

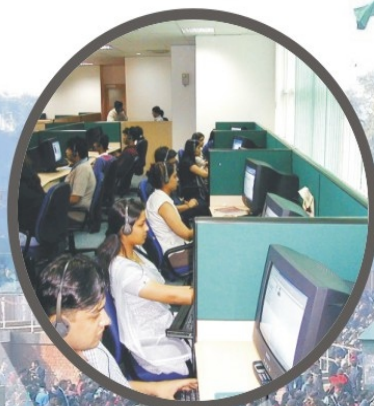
 UPKAR'S

DRDO

TECHNICAL ASSISTANT

Electronics & Telecommunication

DIPLOMA LEVEL



**Dr. LAL, Dr. SINHA
&
NEETU SINGH**



 **UPKAR'S**
DRDO
TECHNICAL ASSISTANT
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By
Dr. Lal, Dr. Sinha & Neetu Singh

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GENERAL INFORMATION ABOUT EXAM.

- **Age**

As on closing date candidate must be between 18 and 28 years. (Relaxable for SC/ST/OBC/ESM/PWD etc. as per Government Rules)

- **Essential Qualification**

B.Sc. degree or Three years Diploma in Electronics and Communication, or Electronics and Telecommunication Engineering from recognized University/ Technical Board/Institute.

- **Scheme of Examination**

The written examination will be OMR based and of two hours duration consisting of 150 objective type multiple choice questions. The written test will consist of (i) 50 questions on General Awareness, General Intelligence, Reasoning Ability, General Science and (ii) 100 questions on subject concerned.

- **Syllabus & Medium of Examination**

The syllabus of the examination will be based on the standards of essential qualification required for the post. The medium of Written Examination will be Hindi or English.

OBJECTIVE

General Knowledge

Practice Test

Put a tick mark (✓) in the correct answer in the following questions :

Example :

Mention the writer of 'Anand Math' :

- (a) Harindra Nath Chattopadhyaya
- (b) Bankim Chandra Chatterjee
- (c) Rabindra Nath Tagore
- (d) Mulk Raj Anand

Ans. (b)

1. The Indira Gandhi Prize for Peace, Disarmament and Development for 2013 has been conferred on :
 - (a) Angela Merkel
 - (b) Sonia Gandhi
 - (c) Barack Obama
 - (d) Robert Gebeisa
2. Who was crowned with Miss World title for 2013 ?
 - (a) Amrita Patki (b) Zhang Zi Lin
 - (c) Amrita Thapar (d) Megan Young
3. The 5th BRICS Summit was held in March 2013 at :
 - (a) New Delhi (b) Havana
 - (c) Tehran (d) Durban
4. Who was the first woman Deputy Secretary General of the United Nations ?
 - (a) Sharmilla Tagore
 - (b) Shamshad Akhtar
 - (c) Girija Vyas
 - (d) Asha Rose Migiro
5. Who is the author of the book 'A Call to Honour : In the Service of Emergent India' ?
 - (a) Khushwant Singh
 - (b) Jaswant Singh
 - (c) Amartya Sen
 - (d) Rafiq Zakaria
6. Who was crowned with Miss India Worldwide title for 2014 ?
 - (a) Monika Gill
 - (b) Pooja Gupta
 - (c) Ankita Patki
 - (d) Amrita Thapar
7. The Nobel Prize for Economics for 2013 has been conferred on :
 - (a) Eugene F. Fema
 - (b) Lars Peter Hanson
 - (c) Robert J. Shiller
 - (d) All of the above
8. Who is the author of 'Wedding Album' ?
 - (a) Shobha De (b) Girish Karnard
 - (c) Shashi Pandey (d) Amit Chaudhary
9. The new Foreign Secretary of India is—
 - (a) Sujata Singh
 - (b) R. K. Singh
 - (c) Ajit Seth
 - (d) Nirupama Rao
10. In which Shakespearean Drama is Desdemona a character ?
 - (a) Hemlet
 - (b) The Merchant of Venice
 - (c) Othello
 - (d) As You Like It
11. Who said, "Fools rush in where angels fear to tread ?"
 - (a) The Bible
 - (b) John Milton
 - (c) Alexander Pope
 - (d) Dr. Samuel Johnson
12. James Bond is a character created by :
 - (a) Ian Fleming
 - (b) P.G. Wode House
 - (c) Perry Mason
 - (d) Erl Stanley Gardener
13. The famous work of Leo Tolstoy is :
 - (a) The Merchant of Venice
 - (b) Illiad
 - (c) War and Peace
 - (d) Great Expectations

