

110/2017



A

Question Booklet
Alpha Code

A

Question Booklet
Serial Number

472664

Total Number of Questions : 100

Time : 75 Minutes

Maximum Marks : 100

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/her 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.

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1. Author of the book 'Punjabi Century'
 - A) Govind Nihalani
 - B) Narayan Bharathi
 - C) Urvasi Bhatalia
 - D) Prakash Tandon

2. It is a situation in which the rains fall for a period and the little rain is not properly distributed to a particular area
 - A) Meteorological Drought
 - B) Hydrological Drought
 - C) Agricultural Drought
 - D) Ecological Drought

3. Planting of trees for commercial and non-commercial purpose is
 - A) Agro Forestry
 - B) Rural Forestry
 - C) Farm Forestry
 - D) Community Forestry

4. English education started in Travancore at the time of
 - A) Visakhram Tirunal
 - B) Swathi Tirunal
 - C) Uthram Tirunal
 - D) Dharmaraja

5. _____ is not a Martial art in Kerala.
 - A) Velakali
 - B) Kalaripayattu
 - C) Parisakali
 - D) Panchavadyam

6. The railway station, Venkittanarasimharajuvaripetta is in
 - A) Karnataka
 - B) Odisha
 - C) Andhra Pradesh
 - D) Gujarat

7. Krishnadevaraya belongs to _____ dynasty.
 - A) Tuluva
 - B) Saluva
 - C) Sangama
 - D) Aravidu

8. The Ain-i-Akhari is made up of five books. The first book is called
 - A) Qila
 - B) Sipah-Abadi
 - C) Manzil Abadi
 - D) Mulk Abadi



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9. Payaswini puzha is the tributary of
A) Bharathapuzha
B) Chandragiri puzha
C) Chalakudy puzha
D) Pampa
10. The district, Kasargod came into being in
A) 1984
B) 1982
C) 1957
D) 1980
11. The First Five Year Plan in India initially provided for a total outlay of
A) 1600 crores
B) 4800 crores
C) 69303 crores
D) 2069 crores
12. _____ is the pilgrimage to the burial place of Sufi Saints.
A) Pir
B) Khangah
C) Ziyarat
D) Qawwali
13. Khalsa Panth is related to
A) Guru Arjun Singh
B) Guru Gobind Singh
C) Guru Ramdas
D) Guru Thejbahadur
14. The second agitation organized by Gandhi against the British Government in India
A) Non-Co-operation
B) Quit India Movement
C) Cripps Mission
D) Civil Disobedient Movement
15. Leader of Kurichiar Revolt of 1812
A) Sidhu
B) Ramanambi
C) K. C. Narayaniamma
D) Ambu Nair
16. The oldest stock exchange of Asia
A) Cochin stock exchange
B) Tokyo stock exchange
C) The capital stock exchange
D) Bombay stock exchange

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17. _____ is a branch of science that aims to learn about human abilities and limitations and apply this learning to improve people's interaction with products, systems and environment.
- A) Economics
B) Algacology
C) Ergonomics
D) Phycology
18. Who propounded a new theory, the factor Endowment theory in connection with international trade ?
- A) Ricardo
B) Adam Smith
C) J. S. Mill
D) Bertil Ohlin
19. 'Planning is the conscious and deliberate choice of economic priorities by some public authority'. These are the words of
- A) Barbara Wootton
B) Albert Einstein
C) H. G. Wells
D) Robert Goddard
20. The Govt. of India appointed a planning commission in
- A) 1947
B) 1950
C) 1948
D) 1949
21. Indian Constitution guarantees its citizens to assemble peacefully and without arms as per Article
- A) 19 (1) a
B) 19 (1) d
C) 19 (1) g
D) 19 (1) b
22. Micro plastics are pollutants of increasing environmental concern with particle size of less than
- A) 4 mm
B) 5 mm
C) 7 mm
D) 6 mm
23. Annual Financial Statement is mentioned in the Article _____ of Indian Constitution.
- A) 112
B) 114
C) 113
D) 115
24. _____ provides that all minorities whether based on religion or language, shall have the right to establish and administer educational institutions of their choice.
- A) Article 19
B) Article 21
C) Article 30
D) Article 14

