

# JUNIOR LAB ASSISTANT

Exam Conducted on 25-11-2006

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1. Who was the Congress President when India attained Independence?  
(a)Jawaharal Nehru (b)Sardar Patel  
(c)J.B. Kripalani (d)Rajendra Prasad
2. The Macmohan line is the international border between:  
(a)India and China (b)India and Pakistan  
(c)India and Bangladesh (d)India and Bhutan
3. In which State of India is the headquarters of Oil and Natural Gas Commission located?  
(a)Assam (b)Gujarat (c)Maharashtra (d)Uttar Pradesh
4. The Total population of India on the basis of 2001 census was nearer to the figure  
(a) 700 million (b)780 million (c) 850 million (d)1027 million
5. Which country is known as the 'Land of the Rising Sun'?  
(a)Japan (b)China (c)Mongolia (d)Taiwan
6. The currency of Russia is:  
(a)Dollar (b)Pound (c)Rouble (d)Euro
7. The Finance Commission is normally expected to be constituted after a periodof:  
(a)3 years (b)4 years (c)5 years (d)6 years
8. There is no provisions for the impeachment of ..... in the Constitution of India  
(a)The President (b)The Governor  
(c)The Chief Justice (d)The Prime Minister
9. Which among the following National Highway route is the longest?  
(a)Agra-Mumbai (b)Delhi- Kolkata  
(c)Chennai-Thane (d)Varanasi-Kanyakumari
10. Who is the supreme commander of Indian Armed Forces?  
(a)President (b)Vice-President (c)Prime Minister(d)Speaker
11. The longest river in India is  
(a)Brahamputra (b)Ganga (c)Yamuna (d)Godavari
12. The first general election to the Lok Sabha were held in:  
(a) 1952 (b) 1953 (c) 1956 (d) 1959
13. Kurukshetra is situated in the state of:  
(a) Bihar (b)Hariyana  
(c)Madhya Pradesh (d)Uttar Pradesh
14. Who is known as Indian Napoleon?  
(a)Chandra Gupta (b)Samudra Gupta  
(c)Kumara Gupta (d)Chatrapati Sivaji
15. Which is the capital of Jharkhand?  
(a)Chandigarh (b)Raipur (c)Imphal (d)Ranchi
16. Which disease is caused by virus?  
(a)Diarrhoea (b)Filaria (c) Measles (d)Typhoid
17. Who is the father of cloning?  
(a)Gregor Mendel (b)Jarad Fisher (c)Watson (d)Iyan Wilmut
18. Which is the longest bone in the human body?  
(a)Arm (b)Rib cage (c)Vertebral column (d) Thigh
19. Which date is known as World Environment Day?  
(a)June 5 (b)July 11 (c)August 9 (d)September 16
20. Who is known as the father of green revolution in India?  
(a)Dr.S. Chandrasekhar (b)Dr. Varghese Kurian  
(c)Dr. M.S. Swaminathan (d)Dr. Mahesh Sharma
21. Who invented Electric Razor?  
(a)Charls H. Downs (b)Gillet (c) Rojan Bekkan(d)Jacob Shik

