

087/2017

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

101981

Total No. of Questions: 100

Maximum : 100 Marks

Time : 75 Minutes

INSTRUCTIONS TO CANDIDATES

1. The question paper will be given in the form of a Question Booklet. There will be four versions of question booklets with question booklet alpha code viz. A, B, C & D.
2. The Question Booklet Alpha Code will be printed on the top left margin of the facing sheet of the question booklet.
3. The Question Booklet Alpha Code allotted to you will be noted in your seating position in the Examination Hall.
4. If you get a question booklet where the alpha code does not match to the allotted alpha code in the seating position, please draw the attention of the Invigilator IMMEDIATELY.
5. The Question Booklet Serial Number is printed on the top right margin of the facing sheet. If your question booklet is un-numbered, please get it replaced by new question booklet with same alpha code.
6. The question booklet will be sealed at the middle of the right margin. Candidate should not open the question booklet, until the indication is given to start answering.
7. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him contains all the 100 questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet with same alpha code. This is most important.
8. A blank sheet of paper is attached to the question booklet. This may be used for rough work.
9. **Please read carefully all the instructions on the reverse of the Answer Sheet before marking your answers.**
10. Each question is provided with four choices (A), (B), (C) and (D) having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Blue or Black Ball-Point Pen in the OMR Answer Sheet.
11. **Each correct answer carries 1 mark and for each wrong answer 1/3 mark will be deducted. No negative mark for unattended questions.**
12. No candidate will be allowed to leave the examination hall till the end of the session and without handing over his/her Answer Sheet to the Invigilator. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
13. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the candidate.

087/2017-A



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Maximum : 100 Marks

Time : 1 hour and 15 minutes

1. In which month North East monsoon is active in Kerala ?
(A) March – April (B) October – November
(C) April – May (D) June – July
2. Who established Chola Bazaar at Thiruvananthapuram ?
(A) Col. Monroe (B) Raja Kesavadas
(C) Ummiai Thampi (D) C.D. Ramaswami Iyer
3. Name the first Portuguese Viceroy in Kerala.
(A) Fransisco De-Almeida
(B) Alphonso De-Al-buguergue
(C) Francis Xavier
(D) Alexis De-menesis
4. Name the Head Quarters of Southern Command of Indian Air Force.
(A) Cochin (B) Thiruvananthapuram
(C) Kannur (D) Ezhimala
5. Which is the official bird of Kerala ?
(A) Hornbill (B) Peacock
(C) Parrot (D) Sparrow
6. The largest back water in Kerala.
(A) Ashtamudi (B) Vembanadu
(C) Sasthamkatta (D) Bekal
7. Identify the place where the only volcano is situated in India.
(A) Minicoy (B) Portblair
(C) Narcondum Island (D) Kavaratti
8. Which is the official state fish of Kerala ?
(A) Mackerel (B) Prawn
(C) Karimees (D) Squid

A

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[P.T.O.]

9. The first state formed in India purely on linguistic basis.
(A) Kerala (B) Punjab
(C) Tamil Nadu (D) Andhra Pradesh
10. The first coal mining in India was started at
(A) Raniganj (B) Pune
(C) Kolar (D) Allahabad
11. Name the oldest mountain range in India.
(A) Karakkoram (B) Aravalli
(C) Nanga Parvath (D) Himalaya
12. Name the first president of Indian National Congress.
(A) W.C. Banerjee (B) A.O. Hume
(C) Surendranatha Banerjee (D) Motilal Nehru
13. Who is known as the "Father of Indian Renaissance" ?
(A) Swami Vivekananda
(B) Raja Rammohan Roy
(C) Swami Dayananda Saraswathi
(D) Subramanya Bharathi
14. Identify the exponent of the slogan "Jai Jawan, Jai Kisan".
(A) Indira Gandhi (B) Lal Bahadur Shastri
(C) Morarjee Desai (D) V.P. Singh
15. After Independence India formed its Foreign Policy – 'Non-Align Movement'. Find out the Chief Architect of India's Foreign Policy.
(A) Jawaharlal Nehru (B) Sardar Vallabhbhai Patel
(C) Charan Singh (D) V.V. Giri
16. "Swaraj is my birth right and I shall have it". Who quoted these words ?
(A) Gopal Krishna Gokhale (B) C.R. Das
(C) Bal Gangadhar Tilak (D) Lala Lajpat Rai
17. Name the Bengali Novelist who wrote our National Song Vande Mataram :
(A) Ravindranath Tagore
(B) Bankim Chandra Chatterjee
(C) C. Sivaram Karanth
(D) Phaneeswar Nath Renu