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25. Rangaswamy Cup is related to
A) Hockey
B) Football
C) Cricket
D) Volleyball
26. Present Chief Minister of Uttar Pradesh
A) Manohar Parrikar
B) Biren Singh
C) Amarinder Singh
D) Yogi Adityanath
27. World Book Day is
A) 22nd April
B) 23rd April
C) 27th June
D) 10th June
28. _____ is an initiative taken up by the Govt. of Kerala in a mission mode to restructure and revamp the public health system.
A) Jana Swathanam
B) Spandanam
C) Karma Yojana
D) Aardram
29. The real name of film actor Chiranjeevi
A) Vijayadurga
B) Madhava Rao
C) Nagendrababu
D) K. Sivasankara Varaprasad
30. P. K. Mahanta was the Chief Minister of
A) Haryana
B) Karnataka
C) Assam
D) Orissa
31. Vivekodayam (journal) is related to
A) Thycaud Ayya
B) Kumaranasan
C) Velayudha Panicker
D) K. M. Seethi Sahib
32. Venganoor is the birth place of
A) Subhananda Guru
B) Chattampi Swamikal
C) Ayyankali
D) T. Palppu

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33. Thatwaprakashika Ashram was founded by
A) Vagbhatananda
B) Pandit Karuppan
C) Sree Narayana Guru
D) Siva Yogi
34. First President of Travancore Devaswom Board
A) K. Kelappan
B) N. Bhaskaran Nair
C) Anandatheertha
D) Mannath Padmanabhan
35. Founder of Travancore Muslim Maha Sabha
A) Vakkam Abdul Khader Moulavi
B) Ali Musaliar
C) Muhammed Rahiman
D) Thangal
36. First Nuclear Reactor in India
A) Serleena
B) Apsara
C) Poornima
D) Druva
37. Author of the book 'After the First Three Minutes'
A) Govind Khurana
B) A. P. J. Abdul Kalam
C) E. C. G. Sudarsan
D) Thanu Padmanabhan
38. Father of Indian Ecology
A) R. Mishra
B) Jeen Dosth
C) Sundarlal Bahuguna
D) V. N. Bhagavathi
39. The first American Astronaut conducted a 'Space Walk'
A) Edward White
B) Sergei Kirkalev
C) Aleksei Leonov
D) Valentina
40. Amitabh Bachchan elected to Indian Parliament from
A) Patna
B) Alahabad
C) Varanasi
D) Ladak



41. The heart of a healthy man beats normally per minute
A) 60-70 times
B) 70-80 times
C) 80-90 times
D) 85-90 times
42. Mangroves have special type of roots
A) Pneumatophores
B) Stilt and proproots
C) Horizontal and knee roots
D) All the above
43. Wildlife (Protection) Act of India was enacted on
A) 1952
B) 1962
C) 1972
D) 1982
44. A disease spread through contact with soil is
A) Tetanus
B) Rabies
C) Syphilis
D) Gonorrhoea
45. The young chicken raised specifically for meat are called
A) Broilers
B) Cockerels
C) Pullets
D) Hen
46. Vitamin which is most likely to become deficient in alcoholics is
A) Ascorbic acid
B) Thiamine
C) Niacin
D) Riboflavin
47. Organ of Corti occurs in
A) Internal ear
B) Middle ear
C) External ear
D) Ear pinna
48. Xerophthalmia in man is caused by the deficiency of
A) Vitamin A
B) Vitamin B
C) Vitamin C
D) Vitamin K
49. World Biodiversity Day is
A) April 22
B) September 16
C) June 5
D) December 29
50. The first National Park established in India was
A) Kaziranga
B) Bandipur
C) Jin Corbett
D) Gir

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51. Which of the following belongs to antipyretics ?
A) Paracetamol
B) Morphine
C) Ranitidine
D) Amoxylin
52. Bauxite ore is concentrated by which process ?
A) Magnetic separation
B) Leaching
C) Froath floatation
D) Gravity separation
53. Pick out the substance having more specific heat capacity.
A) Water
B) Ice
C) Water vapour
D) Sea water
54. Choose the electromagnetic radiation having maximum frequency.
A) Radiowaves
B) UV rays
C) IR rays
D) Gamma rays
55. The most electronegative element in Periodic table is
A) Oxygen
B) Chlorine
C) Fluorine
D) Nitrogen
56. The scattering of light by colloidal particle is called
A) Tyndall effect
B) Electrophoresis
C) Dialysis
D) Brownian movement
57. Water gas is a mixture of
A) CO_2 and H_2
B) CO_2 and N_2
C) CO and H_2
D) CO and N_2
58. The planetary model of atom was proposed by
A) J. J. Thomson
B) Rutherford
C) Niels Bohr
D) Goldstein
59. Transition elements are elements of
A) s block
B) p block
C) d block
D) f block
60. Which one of the following is an example of renewable source of energy ?
A) Petroleum
B) Coal
C) Nuclear energy
D) Solar energy

