

Qn. Booklet No. : **15025**

Roll Number :

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INSTRUCTIONS TO THE 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 **C** on the left hand side of the OMR sheet (basic data part).
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 10.30 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 top 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 websites www.lbskerala.com and www.lbscentre.org 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, 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 12.15 P.M.).
12. The answer sheets of candidates who resort to any kind of malpractice during the test will not be valued.



1. Pick the odd one from the following.

- A) Gainsay B) Deny C) Avow D) Oppose

2. Match List I and List II :

List I

- a. propensity
b. washing
c. harangue
d. ambulation

List II

- i. walking
ii. embodiment
iii. disposition
iv. ablution
v. tirade

- A) a-iv, b-i, c-ii, d-iii
C) a-v, b-iv, c-i, d-ii

- B) a-iii, b-iv, c-v, d-i
D) a-iii, b-i, c-v, d-ii

3. The meaning of the phrase *inter alia*

- A) among other things B) among enemies
C) in addition to D) between enemies

4. Choose the correctly spelt word.

- A) argument B) idiosyncrasy
C) irresistible D) accomodation

5. The present participle of a verb when used as a noun is called

- A) adverb B) modal verb C) gerund D) pronoun

6. After she dropped her mobile phone, she carefully checked it _____ to make sure it wasn't damaged.

- A) over B) in C) through D) for

7. Fill in the gaps in the following sentences using 'a' / 'an' / 'the' / 'x' (if no article is necessary)

How did you travel to _____ Sri Lanka ? By _____ ship or by _____ aeroplane ?

- A) the - a - an B) x - a - an
C) x - a - a D) x - x - x

8. _____ his age he swims everyday.

- A) Despite B) Despite of
C) In spite to D) In spite



- C25**

- [The following text is heavily obscured by heavy black redaction marks.]*



Read the following passage and answer questions 26 to 30 based on it.

If I were given carte blanche to write about any topic I could, it would be about how much our ignorance, in general, shapes our lives in ways we do not know about. Put simply, people tend to do what they know and fail to do that which they have no conception of. In that way, ignorance profoundly channels the course we take in life. And unknown unknowns constitute a grand swath of everybody's field of ignorance.

To me, unknown unknowns enter at two different levels. The first is at the level of risk and problem. Many tasks in life contain uncertainties that are known — so-called "known unknowns." These are potential problems for any venture, but they at least are problems that people can be vigilant about, prepare for, take insurance on, and often head off at the pass. Unknown unknown risks, on the other hand, are problems that people do not know they are vulnerable to.

Unknown unknowns also exist at the level of solutions. People often come up with answers to problems that are o.k., but are not the best solutions. The reason they don't come up with those solutions is that they are simply not aware of them. Stefan Fatsis, in his book "Word Freak," talks about this when comparing everyday Scrabble players to professional ones. As he says: "In a way, the living-room player is lucky . . . He has no idea how miserably he fails with almost every turn, how many possible words or optimal plays slip by unnoticed. The idea of Scrabble greatness doesn't exist for him."

26. What is the meaning of the phrase 'carte blanche' in the first sentence?

- A) Adequate remuneration
- B) Adequate recognition
- C) Complete freedom
- D) Freedom of expression

27. How does ignorance profoundly channel the course we take in life ?

- A) By giving carte blanche to write about any topic and failing to do what we ought to do
- B) By doing what we know and failing to do what we do not know
- C) By saying one thing and doing the opposite in real life
- D) Ignorance makes our life miserable

28. What is the meaning of the phrase 'head off at the pass' in the second paragraph ?

- A) Forestalling the potential problems
- B) Challenging ignorance and taking precautions
- C) Facing the problems as and when we meet them
- D) Succumbing to the unknowns in our life



29. How do unknown unknowns enter at the level of solutions ?
A) They present a lot of problems without solutions
B) People do not come up with the best solutions because they are unaware of them
C) They present unknown risks to unknown problems
D) They compel people to take insurance
30. What is Scrabble play ?
A) It is a word game
B) It is gambling
C) It is a role playing game
D) It is logical problem solving game in which slips go unnoticed
31. The denomination of coins being issued by the Govt. of India to commemorate the International Day of Yoga
A) Rs. 500 and Rs. 100
B) Rs. 100 and Rs. 10
C) Rs. 10 and Rs. 5
D) Rs. 5 and Rs. 2
32. What is the monthly contribution one has to pay under the Atal Pension Yojana to get a monthly pension of Rs. 5,000/- from the age of 60 years if he joins the scheme at the age of 18 years ?
A) Rs. 175
B) Rs. 42
C) Rs. 100
D) Rs. 210
33. Which State in India produces the maximum quantity of electricity from solar energy ?
A) Gujarat
B) Rajasthan
C) Tamil Nadu
D) Telengana
34. The Union Minister of Law and Justice (as on 1st July 2015)
A) M. Venkaiah Naidu
B) Ravi Shankar Prasad
C) D.V. Sadananda Gowda
D) Arun Jaitley
35. The world's biggest employer according to a report published by the World Economic Forum in 2015.
A) U S Department of Defense
B) Indian Railways
C) Indian Army
D) People's Liberation Army, China
36. Which among the following countries was not visited by Narendra Modi as the Prime Minister of India ?
A) USA
B) Australia
C) U.K.
D) S. Korea



