D

Qn. Booklet No. : 19001 Roll Number :

INSTRUCTIONS TO CANDIDATES

1. Use only black/blue ink ball point pen to fill in the OMR sheet.
2. Write/mark your Roll Number (all eight digits) and Version as **D** on the left hand side of the OMR sheet (basic data part). OMR sheets without correct version mark will not be valued.
3. Fill in the OMR sheet carefully as per the instructions given on the back of the OMR sheet.
4. **The test consists of two Parts, viz. Objective Test and Descriptive Test. In the Objective Test there are 100 Objective Type multiple choice questions which are to be answered in 75 minutes. Descriptive Part is a test on English Language writing skill of 30 minutes duration for 40 marks.**
5. After opening the Question Booklet at 10.00 A.M., ensure that there are 100 Questions and that the printing of all the questions are legible. If there are any missing or illegibly printed questions, the matter may be reported to the Invigilator immediately.
6. There are 4 options (A, B, C & D) for each objective type question. Mark your answer corresponding to each question number by darkening the corresponding bubble on the OMR sheet with a ball point pen (black/blue ink). For every correct answer 1 mark will be awarded and for every incorrect answer 1/3 mark will be deducted from the total marks scored. Marking of more than one bubble against a question number on the OMR sheet shall be considered as incorrect answer. Erasing, overwriting, partial marking, etc. are not permitted.
7. Answers to the questions in the Descriptive Test have to be written on the sheets attached to the question paper itself. The Roll No. of the candidate should be written **only** in the column provided on the bottom of the question booklet and it should be attested by the Invigilator.
8. Candidates will not be allowed to use Calculator, Logarithm table, Mobile phone or any other electronic equipment in the examination hall.
9. The answer sheets should be returned to the Invigilator. The Candidate's Copy of the OMR Answer Sheet shall be obtained from the Invigilator before leaving the examination hall.
10. Answer keys of the Objective Test will be published in the website www.lbscentre.kerala.gov.in after the test. Complaints, if any, from the candidates regarding the answer keys with valid proof may be sent to the Deputy Director (EDP), LBS Centre for Science and Technology, Nandavanam, Palayam, Thiruvananthapuram-33, so that it may reach his office within five calendar days from the date of publication of the answer keys. The envelope containing the complaint should be superscribed with '**HC-Complaints regarding answer keys**'. Complaints not substantiated with supporting documents will not be considered. However, the decision of the experts regarding such complaints on the answer keys shall be final.
11. Candidates will be allowed to leave the hall only after the completion of the time allotted for the test. (i.e. after 11.45 A.M.).
12. The answer sheets of candidates who resort to any kind of malpractice during the test will not be valued.

D01

D

SEAL

1. Pick the word that is spelt incorrectly.

   A) Playwright B) Millennium C) Caribean D) Liaison

2. May I _____ ?

   (Complete the question, choosing from the options given)

   A) entry B) enter C) entree D) entered

3. His family depends entirely _____ him.

   A) with B) in C) on D) at

4. He has a liking for sweet food. That is, he has a sweet _____.

   A) tongue B) mind C) tooth D) appetite

5. There aren't _____ oranges.

   A) any B) little C) some D) few

6. _____ he is wealthy, he does not waste money.

   A) despite B) in spite of C) although D) yet

7. In which of the following sentence the phrase 'at arm's length' correctly used ?

   A) He threw the stone at arm's length

   B) No one knows him at arm's length

   C) He was given an arm's length of advice

   D) He was advised to keep his old friends at arm's length

8. I wish _____ would rain.

   A) it B) they C) the D) today

9. Pick the error in the underlined parts of the following sentence.

   No, there are no sugar in the house.

   a b c d

   A) a B) b C) c D) d

10. We went to visit them last year, _____ ?

    A) had we B) did we C) didn't we D) hadn't we

11. Pick the odd one out of the following.

A) fascinate B) charm C) allure D) magnify

12. "He is so proud that he will not beg." This sentence can be expressed thus

A) He is too proud a beggar

B) He is so proud a beggar

C) He is as proud as a beggar

D) He is too proud to be a beggar

13. "They gave him up for dead." This sentence means

A) They sacrificed him alive

B) They dedicated his life to the memory of dead people

C) They gave up all hope for his life

D) They knew he was dead

14. Identify the error in the underlined parts of the following sentence.

France is an European country, as is the Netherlands.

a b c d

A) a B) b C) c D) d

15. I have been living here _____ 2003.

Fill in the blank, choosing from the options given :

A) for B) till C) since D) in

16. *De facto* means

A) in fact B) in court

C) deceased D) diseased

17. Pick the euphemism from the following.

A) pass B) pass over C) pass up D) pass away

18. "Just as we discipline and test our knowledge, we also _____ to learn to control our passions."