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61. The value of $1.8 + 3.4 + 0.2 - 0.6 \times 0.3$
A) 3.50
B) 18.62
C) 3.32
D) -3.32
62. $\frac{2}{5}$ of a rupee = _____ paise.
A) 40
B) 20
C) 10
D) 50
63. If $8^{x-1} = 2^{x+5}$, then x is
A) 2
B) 4
C) 1
D) 3
64. The average of 5 items is x and if each item is increased by 4, which is the new average?
A) 4x
B) 5 + x
C) x + 4
D) 5x
65. The angles in a triangle are in the ratio 1 : 2 : 3. The possible values of angles are
A) 10, 20, 30
B) 30, 45, 90
C) 45, 45, 90
D) 30, 60, 90
66. A person sells 36 oranges per rupee and incurs a loss of 4%. Find how many per rupee to be sold to have a gain of 8%.
A) 30
B) 28
C) 32
D) 34
67. If $a = 1$, $b = 2$ then which is the value of $a^b + b^a$?
A) 3
B) 4
C) 5
D) 6
68. A certain sum of money amounts to $\frac{5}{4}$ of itself in 5 years. Find the rate percent per annum.
A) 9%
B) 7%
C) 12%
D) 5%
69. If x% of 24 is 64, find x.
A) $66\frac{2}{3}$
B) $266\frac{2}{3}$
C) $37\frac{1}{2}$
D) $133\frac{1}{3}$

A



70. A cylinder with base radius of 8 cm and height of 2 cm is melted to form a cone of height 6 cm. Find the radius of the cone.
A) 4 cm
B) 6 cm
C) 8 cm
D) 5 cm
71. Which among the following will continue the pattern in the series 6, 11, 21, 36, 56, ?
A) 76
B) 81
C) 91
D) 86
72. $[(-4) \times (-9) \times (-25)] + [(-2) \times (-3) \times (-5)]$
A) 10
B) 40
C) 20
D) 30
73. River : Dam :: Traffic : ?
A) Signal
B) Vehicle
C) Lane
D) Motion
74. Find the odd one.
A) PRT
B) HJL
C) KMO
D) BDF
75. In a certain language THEN is coded as RLBS. For what word AEPJ is coded ?
A) CAES
B) SACE
C) CASE
D) CSAE
76. What is my relation with the daughter of the son of my father's sister ?
A) Niece
B) Sister
C) Cousin
D) Maternal aunt
77. The number of days from 31 October 2011 to 31 October 2012 including both the days is
A) 365
B) 368
C) 366
D) 367
78. Complete the series A, P, B, Q, C, ?
A) D
B) T
C) O
D) R
79. How many chords can be drawn through 7 points on a circle ?
A) 42
B) 21
C) 30
D) 36
80. The decimal form of $15 + \frac{2}{10} + \frac{3}{100}$
A) 15.23
B) 20
C) 17.3
D) 20.1

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81. Add a suitable question tag.

He came here yesterday,

A) did he ?

C) didn't he ?

B) don't he ?

D) doesn't he ?

82. Change the voice.

A house is built by him.

A) He builds a house

B) He build a house

C) He built a house

D) He has built a house

83. Complete the sentence.

If you study well . . .

A) You would get first rank

B) You get first rank

C) You getting first rank

D) You will get first rank

84. Change into reported speech.

The doctor said to the patient, 'Give up smoking.'

A) The doctor advised the patient to give up smoking

B) The doctor advised the patient to smoke

C) The doctor advised the patient he gave up smoking

D) The doctor advised the patient smoke not good

85. Correct the proverb meaningfully by replacing the verb.

Slow and steady is the race.

A) are

C) wons

B) wins

D) winning

86. Find out the plural of the word 'louse'.

A) louses

C) lices

B) leese

D) lice

A



87. Fill in the blank with right option.

Each student has _____ own problems.

- A) their
- B) his
- C) our
- D) ours

88. Use the right tense form of the verb.

The Chief Minister visits my house last year.

