIL  (D) Coal India and SAIL

62. Who has won the “Entrepreneur of the Decade” award conferred by All India Management Association (2013) in New Delhi?
   (A) Mr. Ratan Tata  (B) Mr. Narayan Murthi
   (C) Mr. Mukesh Ambani  (D) Mr. Sunil Mittal

63. Who is the winner of prestigious Jnanpith award for the 2012?
   (A) Amar Kant (Hindi)  (B) Dr. Ravuri Bharadwaja (Telugu)
   (C) Pratibha Ray (Odia)  (D) Shrilal Shukla (Hindi)

64. “Vachaspati Puraskars” are given by the –
   (A) Madhya Pradesh Government
   (B) Uttar Pradesh Hindi Academy
   (C) Birla Foundation
   (D) None of these

65. RGAUD (Rajiv Gandhi Akshay Urja Diwas) i.e., Rajiv Gandhi Renewable Energy Day, Saddbhavana Day is celebrate each year on the birth day of ex. PM Rajiv Gandhi. His birth day is on –
   (A) 20th November  (B) 20th December
   (C) 20th August    (D) 20th October

(Space For Rough Work)
66. Who amongst the following Indians has featured in the list of “World’s 100 most influential Women”, selected by the “Time” Magazine?

(A) Mamata Banerjee  (B) Sania Mirza
(C) Jaya Bachchan    (D) Pratibha Patil

67. ISRO recently gave clearance for using which frequency band from satellite for internet on trains?

(A) C Band  (B) KU Band
(C) S Band    (D) 3G Spectrum

68. One of the State Governments in India has declared tea as the “State Drink” to encourage tea farmers. The State is

(A) Assam  (B) Kerala
(C) West Bengal    (D) Tamil Nadu

69. Who is the chairman of Fourteenth Finance Commission?

(A) Prof. Abhijit Sen  (B) Dr. Y. V. Reddy
(C) Ms. Sushma Nath    (D) Dr. M. Govinda Rao

70. The Eleventh ‘Five-Year Plan’ of India is for the Five years ranging from?

(A) 2007-2012  (B) 2009-2014
(C) 2008-2013    (D) None of these

(Space For Rough Work)
71. The newly proposed State of Telangana consists of ______ districts.
   (A) 6  (B) 10
   (C) 8  (D) 9

72. The objective of the Food Security Bill which has been recently passed is –
   (A) to uplift the poor
   (B) to give free food to the poor
   (C) to provide subsidised foodgrains to 2/3rd population of India as their right
   (D) to give security to the food being stored

73. Who is the author of the book ‘Beyond the lines : An Auto-biography’?
   (A) Sharad Pawar  (B) Khushwant Singh
   (C) Kuldip Nayar  (D) General J. J. Singh

74. The capital of Syria is –
   (A) Durban  (B) Lebanon
   (C) Damascus  (D) Beirut

75. ‘NGRBA’ which was recently in news stands for –
   (A) National Gangotri River Basin Authority
   (B) National Godavari River Basin Authority
   (C) National Ganga River Basin Authority
   (D) None of the above

(Space For Rough Work)
76. Who is the author of the book ‘Turning Point – A Journey Through Challenges’?

(A) A. P. J. Abdul Kalam  (B) Hamid Ansari
(C) Jaswant Singh  (D) None of the above

77. Vedanta Alumina is a company operating in the area of –

(A) Mining  (B) Textiles
(C) Banking  (D) Cement

78. The distance between the rails in broad gauge is –

(A) 1 meter  (B) 0.676 meters
(C) 1.676 meters  (D) 1.767 meters

79. Kudankulam Nuclear Power Plant is being established in –

(A) Tamil Nadu  (B) Karnataka
(C) Kerala  (D) Andhra Pradesh

80. Who has been appointed as new Chief Minister of Karnataka on 10 May, 2013?

(A) C. P. Joshi  (B) Rahul Gandhi
(C) K. Siddaramaiah  (D) Manish Tiwari

(Space For Rough Work)
81. In a 100 m race, A beats B by 10 m and C by 13 m. In a race of 180 m, B will beat C by –

(A) 5.4 m  
(B) 4.5 m  
(C) 5 m  
(D) 6 m

82. If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number?

(A) 2 : 5  
(B) 3 : 7  
(C) 5 : 3  
(D) 7 : 3

83. Look at this series:

12, 32, 72, 152, ____

What number should come next?

(A) 312  
(B) 325  
(C) 515  
(D) 613

84. ELFA, GLHA, ILJA, ____ , MLNA

(A) OLPA  
(B) KLMA  
(C) LLMA  
(D) KLLA

85. How is my sister’s daughter’s maternal grandfather related to me?

(A) Father  
(B) Uncle  
(C) Paternal grandpa  
(D) Maternal grandpa

(Space For Rough Work)
86. Tungabhadra is a tributary of –

(A) Cauvery river  (B) Godavari river
(C) Mahanadi river  (D) Krishna river

87. The western coasts of India receive very high rainfall in summer mainly due to –

(A) Tropical location  (B) Himalayas
(C) Nearness to sea  (D) Western Ghats

88. The layer of the atmosphere which provides ideal flying conditions for large jet aeroplanes is –

(A) Ionosphere  (B) Exosphere
(C) Troposphere  (D) Stratosphere

89. Panna diamond mines are located in –

(A) Bihar  (B) Rajasthan
(C) Uttar Pradesh  (D) Madhya Pradesh

90. Mudumalai Sanctuary is famous for –

(A) Bisons  (B) Birds
(C) Elephants  (D) Tigers

(Space For Rough Work)
91. The largest continent in terms of area is –

(A) Africa

(B) Asia

(C) Australia

(D) North America

92. Which one is not a port on the east coast?

(A) Kolkata

(B) Paradeep

(C) Visakhapatnam

(D) Cochin

93. Which of the following is the poorest State in India?

(A) Odisha

(B) Bihar

(C) U.P.

(D) M.P.

94. Which of the following gives the maximum production of edible oil?

(A) Ground nut

(B) Mustard

(C) Rapeseed

(D) Sunflower

95. Name the most cyclone prone area of India.

(A) Coastal Odisha

(B) Coastal Kerala

(C) Coastal Maharashtra

(D) Coastal Gujarat
96. Excess population can become human capital if the investment made is in the form of ________.

(A) Health and capital

(B) Education, training and medical care

(C) Skill and productive knowledge

(D) All of the above

97. The Prime Minister –

(A) Is the Head of Government

(B) Is the Leader of Lok Sabha

(C) May change the portfolios of Ministers at will

(D) May do all the above

98. National Emergency has been declared so far –

(A) Once

(B) Twice

(C) Thrice

(D) Four times

99. Indian constitution recognizes minorities on the basis of ________.

(A) religion

(B) caste

(C) population

(D) colour

100. Buddha has been described as “an Ocean of Wisdom and Compassion” in ________.

(A) Jataka tales

(B) Amarakosa

(C) Buddhacharitha

(D) The light of Asia

(Space For Rough Work)