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14. "I have not become His Majesty's First Minister to preside over the liquidation of the British Empire." Who said it ?
(a) Clement Attlee
(b) Winston Churchill
(c) Chamberlain
(d) Anthony Eden
15. In which year was English recommended as the medium of instruction for higher education in India by Lord Macaulay ?
(a) 1835 (b) 1833
(c) 1858 (d) 1821
(e) None of the above
16. The Arab invasion of Sind took place in :
(a) 66 A.D. (b) 326 B.C.
(c) 712 A.D. (d) 1191 A.D.
17. The 193rd member of the United Nations is :
(a) Tuvalu
(b) South Sudan
(c) Tonga
(d) Kiribati
18. Which one of the following universities was not established by Lord Dalhousie ?
(a) Bombay (b) Madras
(c) Delhi (d) Calcutta
19. The Third Battle of Panipat was fought between :
(a) The British and the French
(b) The Marathas and the British
(c) The Mughals and Shershah Suri
(d) Ahmed Shah Abdali and the Marathas
20. India liberated Goa from the Portuguese in :
(a) 1948 (b) 1965
(c) 1961 (d) 1960
21. Which battle made the British rule in India finally supreme ?
(a) Battle of Plassey (1757) between British forces under Clive and the ruler of Bengal, Sirazudaulla
(b) Battle of Buxar (1764) between British forces under Munroe and the Muslim rulers Shuja-ud-Daulah and Shah Alam II
(c) 3rd Mysore War (1790-92) between the British and Tipu Sultan
(d) 4th Mysore war (1799) between British forces under Wellesley and Tipu Sultan
22. Who was the British Governor General in India in whose reign a part of Charter Act read like this, "No native of India, nor natural born subject of His Majesty, should be disabled from holding any place, office of employment by reason of his religion, place of birth, descent or colour" ?
(a) Lord Cornwallis
(b) Lord Hastings
(c) Lord William Bentinck
(d) Lord Dalhousie
23. Who was the founder of Saka era ?
(a) Kaniska
(b) Chandra Gupta Maurya
(c) Samudra Gupta
(d) Chandra Gupta Vikramaditya
24. Tick out the names of the two countries in which the relics of cultural influence of ancient India are still present in the form of temples :
(a) Egypt (b) Malaya
(c) Cambodia (d) Indonesia
(e) Thailand
25. Name one of the most illustrious kings in each of the following dynasties :
I. Guptas :
(a) Skand Gupta
(b) Chandra Gupta II
(c) Ram Gupta
(d) None of these
II. Mughals :
(a) Akbar (b) Shahjehan
(c) Aurangzeb (d) None of these
26. In which year was (I) Akbar born and (II) in which year did he die ?
I. (a) 1530
(b) 1542
(c) 1545
(d) 1528