18. The objective of First Five Year Plan was to save the Indian economy from poverty. Identify the famous economist who played an active role in the formulation of the First Five Year Plan.
- (A) Dr. K.N. Raj (B) P.C. Mahalanobis
(C) I.S. Gulathi (D) M.N. Roy
19. The remuneration related to the factors of production are given below. Find out the wrong pair :
- (A) Land - Rent (B) Labour - Wages & Salaries
(C) Capital - Price (D) Organization - Profit
20. Name the renowned economist and member of Planning Commission who wrote the work, "Economy of Permanence".
- (A) Adam Smith (B) J.M. Keynes
(C) Amartya Sen (D) J.C. Kumarappa
21. Identify the person nick named as the "Milk Man of India".
- (A) P.J. Kurian (B) Varghese Kurian
(C) M.S. Swaminathan (D) M. Visvesaraya
22. U.N.O is recognised as the most important International Organisation of the Contemporary World. Its first Secretary General was from Norway. Identify the Secretary General.
- (A) Dag Hammarskjold (B) Kurt Waldheim
(C) Javier Perez de Cueller (D) Trygve Lie
23. Who is the Chief Justice of Kerala High Court ?
- (A) Hottathil Radhakrishnan (B) Navaneethi Prasad Singh
(C) Hemanth Gupta (D) Rajendra Menon
24. Which river is known as the "Sorrow of Orissa" ?
- (A) Tapti (B) Krishna
(C) Mahanadi (D) Sutlej
25. Whose birthday is observed as 'Teacher's Day' ?
- (A) Dr. S. Radhakrishnan
(B) Dr. Zakir Hussain
(C) Dr. Rajendra Prasad
(D) Maulana Abdul Kalam Azad

26. Name the author of the book 'Lajja'.
(A) Khushwanth Singh (B) Salman Rushdi
(C) Tasleema Nasrin (D) Kuldip Nayyar
27. Identify the first Indian President who flew in a fighter plane.
(A) V.V. Giri (B) Giani Zail Singh
(C) K.R. Narayanan (D) Dr. A.P.J. Abdul Kalam
28. The first country which legalised mercy killing
(A) Brazil (B) Netherland
(C) Argentina (D) Denmark
29. Name the Indian who won the first medal in 2016 Rio Olympics.
(A) Sakshi Malik (B) P.V. Sindhu
(C) Cheethurani (D) Deepa Karmakar
30. Name the country which host the under seventeen FIFA world cup is 2017.
(A) Brazil (B) India
(C) Srilanka (D) France
31. Yakshagana is the art form of
(A) Kerala (B) Maharashtra
(C) Karnataka (D) Tamil Nadu
32. In which year Right to Information Act came into force ?
(A) 2005 (B) 2006
(C) 2008 (D) 2010
33. Which of the following basic idea is not included in the preamble of Indian Constitution ?
(A) Demoeracy (B) Secularism
(C) Socialism (D) Federalism
34. Examine certain hints related to the social reformer of Kerala.
• Born at Chempazhanthi
• Worked for the advancement of the down trodden
• Fought against the evils of untouchability and child marriage.
(A) Chattampi Swamikal
(B) Sreenarayana Guru
(C) Ayyankali
(D) Karuppam

35. The Journalist who was exiled from Travancore.
(A) N. Balakrishna Pillai
(B) K.P. Kesavamenon
(C) Kandathil Varghese Mappila
(D) Swadesabhimani Ramakrishna Pillai
36. Name the social reformer who founded "Sadhu Jana Paripalana Sangham".
(A) Ayyamkali
(B) T.K. Madhavan
(C) Sahodaran Ayyappan
(D) T.M. Varghese
37. 'Abhinava Keralan' was the journal edited and published by
(A) V.T. Bhattatharippadu
(B) Porykayil Yohannan
(C) Elias Chavasa
(D) Vaghbhatananda
38. Identify the leader who submitted 'Ezhava Memorial' to Srimoolam Thirunal Maharaja demanding to appoint Ezhavas in the Government service of Travancore
(A) Dr. Palpu
(B) G.P. Pillai
(C) T.K. Nair
(D) Ikkanda Warriar
39. The man who led both Guruvayur Satyagraha and Salt Satyagraha at Payyanloor.
(A) K.P. Kesavamenon
(B) K.M. Panicker
(C) C. Kesavan
(D) A.K. Gopalan
40. 'Chavittu Natakam' is the contribution of
(A) The French
(B) The Dutch
(C) The English
(D) The Portuguese
41. World Water Day is observed on
(A) April-21
(B) March-22
(C) June-5
(D) September-22
42. Today there are many people who indulge in Social Problems like this. One such familiar name is Medha Patkar. Which is the area of her activity?
(A) Activities related to protection of environment.
(B) Wild life Protection and Conservation.
(C) Activities related to the eradication of poverty.
(D) Old age protection and conservation.