Fill in the blanks, choosing from the options given :

A) have B) had C) has D) will

19. When Mark Antony said, "Lend me your ears", he meant

A) Show your courage by giving up your ears

B) Give me the best years of your life

C) Give me your best crops of corn

D) Listen carefully to me

20. "The two presidents are signing the treaty."

Choose the option which best expresses the meaning of this sentence :

A) The treaty has been signed by the two presidents

B) The treaty is being signed by the two presidents

C) The treaty will be signed by the two presidents

D) The treaty is signed by the two presidents

Read the following passage and answer questions 21 – 29 based on it.

As for us, we're quite fortunate. Luckier than millions of people. It's quiet and safe here, and we're using our money to buy food. We're so selfish that we talk about 'after the war' and look forward to new clothes and shoes, when actually we should be saving every penny to help others when the war is over, to salvage whatever we can.

The children in this neighbourhood run around in their shirts and wooden shoes. They have no coats, no caps, no stockings and no one to help them. Gnawing on a carrot to still their hunger pangs, they walk from their cold houses through cold streets to an even colder classroom. Things have gotten so bad in Holland that hordes of children stop passersby in the streets to beg for a piece of bread. I could spend hours telling you about the suffering the war has brought, but I'd only make myself more miserable. All we can do is wait, as calmly as possible, for it to end. Jews and Christians alike are waiting, the whole world is waiting, and many are waiting for death.

21. "We're *quite* fortunate." Pick another word from the options given to replace *quite*.

A) never

B) neither

C) rather

D) quiet

22. Why does the speaker claim to be selfish ?

A) The speaker has bought new clothes and shoes

B) The speaker has forgotten about the war

C) He/She thinks the war will never end

D) She/he is not saving money to help others

23. The word 'salvage' towards the end of the first paragraph means
A) cover B) recover C) fight D) fear

24. What do the children in the neighbourhood lack most ?
A) food B) shoes C) shirts D) schools

25. The initial letter in the word 'gnaw' is pronounced
A) as in 'great' B) as in 'gentle'
C) as in 'sing' D) as in 'sign'

26. The word 'still' in the expression 'to still their hunger' is
A) a verb B) an adverb
C) a noun D) an adjective

27. The word 'pangs' indicates
A) time B) weather C) feelings D) bread

28. What, according to the speaker, is the only course of action ?
A) to fight B) to wait C) to hate D) to beg

29. Why are 'Jews and Christians' mentioned in the last sentence ?
Choose the most appropriate of the options below :
A) Jews and Christians are on opposite sides in the war.
B) Jews and Christians are fighting each other in the war.
C) Jews and Christians are on the same side in the war.
D) Jews and Christians are hoping for the end of the war.

30. Choose the option which is the antonym of the word "EGOISM".
A) Fabianism B) Familian C) Marxism D) Altruism

31. Which one of the following statement is not correct about the Advocate General of the State ?
A) He/She holds office during the pleasure of the Governor
B) He/She is appointed by the Governor
C) He/She advises the State Government on legal matters
D) He/She cannot take part in the proceedings in the State Legislature

32. Who made the famous 'Deepavali Declaration' of 1929 in British India ?
A) Lord Irwin B) Lord Lytton C) Lord Wavell D) Lord Ripon

33. The term 'Nairobi Package' is related to the affairs of
A) United Nations Environment Programme
B) Food and Agricultural Organisation
C) World Trade Organisation
D) European Union

34. Malayalam language was declared classical language in the year
A) 2011 B) 2012 C) 2013 D) 2014

35. The slogan 'Life line of the Nations' is related to
A) Indian Railways B) AIIMS
C) Indian Airlines D) BSNL

36. Lines joining places of equal cloudiness on a map are called
A) Isonephs B) Isohels C) Isohyets D) Isobaths

37. By the emission of _____ and _____ acid rain is caused.
A) Carbon and Sulphur B) Carbon and Ammonium
C) Nitrogen and Sulphur D) Nitrogen and Carbon