- II. (a) 1605 (b) 1660
(c) 1603 (d) 1604
27. To which dynasty did the following belong ?
- I. Elizabeth I :
(a) Tudor (b) Stuart
(c) House of Hanover
(d) None of these
- II. Ashoka :
(a) Gupta (b) Maurya
(c) Vardhan (d) None of these
- III. Sultan Razia :
(a) Khilji (b) Tughlaq
(c) Slave (d) None of these
28. What are the most important events of the following dates ?
- I. 24–10–1945 :
(a) The end of 2nd World War
(b) Dropping of Atom Bomb on Hiroshima and Nagasaki in Japan
(c) The founding of the U.N.O.
(d) None of these
- II. 16–12–1971 :
(a) Man set foot on the moon for the first time
(b) Liberation of Bangladesh
(c) Outbreak of hostilities between India and Pakistan
(d) India accorded recognition to the Republic of Bangladesh
29. India's Fragile Borderlands is the book written by :
(a) Taslima Nasrin
(b) Nayantara Sehgal
(c) Archana Upadhyay
(d) Anita Desai
30. Name the battle in which Caesar defeated Pompei in 48 A.D. :
(a) Battle of Pharsalus
(b) Battle of Thermopylae
(c) Battle of Salamis
(d) None of these
31. In which year was the Spanish Armada defeated by the British ?
(a) 1588 (b) 1589
(c) 1603 (d) 1590
32. In which year did the Glorious Revolution which put an end to the despotic rule of the Stuarts in England and made Parliament supreme, take place ?
(a) 1660 (b) 1688
(c) 1689 (d) 1648
33. Name the world personality who came to top in the French Revolution :
(a) Voltaire
(b) Napoleon Bonaparte
(c) Rousseau
(d) Robespierre
34. Who was the King of France at the time of French Revolution ?
(a) Louis XVI (b) Louis XV
(c) Louis XIV (d) Louis XVII
35. Which country topped the medals tally in the 30th Olympic Games held in London in August 2012 ?
(a) U.S.A. (b) England
(c) India (d) Canada
36. When was the Magna Carta signed by King John of England ?
(a) 1217 (b) 1215
(c) 1066 (d) 1212
37. What important events of world history are associated with the following years ?
- I. 1789 :
(a) French Revolution
(b) American Declaration of Independence
(c) Both (a) and (b)
(d) None of these
- II. 1815 :
(a) Battle of Trafalgar
(b) Battle of Waterloo
(c) Crimean War
(d) None of these
38. With which Battle or war was Joan of Arc associated ?
(a) Battle of England
(b) 100 Years' War
(c) Seven Years' War

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- (d) Battle of Hastings
(e) None of the above
39. The main allies of England in the World War II were :
(a) France, Austria and Italy
(b) France, U.S.A. and U.S.S.R.
(c) U.S.A., France and Belgium
40. Which is the place of worship of the Jews ?
(a) Fire temple (b) Mosque
(c) Church (d) Synagogue
41. Which is the religious book of the Parsis ?
(a) Quran
(b) Torah
(c) Zend Avesta
(d) None of the above
42. Which is the national animal of India ?
(a) Lion (b) Tiger
(c) Leopard (d) Cow
43. Which is the national flower of India ?
(a) Lotus (b) Rose
(c) Marigold (d) Sun flower
44. Who painted the portrait of Mona Lisa lying in the Louvre Museum at Paris ?
(a) Sir Noel Paton
(b) Leonardo da Vinci
(c) Pablo Picasso
(d) Machael Angelo
45. Name the following :
I. According to the 2011 census figures, what is the total population of India ?
(a) 1,21,05,69,573
(b) 12,01,93,322
(c) 1,23,01,94,422
(d) 1,24,02,95,422
II. Garden city in the World :
(a) New York (b) Tokyo
(c) Chicago (d) London
III. Most populated State in India :
(a) Madhya Pradesh
(b) Bihar
(c) Uttar Pradesh
(d) Andhra Pradesh
- IV. The language in India in which the largest number of newspapers and periodicals are published :
(a) English (b) Telugu
(c) Hindi (d) Marathi
46. Which is the National Anthem of India ?
(a) Vande Mataram
(b) Jana Gana Mana
(c) Sare Jahan Se Achchha Hindustan Hamara
(d) Jhanda Uncha Rahe Hamara
47. The supreme Command of Indian armed forces is vested in :
(a) The Prime Minister of India
(b) The President of India
(c) The Defence Minister of India
(d) None of the above
48. How many times can a person be elected as President of U.S.A. ?
(a) Three times (b) Two times
(c) No limit (d) Four times
49. Which is the more powerful House of Legislature at the centre in India ?
(a) Rajya Sabha (Upper House)
(b) Lok Sabha (Lower House)
(c) Both are equally powerful
(d) None of these
50. Which statutory official in India can participate in Lok Sabha discussions but can not vote ?
(a) Chief Election Commissioner
(b) Attorney General
(c) Comptroller and Auditor General
(d) Chairman Finance Commission
51. The President of India can be removed from office by :
(a) The Lok Sabha by passing a resolution
(b) The Parliament through impeachment
(c) The Chief Justice of India
(d) The Prime Minister
52. Which of the following is India's first Nuclear Submarine ?
(a) INS Virat
(b) INS Vikrant