43. Kinetic Energy of molecules is highest in
(A) Gases (B) Liquids
(C) Solids (D) Solutions
44. To prevent air pollution in cities like Delhi, vehicles are run on CNG (Comprehensive Natural Gas). What is the main biogas contained in CNG ?
(A) Butane (B) Ethane
(C) Methane (D) Propane
45. The study of cells, especially their formation, structure and functions is called
(A) Cosmology (B) Cytology
(C) Petrology (D) Dermatology
46. What is the reason behind the blackening of Taj Mahal ?
(A) Depletion of Ozone layer (B) Deforestation
(C) Water Pollution (D) Acid rain
47. A cattle disease which is a threat to human race.
(A) Swelling of udder
(B) Foot and mouth disease of cattle
(C) Anthrax
(D) All of these
48. What are the main components contained in chemical fertilisers ?
(A) Carbon, Nitrogen, Potassium
(B) Nitrogen, Hydrogen, Phosphorus
(C) Carbon, Hydrogen, Oxygen
(D) Phosphorus, Potassium, Nitrogen
49. The solar planet having a single satellite.
(A) Mercury (B) Saturn
(C) Jupiter (D) Earth
50. Which is the respiratory organ of spider ?
(A) Lungs (B) Skin
(C) Book lungs (D) None of these

51. _____ you ever seen the Taj Mahal ?
 (A) Has (B) Have
 (C) Did (D) Had
52. What are you thinking _____ ?
 (A) about (B) at
 (C) with (D) of
53. Everybody _____ listening to music.
 (A) loves (B) love
 (C) loving (D) will loving
54. He was on leave when I _____ his office.
 (A) call in (B) call on
 (C) call at (D) call out
55. The house with its contents _____ sold out.
 (A) was (B) are
 (C) were (D) is
56. We can go to a movie, if you _____ interested.
 (A) were (B) will be
 (C) have (D) are
57. I _____ to this library for the last 3 years.
 (A) going (B) had been going
 (C) have been going (D) was going
58. I ran for my life when I saw a _____ of stray dogs on the street.
 (A) group (B) pack
 (C) pride (D) herd
59. The correct spelt word is _____.
 (A) Compitanoy (B) Competancy
 (C) Competensy (D) Competency
60. You had better _____ there.
 (A) gone (B) going
 (C) go (D) to go
61. I seldom get a chance to visit them, _____.
 (A) did I (B) do I
 (C) don't I (D) didn't I

62. I _____ my work yesterday.
 (A) finished (B) will be finished
 (C) finishing (D) have finished
63. Passive form of "Close the window" is
 (A) The window was closed by me
 (B) Let the window closed
 (C) The window is closed by me
 (D) Let the window be closed
64. He is late by _____ hour.
 (A) an (B) a
 (C) the (D) at
65. Teacher asked me _____
 (A) why was I late.
 (B) why I am late.
 (C) why I was late.
 (D) why am I late.
66. The question was too ambiguous _____ answer.
 (A) that I cannot answer (B) to
 (C) and I cannot (D) so that I cannot
67. The synonym of "Chivalry" is _____
 (A) Cheerfulness (B) Cowardness
 (C) Honesty (D) Heroism
68. The Idiom – "Pros and Cons" means
 (A) favourable and unfavourable factors
 (B) on the whole
 (C) the difficult situation
 (D) good condition
69. The programme began _____ than I expected.
 (A) late (B) latest
 (C) later (D) latter
70. One who possesses many talents
 (A) Gifted (B) Versatile
 (C) Talented (D) able