37. The author of the book *The Sixth Extinction: An Unnatural History*, which demonstrates that the earth and humans are in the midst of sixth mass extinction, and was awarded the Pulitzer Prize 2015 for General Non-Fiction Category.
- A) Anand Chakrabarthy B) Siddhartha Mukherjee
C) Anthony Doerr D) Elizabeth Kolbert
38. The SMILE initiative launched by the Kerala Police is aimed at
- A) Reducing road accidents
B) Preventing atrocities to women and children
C) Ensuring courteous behavior of police officers
D) Making educational campuses free of narcotics
39. What is the objective of 'Operation Sulaimani' launched by the Kozhikode District Administration ?
- A) To provide free food to the needy
B) To detect adulteration in food items
C) To provide quality tea in public places at affordable prices
D) To encourage new faces in cinema and television entertainments
40. Pakistan Govt. conferred its top civilian award 'Nishan-e-Pakistan' on the Chinese President Xi Jinping in April 2015. Has any Indian been honoured with this award ? If so, name the recipient.
- A) Former Prime Minister Jawaharlal Nehru
B) Former Prime Minister Morarji Desai
C) V.K. Krishna Menon
D) No Indian has been honoured with this award
41. According to a report released by FAO of the UN in May 2015, which country in the world has the highest number of undernourished people ?
- A) S. Sudan B) China C) India D) Somalia
42. The POCSO Act of 2012 is intended for ?
- A) The welfare of children
B) Suppression of antisocial activities
C) The welfare of senior citizens
D) The welfare of the police and civil service officials



43. The U N General Assembly has designated the Year 2015 as
- A) The International Year of the Differently Abled
 - B) The International Year of Yoga
 - C) The International Year of Alternate Medicine
 - D) The International Year of Light and Light-based Technologies and the International Year of Soils
44. On 24th April 2015 the Rajya Sabha unanimously passed the Rights of Transgender Persons Bill 2014. What is unique about this Bill (among the following options) ?
- A) The bill was moved on the direction of the Supreme Court of India
 - B) It is the first legislation in the world to protect the rights of transgender persons
 - C) It reestablishes the right of franchise of the transgender persons
 - D) It was a private member's bill
45. The educational institution in India to issue 'India's first gender neutral certificate' to a student
- A) IIT, Delhi
 - B) NALSAR, Hyderabad
 - C) Nalanda University
 - D) NLSIU, Bangalore
46. The first country in the world to legalise same sex marriage
- A) Sweden
 - B) Ireland
 - C) USA
 - D) Netherlands
47. What kind of crisis exists in Greece at present ?
- A) Illegal immigration
 - B) Terrorism
 - C) Financial crisis
 - D) Natural calamities
48. The recipient of Japan's highest civilian award *Order of the Rising Sun, Gold and Silver Star*
- A) Sachin Tendulkar
 - B) CNR Rao
 - C) Narendra Modi
 - D) Sushma Swaraj
49. According to the Land Boundary Act passed by the Indian Parliament recently how many border enclaves in India will be transferred to Bangladesh in exchange for 51 border enclaves in Bangladesh ?
- A) 111
 - B) 89
 - C) 34
 - D) 98



50. What is the objective of the IAP Health Phone Programme launched by the Government of India in June 2015 ?

- A) To eradicate narcotics from educational campuses
- B) To address malnutrition in women and children
- C) To create awareness about prevention of AIDS
- D) To act as a mobile platform for addressing rural healthcare issues

51. Who is considered as the 'Father of Modern Chemistry' ?

- A) John Dalton
- B) Antoine Lavoisier
- C) Robert Boyle
- D) Linus Pauling

52. If a particle has a constant speed

- A) It must have a constant deceleration
- B) It must have a constant acceleration
- C) It need not have a constant velocity
- D) It must have a constant velocity