22. The largest gland in human body is:  
(a) Liver (b)Pancreas (c)Spleen (d)Pituitary gland
23. The Hepatitis B which affects liver is actually a:  
(a)Bacterium (b)Virus (c) Helminth (d)Protozoan
24. Ginger is an example of:  
(a)Bulb (b)Corn (c)Rhizome (d)Tuber
25. Lactometer is an instrument used to check the:  
(a) Density of milk (b) Purity of milk (c) Nature of milk (d) Quantity of milk
26. Name of the Atom Bomb put by America in Hiroshima is:  
(a)Enola gay (b)Fatman (c)Little boy (d)None of these
27. The term 'Libro' is associated with the game:  
(a)Football (b)Volley ball (c)Basket ball (d)Hockey
28. Which is the National game of Russia?  
(a)Cricket (b)Hockey (c)Chess (d)Bull fighting
29. How many players required on each side of basket ball?  
(a)4 (b)5 (c)6 (d)9
30. World Cup Football 2006 held at:  
(a)Italy (b)England (c)Germany (d)Spain
31. Who is the present Home Minister of India?  
(a)Ghulam Nabi Azad (b) Shivaraj V. Patil  
(c)Pranab Mukherjee (d) K. Natwar Singh
32. Who is the present Chairman of I.S.R.O?  
(a)G. Madhavan Nair (b) B.N. Suresh  
(c)S.K. Sharma (d)Anil Kakodhar
33. Dada Saheb Phalke award 2004 was given to:  
(a)Adoor Gopalakrishnan (b)Shaji N.Karun  
(c)Mrinal Sen (d)Amitabh Bachan
34. Bharatnatya is originated from:  
(a)Andra Pradesh (b)Tamil Nadu (c)Kerala (d)Orissa
35. Which is the art form in Kerala got approved by UNESCO?  
(a)Kathakali (b)Koodiyattam (c)Mohiniyattam(c)Theyyam
36. Buddhist literature was written in:  
(a) Tamil (b)Sanskrit (c)Prakrit (d)Pali
37. Vallathol Award for 2004 was awarded to:  
(a)Dr. K. Ayyappa Paniker (b)Dr. M. Leelavathy  
(c)Sara Joseph (d)T. Padmanabhan
38. The author of 'Da Vinci Code' is  
(a)Sydney Sheldon (b)J.K. Rowling (c)Mark Twain (d)Dan Brown
39. Colour of Black box in an aeroplane is:  
(a) Black (b)Green (c)Orange (d)Yellow
40. Who is known as 'Thikkodiyar'?  
(a)N. Kuttikrishna Pillai (b)P.Kunjananthan Nair  
(c)K.S. Krishna Pillai (d)M. Vasudevan Nair
41. Which is the state with highest population growth rate?  
(a)Kerala (b)Nagaland  
(c)Madhya Pradesh (d) Uttar Pradesh
42. Which is the garden city of India?  
(a)Hyderabad (b)Delhi (c) Bangalore (d)Secundrabad
43. How many languages are included in the Constitution of India?  
(a) 14 (b) 19 (c) 15 (d) 18
44. Which is the largest Peninsula in the world?  
(a)Arabia (b)Denmark (c) South India (d)Sweden
45. Who first referred Mahatma Gandhi as the Father of Nation?  
(a)Balagangadhara Tilak (b)Sardar Vallabhai Patel

- (c)Subhash Chandra Bose (d)Rabindranath Tagore
46. Which musician composed the raga 'Priyadarshini' on Mrs. Indira Gandhis death?  
 (a)Amjad Ali Khan (b)Ali Akbar Khan  
 (c)Allauddin Khan (d)Dakshina Moorthy
47. The words 'Satyameva Jayate' is taken from  
 (a)Isavasopanishad (b)Katopanishad  
 (c)Kenopanishad (d)Mundakopanishad
48. The biggest democratic country in the world  
 (a)America (b)India (c)Britain (d)Pakistan
49. Who was the first woman Chief Minister in India?  
 (a)Sarojini Naidu (b)Nandini Satpati  
 (c)Sucheta Kripalani (d)Padmaja Naidu
50. The monuments Red Fort in Delhi was built up by:  
 (a)Babar (b)Alauddin Khilji  
 (c)Qutab Uddin Aibak (d)Shajahan
51. The mass of a body is double and its velocity increases by three times, its kinetic energy becomes:  
 (a)18 times (b)12 times (c)6 times (d)5 time
52. The light produced by sodium vapour lamp is:  
 (a)Green (b)Yellow (c) White (d) Orange mixed with red
53. Temporary hardness of water is due to the presence of  
 (a)Calcium carbonate (b)Calcium chloride  
 (c)Calcium sulphate (d)Calcium bicarbonate
54. A metal existing in the free state is:  
 (a) Gold (b)Mercury (c)Aluminium (d)Sodium
55. A man has six daughters. What is the probability of next child being a son?  
 (a) 10% (b)50% (c) 100% (d)75%
56. World Environment Day:  
 (a)5th July (b)15th July (c)5th June (d)5th May
57. Which is true about enzymes?  
 (a)All enzymes are not proteins (b)All enzymes are vitamins  
 (c)All enzymes are proteins (d)All proteins are enzymes
58. T.N.T. is produced by the nitration of :  
 (a)toluene (b)benzene (c)chloral (d)propene
59. The smallest particle of a substance is  
 (a)Element (b)Atom (c)Compound (d)Molecule
60. A substance which can liberate iodine from potassium iodide is  
 (a)Potassium bromide (b)Potassium hydroxide  
 (c)Potassium sulphate (d)Potassium peroxy sulphate
61. 20g hydrogen peroxide out of 40g decomposed in 5 seconds. The rate of decomposition is ..... g/s.  
 (a)1/2 (b)2 (c)4 (d)8
62. Sleeping pills belong to the ground of chemicals called:  
 (a)stimulants (b)hallucinogens (c)narcotics (d)tranquillisers
63. Red blood cells live only upto..... days.  
 (a)Anal glands (b)Adrenal glands  
 (c)Bartholins gland (d)Prostate gland
- 64.Scent producng glands are  
 (a) Annal gland (b)Adrenal glands  
 (c) Bartholins (d) Prostate glands
65. What is wrong about xerophytes?  
 (a)sunken stomata (b)small spiny leaves  
 (c)thick cuticles (d)larger number of stomata
66. In a star connection, the voltage at the point where the three phases meet is:  
 (a) 230V (b) Zero (c)110 V (d) 400V
67. Natural radioactivity was discovered by:

