

## MOCK DRDO PAPER – Downloadable – PDF Format

### Section 1: Quantitative Aptitude and Logical Reasoning (25 questions)

1. The average of 6 numbers is 3.95. If the average of the two of them is 3.4 while that two is 3.85, what is the average of remaining two numbers?

- a) 4.8            b) 4.7            c) 4.6            d) 4.5

2. Three bulbs are chosen at random from a collection of 8 bulbs of which five are good bulbs. Find the probability that the room is lighted.

- a)  $1/56$             b)  $55/56$             c)  $53/56$             d)  $41/143$

3. Milk and water are in the ratio of 8:5 in a vessel. In the other vessel they are in 9:5 ratios. In what proportion should the quantities be taken from the two vessels so as to form a mixture in which the milk and water will be in 5:3 ratios?

- a) 5:8            b) 14:3            c) 13:7            d) 7:13

4. How many cubes of side 5 cm each can be cut from a cubical wooden block of dimension  $36\text{cm} \times 28\text{cm} \times 24\text{cm}$ ?

- a) 84            b) 200            c) 70            d) 140

5. A poultry farm has only chickens and pigs. When the manager of the poultry counted the heads of the stock in the farm, the number totaled up to 200. However, when the number of legs was counted, the number totaled up to 540. How many chickens were there in the farm?

- a) 70            b) 120            c) 60            d) 130

6. Three years back, a father was 24 years older than his son. At present the father is 5 times as old as the son. How old will the son be three years from now?

- a) 12 years            b) 6 years            c) 3 years            d) 9 years

7. Working together, Jose and Jane can complete an assigned task in 20 days. However, if Jose worked alone and complete half the work and then Jane takes over the task and completes the second half of the task, the task will be completed in 45 days. How long will Jose take to complete the task if he worked alone? Assume that Jane is more efficient than Jose.

- a) 25 days            b) 30 days            c) 60 days            d) 65 days

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8. A can complete a project in 20 days and B can complete the same project in 30 days. If A and B start working on the project together and A quits 10 days before the project is completed, in how many days will the project be completed?

- a) 18 days      b) 27 days      c) 26.67 days      d) 16 days

9. Braun invested a certain sum of money at 8% p.a. simple interest for 'n' years. At the end of 'n' years, Braun got back 4 times his original investment. What is the value of n?

- a) 50 years                      b) 25 years  
c) 12 years 6 months      d) 37 years 6 months

10. Shawn invested one half of his savings in a bond that paid simple interest for 2 years and received Rs. 550 as interest. He invested the remaining in a bond that paid compound interest, interest being compounded annually, for the same 2 years at the same rate of interest and received Rs. 605 as interest. What was the value of his total savings before investing in these two bonds?

- a)Rs. 5500      b)Rs. 11000      c)Rs. 22000      d)Rs. 2750

11. The ratio of the age of a gentleman and his wife is 4 : 3. After 4 years this ratio will be 9 : 7. If at the time of their marriage the ratio was 5 : 3, how many years ago they were married?

- a) 10 years      b) 8 years      c) 12 years      d) 15 years

12. A certain quantity of rice is spent daily for 30 students in a hostel. One day some students were absent as a result, the quantity of rice has been spent in the ratio of 6 : 5. How many students were present on that day?

- a) 24      b) 20      c) 15      d) 25

13. The ratio of daily wages of two workers is 4 : 3 and one gets daily Rs 9 more than the other, what are their daily wages?

- a) Rs 32 &Rs 24                      b) Rs 60 &Rs 45  
c) Rs 80 &Rs 60                      d) Rs 36 &Rs 27

14. Find the ratio of purchase price and sell price if there is loss of 12.5%.

- a) 7 : 8      b) 8 : 7      c) 2 : 25      d) 25 : 2

15. What sum of money is to be divided among 3 men in the ratio 3 : 4 : 5 so that the third man receives Rs 10 only?

- (a) Rs 56      (b) Rs 84      (c) Rs 120      (d) Rs 2

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16. A car travels a certain distance taking 7 hrs in forward journey, during the return journey increased speed 12km/hr takes the times 5 hrs. What is the distance travelled

- a) 210 kms      b) 30 kms      c) 20 kms      d) none of these

17. A train of length 150 metres takes 40.5 seconds to cross a tunnel of length 300 metres. What is the speed of the train in km/hr?