53. Find the odd one in the following which does not belong to the group of the other four ?

Helium, Hydrogen, Neon, Argon, Krypton

- A) Helium
- B) Krypton
- C) Hydrogen
- D) Argon

54. Nephrons are seen in which part of the human body ?

- A) Kidney
- B) Liver
- C) Heart
- D) Nervous system

55. Which of the following process(es) is/are part of the carbon cycle in an ecosystem ?

- i. Photosynthesis
- ii. Microbial decomposition
- iii. Formation of fossil fuels
- iv. Combustion in cars

- A) i and ii only
- B) i, ii and iii only
- C) ii and iii only
- D) i, ii, iii and iv

56. The nutrients from the food absorbed by the intestines go directly to the

- A) Heart
- B) Lungs
- C) Liver
- D) Brain

15025



57. What is the percentage of lead in the writing core of a lead pencil ?
A) 3 B) 2 C) 4 D) 0
58. The cross-platform mobile messaging application WhatsApp is owned by
A) Facebook B) Microsoft C) Intel D) Samsung
59. In computer memory 1 TB is equal to
A) 1000 MB B) 1000 GB C) 1024 GB D) 100 GB
60. A programme in a personal computer that manages data flow from the computer's operating system and attached devices such as hard disk, key board, mouse and printer
A) Motherboard B) Cache memory
C) BIOS D) CPU
61. How many Round Table Conferences were held by the British Government to discuss constitutional reforms in India and mention the place(s) where such conference(s) was/were held ?
A) One – London
B) Three – All in London
C) Two – One in London and the other in Delhi
D) One in London, one in Bombay and one in Delhi
62. The nationalization of fourteen major banks in India was in the year
A) 1960 B) 1955 C) 1972 D) 1969
63. *Operation Vijay* by the Indian Army is connected with
A) Liberation of Goa B) Liberation of Kargil
C) Liberation of Kashmir D) Both A) and B)
64. The author of the historical novel *Kerala Simham*
A) K.M. Panikkar B) C.V. Raman Pillai
C) Elamkulam Kunjan Pillai D) K.P.P. Menon
65. The historical Teresappally Copper Plate was issued by
A) Cheraman Perumal B) Marthanda Varma
C) Ayyan Atikal Thiruvatikal D) Nedum Cheralathan

66. The High Court of Travancore was established in the year
A) 1901 A.D. B) 1921 A.D. C) 1897 A.D. D) 1887 A.D.
67. Which of the following word(s) was/were added to the Preamble of the Indian Constitution through the 42nd Amendment to the Constitution ?
A) Socialist, Secular, Integrity B) Socialist, Secular
C) Socialist only D) Secular only
68. The Article in the Indian Constitution which guarantees the Right to Education
A) 38-A B) 21-A C) 147 D) 11-B
69. The 100th Amendment to the Constitution of India was passed in the year
A) 2013 B) 2012 C) 2015 D) 2014
70. Which of the following is not true about greenhouse gases ?
A) O₃ (Ozone) is a greenhouse gas
B) Water vapour is a greenhouse gas
C) Greenhouse gases absorb heat and warm the atmosphere
D) Greenhouse gases are a threat to life on earth
71. The Head Quarters of the United Nations Environment Programme is in
A) Nairobi B) New York C) Zurich D) Paris
72. Which Country has filed a case against India's Nuclear Weapons Programme in the International Court of Justice ?
A) Pakistan B) Maldives
C) Italy D) Marshall Islands
73. Which State in India has started excavation to find the mythical river Saraswathy ?
A) Himachal Pradesh B) Haryana
C) Punjab D) Uttar Pradesh
74. Sariska Wild Life Sanctuary is in which State in India ?
A) Madhya Pradesh B) Rajasthan
C) Gujarat D) Telangana



75. India-born Nikesh Arora was appointed as the President and COO of the Soft Bank Corporation, Japan in June 2015. What is the main area of activity of the Soft Bank ?
- A) Foreign Exchange B) Personal Banking
C) Telecommunication and Internet D) Industrial Credit Service
76. Which country holds the major share in the newly formed Asian Infrastructure Investment Bank (AIIB) ?
- A) China B) USA C) Japan D) India
77. *Dheepan*, the film which won the Palme d'Or at the 2015 Cannes Film Festival is a _____ film.
- A) Indonesian B) Hindi C) Sinhalese D) French
78. The name of the painting by Pablo Picasso which was auctioned for US\$ 179.3 million in May 2015.
- A) *Guernica* B) *L'Homme au doigt*
C) *Les Femmes d'Alger* D) *The Weeping Woman*
79. Who won the Men's Singles Title in the 2015 French Open Tennis Championships ?
- A) Novak Djokovic B) Roger Federer
C) Stan Wawrinka D) Andy Murray
80. How many languages in India have been given 'Classical Language' status by the Union Government and the language that was selected last for the status ?
- A) 6 - Odia B) 5 - Malayalam C) 6 - Tamil D) 5 - Kannada
81. A barrel contains 100 litres of oil. $\frac{1}{3}$ rd of it was sold on the first day and $\frac{3}{4}$ th of the remaining was sold on the next day. What part of the original content remains at the end of the second day ?
- A) 22.84 % B) $\frac{1}{6}$ C) $\frac{1}{2}$ D) $\frac{1}{4}$
82. If 57 is multiplied by a certain number, that number is increased by 2016. Find the number.
- A) 75 B) 36 C) 48 D) 39