38. Which of the following Union Ministries launched 'Mission Satyanishtha' on ethics in Public Governance ?
A) Ministry of Personnel and Training B) Ministry of Railways
C) Ministry of Parliamentary Affairs D) Ministry of Tourism

39. The concept of 'Provision of Urban Amenities to Rural Area' (PURA) model was given by
A) A. P. J. Abdul Kalam B) Manmohan Singh
C) C. Rangarajan D) Kasturi Rangan

40. Which SAARC nation is considered as 'Carbon Negative Country' of the world ?
A) Bangladesh B) Bhutan C) Afghanistan D) Sri Lanka

41. The Kuka Movement to overthrow British Rule was organised in

A) UP B) Punjab C) Bihar D) Bombay

42. The Pallava Architecture style is found in

A) Konark B) Hampi

C) Mahabalipuram D) Madurai

43. Bhanu Athaiya was the first Indian from the film industry to win an Oscar Award for

A) Choreography B) Sound Mixing

C) Costume Designing D) Makeup and Hairstyling

44. The last member state to join the Common Wealth of Nations is

A) Monte Negro B) Afghanistan

C) East Timor D) Rwanda

45. The salaries and allowances of judges of High Courts are charged to

A) Consolidated Fund of India B) Consolidated Fund of State

C) Contingency Fund of India D) Contingency Fund of State

46. Which of the following countries is regarded as the originator of the concept of 'Micro Finance' ?

A) India B) Pakistan C) Bangladesh D) Brazil

47. Which of the following Constitution Amendment Bills provides for according constitutional status to National Commission for Backward Classes in India ?

A) 120th Amendment Bill B) 121st Amendment Bill

C) 122nd Amendment Bill D) 123rd Amendment Bill

48. 'UDAN' – the new scheme of Government of India is associated with

A) Ministry of Civil Aviation

B) Ministry of HRD

C) Ministry of Social Justice and Empowerment

D) Ministry of Women and Child Development

49. The first formal summit between Donald Trump and Vladimir Putin were held in

A) Singapore B) Berlin C) Helsinki D) Brussels

50. Doldrum is an area of

A) Low temperature B) Low rainfall

C) Low humidity D) Low pressure

51. The President's rule in a state under Article 356 of the Constitution of India can be extended upto a maximum period of

A) 1 year B) 2 years

C) 3 years D) Indefinite period

52. Recently, Ram Nath Kovind, the President of India, inaugurated World Hindi Secretariat building in a foreign country. Name the Country.

A) Malaysia B) Indonesia C) Maldives D) Mauritius

53. Four phases of disaster management planning includes : Mitigation, Preparedness, Responds and

A) Evacuation B) Recovery C) Rebuilding D) Rehabilitation

54. 'Silvi culture' is the management of

A) Rivers B) Mountains C) Forests D) Backwaters

55. Which of the given pairs is/are correctly matched ?

1. Gully – Cricket
2. Caddie – Rugby
3. Jockey – Horse race
4. Bully – Hockey

A) 1 and 2 only B) 2, 3 and 4 only

C) 1, 3 and 4 only D) 1 and 4 only

56. 'No woman can be arrested before 6 a.m. and after 6 p.m. except in exceptional circumstances with the prior permission of the first class Judicial Magistrate' is mentioned in

A) CrPC Section 50(2) B) CrPC Section 46(4)

C) CrPC Section 185 D) CrPC Section 160

57. The RBI issues currency notes under the

A) Federal Reserve System
B) Maximum Fiduciary System
C) Fixed Minimum Reserve System
D) Monetary Benefit System

58. The blood pressure in human is connected with the gland

A) Testis
B) Liver
C) Adrenal
D) Pancreas

59. Match List I with List II.

List – I	List – II
a. Operation Karuna	1. Army
b. Operation Madad	2. Navy
c. Operation Sahyog	3. Air force
d. Operation Sahayata	4. CRPF

A) a – 1, b – 2, c – 3, d – 4
B) a – 2, b – 1, c – 4, d – 3
C) a – 3, b – 2, c – 4, d – 1
D) a – 3, b – 2, c – 1, d – 4

60. Which of the following is used as a moderator in nuclear reactors ?

A) Thorium
B) Graphite
C) Ordinary water
D) Radium

61. Read the following statements and choose the correct answer.

I. Jathinasini Sabha was founded by Anandatheerthan.
II. Yachana Yathra was lead by Pandit Karuppan.

A) Statement I only is correct
B) Statement II only is correct
C) Both statements are correct
D) Both statements are wrong