- A) has visited
- B) visited
- C) will visit
- D) had visited

89. Give the opposite of the word 'expand'.

- A) extend
- B) repent
- C) contract
- D) cataract

90. Pick out the word which is not a synonym of the given words.

- A) abandon
- B) foray
- C) forsake
- D) forgo

91. Prima facie means

- A) definitely
- B) in the absence of
- C) at first glance
- D) unfortunately

92. Substitute with one word.

One who treats minor disorders of the feet

- A) egalitarian
- B) dowser
- C) chiropodist
- D) usurer

93. Add suitable preposition.

The teacher was furious _____ me for being careless in the class.

- A) with
- B) at
- C) of
- D) to

94. Identify the correct sentence.

- A) He is adopt in solving problems
- B) He is adapt in solving problems
- C) He is adeppt in solving problems
- D) He is adept in solving problems

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95. Choose the misspelt word.

- A) privilege
- B) antecedent
- C) bouquet
- D) extasy

96. Fill in the blank with suitable article if necessary.

He is _____ best dancer in the world.

- A) a
- B) an
- C) the
- D) none of the above

97. Find out the meaning of the word 'abhorrence'.

- A) hatred and disgust
- B) care and love
- C) sympathy
- D) patience

98. Replace the underlined word using the phrasal verb with similar meaning.

Our States undergo a period of acute financial crisis.

- A) go through
- B) shrink away
- C) go round
- D) look over

99. Choose the option which has the meaning of the expression 'to strike a chord'.

- A) to treat someone with hatred
- B) to ignore relatives and friends
- C) to conduct a strike
- D) to say something that other people sympathize

100. Which is wrongly used ?

- A) a herd of elephants
- B) a herd of ants
- C) a flock of birds
- D) a herd of cattle

FINAL ANSWER KEY

Question Paper Code: 110/2017

**Fireman (Trainee) (Direct/SR) - Fire & Rescue Services/Women Police Constable
(APB) (NCA) - Police**

Medium of Question: English

Date of Test: 23.09.2017

Q No.	QUESTION BOOKLET			
	A	B	C	D
1	D	C	D	D
2	A	A	B	B
3	X	C	D	A
4	B	X	D	C
5	D	A	C	A
6	C	D	B	B
7	A	C	D	C
8	C	D	A	A
9	X	A	A	D
10	A	B	B	A
11	D	D	D	C
12	C	B	A	A
13	B	D	X	C
14	D	D	B	X
15	B	C	D	A
16	D	B	D	D
17	C	D	C	B
18	D	A	B	D
19	A	A	D	D
20	B	B	B	C
21	D	D	B	D
22	B	A	C	C
23	A	X	A	D
24	C	B	D	A
25	A	D	A	B
26	D	D	D	B
27	B	C	B	D
28	D	B	A	A
29	D	D	C	A
30	C	B	A	B
31	B	D	C	D
32	C	B	A	A
33	A	A	C	X
34	D	C	X	B
35	A	A	A	D
36	B	B	D	D
37	D	C	C	C
38	A	A	D	B
39	A	D	A	D
40	B	A	B	B
41	B	C	A	X
42	D	A	B	C
43	C	A	X	B
44	A	A	C	D
45	A	B	C	A
46	B	D	A	A
47	A	X	B	A
48	A	C	D	B
49	X	A	A	C
50	C	B	A	A

Q No.	QUESTION BOOKLET			
	A	B	C	D
51	A	A	C	C
52	B	D	A	D
53	A	C	C	A
54	D	B	D	B
55	C	A	A	C
56	A	B	D	B
57	C	C	A	C
58	B	D	B	A
59	C	C	C	A
60	D	A	B	D
61	B	D	B	D
62	A	C	C	D
63	B	A	B	B
64	C	D	D	A
65	D	A	D	B
66	C	C	D	A
67	A	C	B	B
68	D	A	A	C
69	B	B	D	A
70	C	A	C	C
71	B	B	A	C
72	D	C	D	A
73	A	D	B	B
74	C	D	A	C
75	C	B	B	B
76	A	A	C	D
77	D	B	A	D
78	D	C	C	C
79	B	B	C	A
80	A	D	A	D
81	C	B	C	A
82	A	D	B	A
83	D	B	C	D
84	A	B	C	B
85	B	A	A	C
86	D	D	A	A
87	B	D	D	D
88	B	C	B	A
89	C	C	B	A
90	B	A	D	D
91	C	D	B	D
92	C	A	B	C
93	A	A	C	C
94	D	A	A	B
95	D	D	D	C
96	C	B	A	C
97	A	C	A	B
98	A	B	D	D
99	D	C	D	B
100	B	C	C	B

X' denotes deletion