- a) 13.33      b) 26      c) 40      d) Data Insufficient

18. In an examination it is required to get 40% of the aggregate marks to pass. A student gets 261 marks and is declared failed by 4% marks. What are the maximum aggregate marks a student can get?

- a) 700      b) 730      c) 745      d) 725

19. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work?

- a) 10      b) 13      c) 14      d) 15

20. A speed of 14 metres per second is the same as:

- a) 28 km/hr      b) 46.6 km/hr      c) 50.4 km/hr      d) 70 km/hr

21. The average of the first four of five numbers is 40 and that of the last four numbers is 60. The difference of the last and the first number is:

- a) 400      b) 200      c) 40      d) 8

22. 20 laborers can do a work in 20 days if everybody works for 6 hours daily. Then 25 laborers can do the same work in 12 days by working daily for:

- a) 8 hours      b) 6 hours      c) 4 hours      d) 10 hours

23. If 20% of A = 30% of B = 1/6th of C, then A : B : C is:

- a) 2 : 3 : 16      b) 3 : 2 : 16      c) 10 : 15 : 18      d) 15 : 10 : 1

24. A man retired from his service at the age of 60. He served for 3/5th years of his retirement age. He joined his job at the age of:

- a) 36 years      b) 24 years      c) 18 years      d) 30 years

25. A number is increased consecutively two times by 20% each. The original number is actually increased by:

- a) 40%      b) 42%      c) 44%      d) 20%

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## Section 2: General Awareness (25 questions)

1) The longest tunnel in India at Kashmir rail link project, which connects Banihal town with Qazigund in south Kashmir, passes underneath from which one of the following Mountain?

- a) Karakoram                      b) Jaskar                      c) Leh                      d) PirPanjal

2) The third Indian Youth Science Congress has to be held from November 3 to 5, at which one of the given cities?

- a) New Delhi                      b) Karnal                      c) Meerut                      d) Gandhi Nagar

3) Roger Spottiswoode, best known for his James Bond film 'Tomorrow Never Dies', is working on a movie on which among the following Indian genius legend?

- a) C. Venkatraman                      b) M. Vishweshwaraiya  
c) S. Ramanujan                      d) H.J. Bhabha

4) According to 'Slums in India – A statistical compendium 2011' published by the Union government of India, which one of the following city has the highest proportion of slum child population?

- a) Delhi                      b) Chandigarh                      c) Mumbai                      d) Bengaluru

5) A 'Murtisthapna' (statue installation) function was recently performed at the ShriChanderChinar temple, Srinagar (J&K), after a gap of over two decades. The temple belongs to which one of the following community?

- a) Hindu                      b) Baudha                      c) Jain                      d) A Primitive Tribe

6) John AgyekumKufuor, the former president of Ghana, is recently awarded with which one of the following prizes?

- a) Green Earth Prize-2011                      b) World Food Prize-2011  
c) Environment Preservation Prize-2011                      d) World Peace Prize-2011

7) Recently British coach Steve Darby resigned from his post. He belonged to which one of the football teams, given below?

- a) Churchill Brothers                      b) Mahindra and Mahindra  
c) MohunBagan                      d) East Bengal

8) The AP Transco has bagged the prestigious '5th Enertia National best performing State power utility award' for its excellent performance in which one of the following sector?

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- a) Increasing nuclear power generation                      b) Increasing Hydroelectric power generation  
c) Carrying electrification in far rural areas                d) Reducing transmission and distribution losses

9) Cricket player Sunil Gavasker was recently appointed as brand ambassador for Balika Bachao Campaign, has been launched by which one of the following body?