62. Match List I with List II.

List – I	List – II
a. Bernardo Bertolucci	1. Footballer
b. Luka Modric	2. Novelist
c. Arthur Hailey	3. Scientist
d. Arthur Ashkin	4. Film Director

A) a – 2, b –1, c – 3, d – 4
B) a – 4, b – 1, c – 2, d – 3
C) a – 1, b – 4, c – 3, d – 2
D) a – 1, b – 3, c – 2, d – 4

63. The concept of Concurrent List in Indian Constitution was borrowed from

A) Canada B) Australia C) Japan D) USA

64. Hikat is the folk dance of

A) Assam
B) Jammu and Kashmir
C) West Bengal
D) Manipur

65. Anthropophobia is fear of

A) Fire
B) People
C) Flower
D) Dogs

66. The creator of the painting 'The Potato Eaters'

A) Vincent Van Gogh
B) Leonardo da Vinci
C) Pablo Picasso
D) M. F. Hussain

67. Who said 'Where there is no law there is no freedom' ?

A) John Locke
B) David Hume
C) Karl Marx
D) Bertrand Russell

68. A bill presented in the Parliament becomes an Act only after

A) The President has given assent to it
B) It is passed by the Standing Committee
C) The Supreme Court's declaration
D) It is signed by Speaker of Lok Sabha

69. 'Dudhsagar' waterfalls is situated at

A) Goa B) Gujarat C) Sikkim D) Meghalaya

70. Who among the following acted as returning officer for the election of President of India 2017 ?

A) Chief Election Commissioner
B) Secretary General of Lok Sabha
C) Chief Justice of India
D) Speaker of Lok Sabha

71. In which case the Supreme Court of India observed that 'Parliament has no power to Amend Fundamental Rights' ?

A) A. K. Gopalan Vs State of Madras

B) Maneka Gandhi Vs Union of India

C) Keshavananda Bharati Vs State of Kerala

D) Golaknath Vs State of Punjab

72. A mathematically oriented computer programme for scientific problems

A) FORTRAN B) COBOL

C) PROLOG D) LISP

73. Which country's passport is considered as the most powerful and best in the world, according to the report of Henley Passport Index 2018 ?

A) USA B) Japan C) Saudi Arabia D) Canada

74. Who invented the first computer mouse ?

A) Ted Nelson B) Charles Babbage

C) Douglas Engelbart D) Bill Atkinson

75. Who among the following is not associated with Chipko Movement ?

A) Gaura Devi

B) Medha Patkar

C) Sundarlal Bahuguna

D) Chandi Prasad Bhatt

76. Number of languages included in the 8th Schedule to the Constitution of India

A) 22 B) 21 C) 19 D) 20

77. The author of 'Shyama Madhavam'

A) O. N. V. Kurup

B) Jayadevan V. T.

C) Prabha Varma

D) Sachidanandan

78. The case heard by the largest Constitutional Bench of 13 Supreme Court Judges
A) Minarva Mills Vs Union of India
B) Brahma Samaj Education Society Vs State of West Bengal
C) Kesavananda Bharathi Vs State of Kerala
D) I. C. Golak Nath Vs State of Punjab

79. Name the activist from Kerala who was included in the BBC's '100 (Influential and Inspirational) Women 2018' list ?
A) Viji Penkoottu
B) Daya Bai
C) Sugatha Kumari
D) Sunitha Krishnan

80. NIFTY index is based on _____ shares.
A) 100 B) 25 C) 15 D) 50

81. What is the unit digit in the product $(7^{71} \times 5^{317} \times 3^{70})$?
A) 1 B) 5 C) 7 D) 3

82. The sum of all two digit numbers divisible by 3 is
A) 1665 B) 1723 C) 1785 D) 1632

83. Five bells commence tolling together and toll at intervals of 2, 3, 4, 5 and 8 minutes respectively. In 12 hrs., how many times do they toll together ?
A) 16 B) 30 C) 7 D) 15

84. A printer, numbers the pages of a book starting with 1 and uses 1554 digits in all. How many pages does the book have ?
A) 455 B) 554 C) 612 D) 374

85. Four children W, X, Y and Z divide a bag of sweets. W takes $\frac{1}{3}$ of them, X $\left(\frac{2}{5}\right)^{th}$ of the remainder and the rest is equally shared between Y and Z. If the number of sweets received by Y and Z are 24 each, then what will be the number of sweets obtained by X ?
A) 48 B) 30 C) 24 D) 32

86. Out of 15 persons, 14 persons spent ₹ 75 each for their meals. The 15th person spent ₹ 70 more than the average expenditure of all the fifteen. The total money spent by all of them was
A) ₹ 1,150 B) ₹ 1,055 C) ₹ 1,120 D) ₹ 1,200

87. The average of eleven consecutive even numbers is 24. What is the difference between the highest and the lowest numbers ?