- (a)Frederic Joliot (b)Marie Curie (c)Henry Becquerel (d)Ruther Ford
68. The nuclear fuel present in monozite is:  
 (a)thorium (b)neptunium (c)radium (d)polonium
69. In electronics..... is known as the wonder child of electrons  
 (a)Computer (b)Transistor (c)I.C.Chips (d)Robots
70. Combination of two light nuclei to form a heavier nucleus with the release of energy is known as:  
 (a)nuclear fission (b)nuclear fusion (c)transmutation(d)moderator
71. Aluminium was first isolated by  
 (a)Charles Martin Hall (b)Issac Newton  
 (c)Paul Heroult (d)Oersted
72. Which flavouring agent is used in fast food items?  
 (a)Erithrocine (b)Esters  
 (c)Mono sodium glutamate (d)Carmine
73. The ideal requisite of forest land in a country is ..... percent of the total land area  
 (a) 33 (b) 19 (c) 55 (d) 40
74. The term ecology was coined by:  
 (a)Aristotle (b)Reiter (c)Linnaeus (d)Odum
75. The sum total of populations of the same kind of organisms constitute:  
 (a)Colony (b)Genus (c)Community (d)Species
76. Which bicarbonate is used in fire extinguishers?  
 (a)Sodium bicarbonate (b)Calcium bicarbonate  
 (c)Potassium bicarbonate (d)Calcium carbonate
77. Molecular formula of Plaster of Paris  
 (a) CaSO<sub>4</sub> (b)CaSO<sub>4</sub> ½ H<sub>2</sub>O (c)CaSO<sub>4</sub> H<sub>2</sub>O (d)CaSO<sub>4</sub>H<sub>2</sub>O
78. Metals are conductor of electricity. Why?  
 (a)become ions (b)become ionic nature  
 (c)attain octet electron configuration  
 (d)having free electrons in ourter most shell
79. Which of the following gives acid properity to vinegar?  
 (a)Carbolic acid (b)Lactic acid (c)Acetic acid (d)Citric acid
80. Rickettsiae constitute a group under:  
 (a)Bacteria (b)Viruses  
 (c)independent group between bacteria and viruses (d)Fungi
81. Chromosomes other than sex chromosomes are called.  
 (a)Allosomes (b)Autosomes  
 (c)Microsomes (d)None of the above
82. Bacterial activity is maximum at:  
 (a)Low temperature (b)High temperature  
 (c)Moderate temperature (d)Moderately high temperature
83. The equation which used to determine the rate of change of momentum is  
 (a)  $\frac{m(v-u)}{t}$  (b)  $\frac{m(v-u)}{t}$  (c)  $\frac{m(v_2-u_2)}{t}$  (d)  $\frac{t(v_2-v_1)}{m}$
84. The force of attraction which stick the water particle at the window glass is:  
 (a)friction (b)cohesion (c)buoyant force(d)adhesion
85. Ozone layer is made up of by ..... molecules  
 (a)nitrogen (b)carbon (c)oxygen (d)phosphorous
86. An alloy which is used to make permanent magnet is:  
 (a)Alnico (b)Stainless steel (c)German silver (d)Solder
87. The force that keeps a revolving body to its orbits is:  
 (a) its weight (b)its centripetal force  
 (c)its inertia (d)its centrifugal force