- (c) INS Arihant
(d) INS Shivaji
53. The Parliamentary Committee which scrutinizes the report of the Comptroller and Auditor General of India is :
(a) Estimates Committee
(b) Select Committee
(c) Public Accounts Committee
(d) None of the above
54. The best actress award in the 15th IIFA Awards announced in April 2014 was conferred on :
(a) Robert Downey
(b) Meryl Streep
(c) Deepika Padukone
(d) None of these
55. The Judges of the Supreme Court of India hold office till they attain the age of :
(a) 60 years
(b) 62 years
(c) 65 years
(d) None of the above
56. Which film bagged the best feature film in 61st National film award for 2013 ?
(a) Deool (Marathi)
(b) Fandry (Marathi)
(c) Ship of Theseus (Eng-Hindi)
(d) Bhaag Milkha Bhaag (Hindi)
57. Which one is not a Fundamental Right in the Constitution of India ?
(a) Right to Equality
(b) Right to Liberty
(c) Right against exploitation and forced labour
(d) Right to Property
58. Under what Article of the Constitution of India can the President take over the administration of a State in case its constitutional machinery breaks down ?
(a) Article 83 (2) (b) Article 352
(c) Article 356 (d) Article 343
59. Habeas Corpus is :
(a) An order from a higher court to stop proceedings in a case and follow the specified alternative course
(b) An order from a court to any official to show his right to the office
(c) An order from a superior court to a lower court to do a specific work
(d) An order from the court to produce the man held under illegal detention
(e) None of the above
60. How many languages are recognised by the Constitution of India in the 8th Schedule ?
(a) 14 (b) 16
(c) 22 (d) 12
61. The World Investment Report (WIR) is published by which of the following bodies ?
(a) International Monetary Fund (IMF)
(b) United Nations Conference on Trade and Development (UNCTAD)
(c) International Development Agency (IDA)
(d) World Bank
62. ISRO successfully launched PSLV-C23 on June 30, 2014 from Satish Dhawan Space Centre Sriharikota. How many satellites of foreign countries injected through PSLV-C23 into orbit ?
(a) 4 (b) 5
(c) 6 (d) 7
63. Where are tanks manufactured in India ? What is the name of the Indian made Main Battle Tank ?
I. (a) Avadi (b) Perambur
(c) Bhadravati (d) Kirkee
II. (a) Garuda (b) Arjun
(c) Maruti (d) Ajeya
64. What is the lowest commissioned rank in the Indian Air Force ? What is its equivalent in the land army ?
I. (a) Flying officer (b) Pilot officer
(c) Flt. Lieutenant (d) None of these
II. (a) Lieutenant (b) Captain
(c) Major (d) None of these