A) 20 B) 18

C) 10 D) can not be determined

88. 15% of salary of X is equal to 40% of salary of Y and 25% of salary of Y is equal to 30% of salary of Z. If X's salary is ₹ 80,000, then the total salary of X, Y and Z is

A) ₹ 1,15,000 B) ₹ 1,35,000

C) ₹ 1,45,000 D) ₹ 1,25,000

89. In a fraction, if numerator is increased by 35% and denominator is decreased by 5%, then what fraction of the original is the new fraction ?

A) $\frac{9}{7}$ B) $\frac{19}{27}$ C) $\frac{27}{19}$ D) $\frac{7}{9}$

90. B.Sc. Seats for Mathematics, Physics and Chemistry in a college are in the ratio 5 : 3 : 2. There is a proposal to increase these seats by 50%, 30% and 20% respectively. What will be the ratio of increased seats ?

A) 13 : 25 : 8 B) 25 : 13 : 8

C) 8 : 25 : 13 D) 25 : 8 : 13

91. A_1, A_2 and A_3 enter into a partnership. They invest ₹ 25,000, ₹ 75,000 and ₹ 1,25,000 respectively. At the end of first year, A_2 withdraws ₹ 25,000 while at the end of second year, A_3 withdraws ₹ 75,000. In which ratio will the profit be shared at the end of 3 years ?

A) 2 : 2 : 5 B) 4 : 5 : 9 C) 3 : 7 : 12 D) 2 : 3 : 5

92. A contractor undertook to do a certain piece of work in 12 days. He employed certain number of workers but 8 of them being absent from the very first day, the rest could finish the work in 20 days. The number of workers originally employed were

A) 30 B) 24 C) 15 D) 20

93. Two taps T_1 and T_2 can fill a tank in 5 hours and 20 hours respectively. If both the taps are open, then due to leakage, it took 30 minutes more to fill the tank. If the tank is full, how long it take for the leakage alone to empty the tank ?

A) 24 hrs. B) 10 hrs. C) 36 hrs. D) 28 hrs.

94. A sum was put at simple interest at a certain rate for 3 years. Had it been put at 3% higher rate, it would have fetched ₹ 1,440 more. What is the sum ?

A) ₹ 1,200 B) ₹ 8,000 C) ₹ 16,000 D) ₹ 9,000

95. 2 metres broad pathway is to be constructed around a rectangular plot on the inside. The perimeter of the plot is 340 metres. The cost of construction at ₹ 50 per square metre is

A) ₹ 68,800 B) ₹ 17,800

C) ₹ 33,200 D) Data inadequate

96. A cone, a hemisphere and a cylinder stand on equal bases and have the same height. Then the ratio of volumes of cone : hemisphere : cylinder be

A) 1 : 2 : 3 B) 2 : 3 : 1 C) 3 : 2 : 1 D) 1 : 3 : 2

97. A man and his wife appear in an interview for two vacancies in the same post. The probability of husband's selection is $\frac{1}{12}$ and the probability of wife's selection is $\frac{1}{7}$. What is the probability that only one of them is selected ?

A) $\frac{17}{84}$ B) $\frac{1}{84}$ C) $\frac{11}{84}$ D) $\frac{11}{14}$

98. In a group of 7 boys and 5 girls, three children are to be selected. In how many different ways can they be selected such that at least one girl should be there ?

A) 105 B) 185 C) 70 D) 175

99. In how many different ways can the letters of the word 'COURT' be arranged in such a way that the vowels always come together ?

A) 48 B) 144 C) 120 D) 60

100. The sum of present ages of a father and his son is 66 years. 5 years ago, father's age was 6 times the age of his son. After 7 years son's age will be

A) 13 years B) 20 years

C) 15 years D) 18 years