88. Time - Velocity graph:  
 (a)parallel to the velocity axis (b)perpendicular to time axis  
 (c)parallel to the time axis  
 (d)perpendicular to the direction of motion
89. The starter motor in a car draws approximately an electric current of ..... ampere  
 (a)110 (b)50 (c)80 (d)100
90. Chromosome is made of:  
 (a)DNA (b)DNA and Proteins  
 (c)RNA and proteins (d)DNA, RNA and proteins
91. The substance which increases the rate of decomposition of hydrogen peroxide is  
 (a)MgO (b)MnO<sub>2</sub> (c) NaCl (d) KMnO<sub>4</sub>
92. The cooking gas used in our home is:  
 (a)ethane (b)methane (c)butane (d)benzyne
93. Bourdeaux mixture is made by mixing lime water with:  
 (a)Copper sulphate (b)Zinc oxide  
 (c)Copper oxide (d)Copper carbonate
94. Sun burn is caused by:  
 (a)X-ray (b)Ultra violet ray (c)Infrared ray (d)Gamma ray
95. In a T.V. screen the motion effect is made possible by the :  
 (a)reflection (b)diffraction  
 (c)scattering (d)persistence of vision
96. The largest available form of fossil fuel is:  
 (a)petroleum (b)natural gas (c)biogas (d)coal
97. The soil erosion can be prevented by:  
 (a)overgrazing (b)deforestation (c)afforestation (d)none of these
98. During emergency, which of the following hormone is important?  
 (a)aldosterone (b)adrenaline (c)thyroxine (d)calcitonin
99. The normal length of spinal cord is ..... cms in human being  
 (a) 45 (b) 30 (c) 80 (d) 60
100. Calamine is an ore of:  
 (a)copper (b)lead (c)zinc (d)tin

## Answers

1. (c)      2. (a)
3. No Right Answer in the Choices
4. (d)      5. (a)      6. (c)      7. (c)      8. (b)      9. (d)
10. (a)      11. (b)      12. (a)      13. (b)      14. (b)      15. (d)
16. (c)      17. (d)      18. (d)      19. (a)      20. (c)      21. (d)
22. (a)      23. (b)      24. (c)      25. (a)      26. (b)      27. (b)
28. No Right Answer in the Choices
29. (b)      30. (c)      31. (b)      32. (a)      33. (a)      34. (b)
35. (b)      36. (d)      37. (a)      38. (d)      39. (c)      40. (b)
41. (b)      42. (c)      43. No Right Answer in the Choices
44. (a)      45. (c)      46. (a)      47. (d)      48. (b)      49. (c)
50. (d)      51. (a)      52. (b)      53. (d)      54. (a)      55. (b)

56. (c)      57. (c)      58. (a)      59. (d)      60. (-)      61. (c)  
62. (d)      63. (c)      64. (a)      65. (d)      66. (b)      67. (c)  
68. (a)      69. (b)      70. (b)      71. (d)      72. (c)      73. (a)  
74. No Right Answer in the Choices      75. (d)      76. (a)      77. (b)  
78. (d)      79. (c)      80. (a)      81. (b)      82. (d)      83. (c)  
84. (d)      85. (c)      86. (a)      87. (b)      88. (-)      89. (-)  
90. (b)      91. (b)      92. (c)      93. (a)      94. ( )      95. ( )  
96. ( )      97. (c)      98. (b)      99. (a)      100. (c)

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