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65. Central Building Research Institute is located in :
(a) Lucknow (b) Varanasi
(c) Roorkee (d) Chennai
66. What has been the annual exponential growth rate of population in India during 2001–11 ?
(a) 1.11 per cent (b) 2.01 per cent
(c) 1.64 per cent (d) 2.35 per cent
67. What is the total population of India according to 2011 census ?
(a) 121.05 crore (b) 68.00 crore
(c) 64.85 crore (d) 84.39 crore
68. Which religious segment in the population of India enjoys the highest literacy rate ?
(a) Hindus (b) Parsis
(c) Jains (d) Buddhists
69. Where's Central Mining Research Station located ?
(a) Cuttack (b) Jamshedpur
(c) Dhanbad (d) Bhavnagar
(e) Pune
70. Where is Indian Institute of Experimental Medicine located ?
(a) Ahmedabad (b) Kolkata
(c) Lucknow (d) New Delhi
(e) Pune
71. Where is the Headquarters of Election Commission located ?
(a) Kolkata (b) Chennai
(c) New Delhi (d) Mumbai
72. Who was crowned Miss Universe for the year 2013 ?
(a) Miss Tanushri Dutta (India)
(b) Miss Rosanna Davison (Ireland)
(c) Maria Gabriela Islar (Venezuela)
(d) Miss Alba Reyes (Puerto Rico)
73. Where is the 'National Gallery of Modern Art' located ?
(a) Mysore (b) Kanpur
(c) New Delhi (d) Chennai
(e) Lucknow
74. The highest Indian decoration for showing valour and gallantry in the war is :
(a) Param Vishistha Seva Medal
(b) Ashoka Chakra
(c) Param Vir Chakra
(d) Mahavir Chakra
(e) None of these
75. Name the States in which the following are located ?
I. Nagarjun Sagar Dam :
(a) Karnataka (b) Tamil Nadu
(c) Andhra Pradesh (d) Kerala
II. Hirakud :
(a) Odisha (b) Karnataka
(c) U.P. (d) Gujarat
(e) Kerala
76. What is the sex ratio of India according to 2011 census ?
(a) 931 females for 1000 males
(b) 1001 females for 1000 males
(c) 943 females for 1000 males
(d) 989 females for 1000 males
77. 'Sacred Games' is a book written by :
(a) Jagmohan
(b) R. K. Bhargava
(c) Vikaram Chandra
(d) Shah Nawaz Khan
78. Which institution is responsible for the formulation of 5 Year Plans in India ?
(a) National Productivity Council
(b) Planning Commission
(c) National Development Council
(d) None of these
79. Who has written the book 'Blood Brothers' ?
(a) Sidney Sheldon
(b) Lalit Shastri
(c) M. J. Abbar
(d) A. K. Damodaran
80. Which train in India has the longest route length ?
(a) Himgiri Express
(b) Vivek Express
(c) G.T. Express
(d) Guwahati–Trivendrum Express

81. Where is the Railway Staff College located ?
 (a) Pune (b) Delhi
 (c) Vadodara (d) Allahabad
82. Electric Current is measured by :
 (a) Voltmeter (b) Anemometer
 (c) Wattmeter (d) Ammeter
83. Who is the newly appointed Chief Election Commissioner of India ?
 (a) Suresh Modi (b) V. S. Sampath
 (c) Abbas Kazmi (d) Nirupam Sen
84. Where is Satish Dhawan Space Centre located ?
 (a) Trivendrum (b) Bangalore
 (c) Sriharikota (d) Arvi
85. Reshuffling of Cabinet is the prerogative of :
 (a) The Speaker
 (b) The President
 (c) The Prime Minister
 (d) None of these
86. Who has been crowned with Ponds Femina Miss India World 2014 ?
 (a) Sarah Jane Dias
 (b) Koyal Rana
 (c) Aarati Thakur
 (d) Nikkitasha Marwaha
87. The membership of the European Union, with the admission of two members on 1st July, 2013, has been raised to :
 (a) 19 (b) 23
 (c) 28 (d) 25
88. Who was crowned Miss Earth for the year 2013 ?
 (a) Alyz Henrich
 (b) Lavanya Rajesh
 (c) Franie Ahuja
 (d) None of these
89. Who among the following leaders is known for her work in the field of the empowerment of women ?
 (a) Mary Robinson
 (b) Benazir Bhutto
 (c) Sheikh Hasina
 (d) Chandrika Kumaratunge
90. Rajiv Gandhi Khel Ratna Award for 2013 was awarded to :
 (a) Vijendra Kumar
 (b) M. C. Marykom
 (c) Sushil Kumar
 (d) Ronjan Sodhi
91. The largest continent in the world is :
 (a) North America (b) South America
 (c) Asia (d) Europe
 (e) Africa
92. How many countries are the members of ASEAN ?
 (a) 10 (b) 15
 (c) 19 (d) 20
93. Seasons occur because :
 (a) The earth rotates
 (b) The earth is round
 (c) The earth's revolution around the sun
 (d) The earth's axis is inclined by $66\frac{1}{2}^\circ$
 (e) Combined effect of (c) and (b) above
94. Khajuraho is situated in the state of :
 (a) Andhra Pradesh (b) Maharashtra
 (c) Rajasthan (d) Madhya Pradesh
 (e) Odisha
95. Geysers refer to :
 (a) A hot water spring
 (b) A bright star
 (c) An animal which survives in the polar regions
 (d) A warm ocean current
96. What does the Mercator Projection refer to ?
 (a) Lines of longitude and latitude drawn in curved lines
 (b) High altitude contours
 (c) Lines of latitude and longitude drawn in straight lines
 (d) Equatorial belt
97. The largest river in the world is :
 (a) Nile (b) Brahmaputra
 (c) Amazon (d) Missisipi
 (e) Ganga
98. First Planetarium of India is in :
 (a) Jaipur (b) Kanpur
 (c) Cuttack (d) Kolkata