83. When the price of rice was reduced by 10% Hema could buy 5 kg more of the rice for Rs. 800. What is the reduced price of the rice ?
A) Rs. 16 B) Rs. 18 C) Rs. 20.50 D) Rs. 21
84. If the salary of a person is increased from Rs. 200 per week to Rs. 234 per week, what is the percent increase in the person's salary ?
A) 16% B) 18%
C) 17% D) None of the above
85. The average of 15 numbers (written serially) is 205. The average of the first 7 numbers is 185 and the average of the last 7 numbers is 248. What is the middle number ?
A) 121 B) 200 C) 136 D) 44
86. A man buys 1 kg of potato and 1 kg. of onion paying Rs. 59 as its price. Another man purchases 1 kg of potato and 2 kg of onion at the same rate and pays Rs. 96 as its price. If you want to buy $\frac{1}{2}$ kg of potato and 1 kg of onion, how much would you have to pay ?
A) Rs. 44 B) Rs. 48 C) Rs. 46 D) Rs. 39
87. The area of a square plot is 1 hectare. Find the cost for wire-fencing around the plot at the rate of Rs. 350 per metre.
A) Rs. 35,000 B) Rs. 83,500 C) Rs. 1,40,000 D) Rs. 1,35,000
88. The prime numbers from amongst the integers 2, 9, 19, 29, 30, 37, 45, 49, 51, 83, 90 and 91 are
A) 2, 19, 29, 37 and 83 B) 19, 29, 37, 49 and 91
C) 19, 37, 49, 51 and 83 D) None of the above
89. The ratio of men to women in a committee of 20 members is 3:2. How many members of the committee are women ?
A) 12 B) 10 C) 7 D) 8
90. 'A' walks 8 km South then 6 km West and 2 km South again. He then walks 3 km east and then walks 6 km north. How many kilometres away is he from his starting point ?
A) 2 km B) 5 km C) 7 km D) 4 km

15025

91. A certain amount deposited at compound interest (compounded annually) amounts to Rs. 5,292 in two years and Rs. 5,556.60 in three years. Find the rate of interest.
A) 4 % B) 6 % C) 5 % D) 7.5 %
92. The distance between A and B is 540 km. A car travels from A to B at a speed of 90 kmph. On the return journey it travels at the speed of 60 kmph. Find the average speed of the whole journey.
A) 75 kmph B) 72 kmph C) 80 kmph D) None of these
93. If the average of 5, 6, 7 and x is 8, what is the value of x ?
A) 8 B) 12 C) 16 D) 14
94. An amount of Rs. 1,330 has been divided in the ratio $\frac{2}{3} : \frac{3}{5}$. Find the smaller part of this.
A) Rs. 900 B) Rs. 930 C) Rs. 630 D) Rs. 840
95. Which is the largest fraction ? $\frac{3}{4}, \frac{7}{8}, \frac{8}{9}, \frac{7}{10}$
A) $\frac{8}{9}$ B) $\frac{7}{8}$ C) $\frac{3}{4}$ D) $\frac{7}{10}$
96. $\frac{2.5 \times 0.085}{0.0017 \times 0.05} =$ _____
A) 25 B) 12.75 C) 250 D) 2500
97. Find the sum of all numbers from 45 to 100 ($45 + 46 + 47 + \dots + 100$)
A) 4060 B) 3895 C) 2065 D) 3540
98. One-fifth of a number is twelve times thirteen. What is one-sixth of that number ?
A) 96 B) 130 C) 148 D) 210
99. Ram is now twice as old as Sita, but 6 years ago he was 5 times as old as Sita. How old is Ram now ?
A) 12 B) 8 C) 16 D) 18
100. If a triangle has sides in the ratio 3 : 4 : 5, one of its angles will always be
A) 60° B) 30° C) 45° D) 90°



849

15025

Space for rough work