- a) Government of India    b) National Women Commission  
c) Indian Medical Association                                      d) National Human Rights Commission

10) A conference on wood science, of Japan, Indonesia, China, Turkey, Cameroon and India, on October 2011, was held in which one of the countries given below?

- a) India                      b) Turkey                      c) Indonesia                      d) Cameroon

11) Shrilal Shukla and another Hindi author were honoured with the country's highest literary honour Jnanpith for 2009. Who among the following is the other author?

- a) Kamleshwar                      b) Giriraj Kishor  
c) Kunwar Narayan                      d) Amar Kant

12) Shahida Shabnam from Kupwara in Kashmir, who brought alive the anguish of women in the Valley through words in her native language, recently honoured with which one of the awards given below, for 2011?

- a) Sahitya Academy Award                      b) Sanskriti Award                      c) Vyas Award                      d) Kabir Award

13) Sun Borne Energy recently has joined hands with Europe-based IPP Eoxis Energy for executing the 15 MW solar photovoltaic (PV) projects being built in which one of the states of India, given below?

- a) Maharashtra                      b) Madhya Pradesh                      c) Rajasthan                      d) Gujarat

14) 'ABLF woman of power award' in 2011, by the Asian Business Leadership Forum, conferred to Hind S. Bhawan, Chairperson of the Chennai-based Bahwan CyberTek and Director, Suhail Bahwan Group. She represented which part in Asia?

- a) India                      b) South East Asia                      c) Gulf Area                      d) Middle Asia

15) R. Athira of Kerala won gold in the women's (individual) in the final, in the third Federation Cup championship. She belongs to which one of the sports given below?

- a) Swimming                      b) Fencing, foil event                      c) Badminton                      d) Weightlifting

16) The National Council of Rural Institutes, celebrated its 16th Foundation Day on 19th October 2011, is an autonomous body under which portfolio of the Government of India?

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- a) Human Resource Development                      b) Rural Development  
c) Higher Education                                      d) Science and Technology

17) Aman Sethi, the Chhattisgarh correspondent, has won the 'International Committee of the Red Cross award' for the best Indian print media article on humanitarian issues. He belongs to which one of the following newspaper?

- a) The Times of India    b) The Hindu    c) Janasatta    d) Dainik Jagaran

18) Students hoping to clinch a seat in undergraduate courses of any of the Indian Institutes of Technology, will now have to score how much per cent of marks in each subject in the qualifying exams, from the 2012 academic year onwards?

- a) 10%                      b) 20%                      c) 30%                      d) 40%

19) The 12th International mineral processing technology conference (MPT-2011), is going to be held at which one of the following city?

- a) Dhanbad                      b) Nellore                      c) Dharwad                      d) Udaipur

20) Justice M.B. Shah Commission is making its inquiry against which one of the following case?

- a) Gujarat riots                      b) 2G spectrum scam

c) Illegal mining and exports in various states

d) Three Chhattisgarh villages ruthlessly torched by police commandos in March 2011

21) How many members are there in the committee which had been constituted to probe the charges against Justice Sen?

- a) Two                      b) Three                      c) Four                      d) Six

22) Jehangir Sabavala was a famous:

- a) economist                      b) scientist                      c) artist                      d) journalist

23) Which ministry has launched 'Sukhi Griha Scheme'?

- a) Ministry of Agriculture                      b) Ministry of Health  
c) Ministry of Home Affairs                      d) Ministry of Railways

24) "Tin Bigha Corridor" is located between:

- a) India & Pakistan                      b) India & Nepal                      c) India & Bangladesh                      d) India & Myanmar

25) 'Dreamliner' is nickname of:

- a) Boeing's 787 Aircraft
- b) Famous car
- c) Boeing's 747 Aircraft
- d) Boeing's 737 Aircraft

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