71. Which of the following term is used to denote push button Telephone ?
- (A) EPBT (B) EPBX
(C) PABX (D) DTMF
72. Which of the following is the bandwidth of single voice channel in PSTN ?
- (A) 2 Mbps (B) 8 Mbps
(C) 64 Kbps (D) 128 Kbps
73. In PABX which of the following facility allows automatic connection of incoming callers to the required extensions ?
- (A) DID (B) DOD
(C) CLIP (D) VPN
74. Which type of switching system is used in EPBX ?
- (A) Mechanical Switching Devices
(B) Electro Mechanical Switching Devices
(C) Electronic Switching Devices
(D) Electrical Switches
75. The EPBX equipment using internet protocols to route calls is known as :
- (A) Telex (B) IP Tax
(C) IP pbx (D) Pabx
76. How many channels are there in 2 Mbps PCM signals ?
- (A) 30 (B) 31
(C) 24 (D) 32
77. The facility which allows transmitting a caller's number to the called party's telephone equipment is known as :
- (A) Hot line (B) Clip
(C) Voip (D) Telex

78. Which of the following is the largest state owned Telecom Company providing fixed telephony in India ?
- (A) VSNL (B) MTNL
(C) TATA (D) BSNL
79. In Telephony the process of distributing calls from a single number to a group of several phone lines is known as :
- (A) ISDN (B) FAX
(C) Line hunting (D) Line loop
80. What is the name of Telephone switching systems generally used by organizations to provide internal switching functions and access to the public telephone network ?
- (A) PBX (B) Clip
(C) Modem (D) PCM
81. Which Telecom company owns the biggest Optical Fibre Cable (OFC) Network in India ?
- (A) MTNL (B) BSNL
(C) Reliance Infocomm. (D) Air Tel
82. Which of the following is the STD code (without prefix zero) for calling Delhi ?
- (A) 22 (B) 44
(C) 33 (D) 11
83. According to India's Telephone numbering scheme if the area code is 3 digits (excluding prefix), then the remaining number of digits in the phone number is :
- (A) 7 (B) 8
(C) 10 (D) 6
84. Which of the following number is used in fixed line telephone services to represent state owned telephone companies ?
- (A) 4 (B) 3
(C) 2 (D) 12

85. Which of the following is the STD code prefix required to dial land line number from one STD code area to another STD code area ?
- (A) 0 (B) 00
(C) 91 (D) 18
86. Which of the following is the internationally accepted sampling frequency for voice ?
- (A) 80 kHz (B) 8 kHz
(C) 8 Hz (D) 80 Hz
87. The international call prefix used to make ISD calls from India is :
- (A) 0 (B) 10
(C) 011 (D) 00
88. What is the name of the facility that enables mobile telephone users to retain their telephone number when changing from one network operator to another ?
- (A) Hot line (B) ISP
(C) MNP (D) GPS
89. According to TRAI the minimum download speed for broadband is :
- (A) 256 kbps (B) 512 kbps
(C) 2 Mbps (D) 128 kbps
90. Which of the following term denote the process of making an International call ?
- (A) ISP (B) STD
(C) ISD (D) PCO
91. The feature that allows a person to put a call on hold at one telephone and retrieving it from another telephone is known as :
- (A) Call parking (B) Call hunting
(C) Call making (D) Call barring
92. Which of the following is not a part of national numbering plan for PSTN ?
- (A) Area code (B) Exchange code
(C) Customer's number (D) ISD code

93. Which of the following feature allows answering the call that comes in on a directory number from another phone ?
(A) call holding (B) call pick up
(C) call roaming (D) call routing
94. The unit used for telecommunication traffic measurement is
(A) db (B) watt
(C) erlang (D) volt
95. In PBX the internal phones are generally known as
(A) Hot lines (B) Leased line
(C) VPN (D) Extensions
96. Which of the following cable is used for connecting a PSTN line with PBX ?
(A) Co-axial cable (B) Optical fiber
(C) Twisted pair copper cable (D) Single aluminium wire
97. Which of the following media is used in FTTN to extend connection from telephone exchange equipment to customer's desktop ?
(A) Optical fiber (B) Co-axial cable
(C) Copper wave guide (D) Untwisted copper cable
98. Which Telephone button is generally used for switching from one call to other in three way calling ?
(A) Flash button (B) Star button
(C) Zero button (D) Hash button
99. Which tone is heard by the calling subscriber, if the called subscriber line is busy ?
(A) Dial tone (B) Ring back tone
(C) Busy tone (D) Dual tone
100. Which of the following technology is used for the digitalization of voice ?
(A) PWM (B) PCM
(C) PPM (D) PAM