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99. In India diamond is mainly found in :
(a) Arunachal Pradesh
(b) Andhra Pradesh
(c) Madhya Pradesh
(d) Tamil Nadu
100. In which of the following are Indian lions nurtured in their natural habitat ?
(a) Corbett National Park
(b) Bandipur Sanctuary
(c) In Gir Forest
(d) Kaziranga Sanctuary
101. (A) India is the chief exporter of :
(a) Coffee (b) Mica
(c) Silk (d) Jute
(B) The longest dam is :
(a) Aswan (b) Gorky
(c) Hirakud (d) Kiev
(e) Mangla
102. Famous Meenakshi temple is situated at :
(a) Madurai
(b) Bengaluru
(c) Mahabalipuram
(d) Trivendram
103. As per Census-2011 in India female literacy rate in percentage term is :
(a) 65.46% (b) 55%
(c) 70% (d) 68%
104. The oceans cover....of the surface of the earth.
(a) 50% (b) 60%
(c) 71% (d) 80%
(e) 90%
105. The name Typhoon comes from the Chinese word 'Taifu' which means :
(a) Heavy rain
(b) High wind
(c) Clear sky
(d) Chilly weather
(e) Calm sea
106. Who was conferred the Jnanpith Award for the year 2013 ?
(a) Chandra Kanta
(b) Mridula & Garg
(c) Nirmal Verma
(d) Kedarnath Singh
107. Aurora borealis is :
(a) A medical term for boric powder
(b) A phenomenon of coloured lights visible in the northern hemisphere
(c) A cinema theatre
(d) A Russian master craftsman
(e) A Greek goddess
108. The salaries and allowances of the judges of the High Court are charged to the :
(a) Consolidated Fund of the State
(b) Consolidated Fund of India
(c) Contingency Fund of the State
(d) Contingency Fund of India
109. The epithet 'Land of the Rising Sun' is used for :
(a) Cambodia (b) Japan
(c) Thailand (d) Indonesia
110. The 'Hall of Nations' is located in :
(a) Mumbai (b) London
(c) New Delhi (d) Kolkata
111. Which of the following is recipient of Dada Sahib Falke Award for 2013 ?
(a) Lata Mangeshkar
(b) Dr. Raj Kumar
(c) Guljar
(d) Nitin Bose
112. Kiwis are the inhabitants of :
(a) New Zealand (b) Hungary
(c) Indonesia (d) South Africa
113. Eldorado is :
(a) A country in California
(b) A tract of fertile land in Africa
(c) A fictitious country or city abounding in gold and riches
(d) The desert land in China
114. Name of India's indigenously developed Light Combat Aircraft is :
(a) Rudra (b) Tejas
(c) Kranti (d) None of these
115. Which country is the largest producer of copper ?
(a) U.S.A. (b) Russia
(c) South Africa (d) China

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