

Qn. Booklet No :

12307

Roll Number :

3 0 7 0 6 0 7 3

INSTRUCTIONS TO CANDIDATES

1. Use only ball point pen (black ink) to fill in the OMR sheet.
2. Write your Roll Number (all eight digits) on the Question Booklet and 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 Examination has two Parts. In Part A there are 100 Objective type multiple choice questions, which are to be answered in 90 Minutes. Part B is English Language writing skill of 30 Minutes duration for 20 Marks.
5. There are 4 options (A, B, C & D) for each objective type question. Mark your answer corresponding to each question by blackening the corresponding bubble in the OMR sheet with a black ink ball point pen. For every correct answer 1 mark will be awarded. No deduction of mark will be made for unanswered questions and incorrect answers. Marking of more than one bubble against a question number in the OMR sheet will result in the exclusion of that answer from valuation.
6. Answer to the Question in Part B has to be written in the attached sheets of Part B of the Question Paper itself. The Roll No. of the candidate should be written in the column provided on top of the question booklet and it should be attested by the Invigilator.
7. Calculator, Logarithm table, Mobile phone, Electronics instruments, etc. will not be allowed in the Examination Hall.
8. The answer sheets and the admit card should be returned to the Invigilator. The counterfoil of the admit card and the question booklet of Part A can be retained by the candidate after the examination. Answer keys will be published in the websites www.lbskerala.com and www.lbscentre.org after the examination. Complaints, if any, from the candidates regarding the answer keys may be sent to the Director, LBS Centre for Science and Technology, so that it may reach his office within five calendar days from the date of publication of answer keys. However the decision of the experts on the answer key shall be final.
9. The candidates will be allowed to leave the hall only after the completion of the examination time (ie. after 1 PM).

Interest is the sum charged for borrowing money for a fixed period of time. Principal is the term used for the money that is borrowed, and the rate of interest is the percent per year of the principal charged for its use. Most of the profits for a bank are derived from the interest that they charge for the use of their own or their depositors' money.

All problems in interest may be solved by using one general equation that may be stated as follows:

$$\text{Interest} = \text{Principal} \times \text{Rate} \times \text{Time}$$

Any one of the four quantities – that is, interest, principal, rate, or time – may be found when the other three are known. The time is expressed in years. The rate is expressed as a decimal fraction. Thus, 6 percent interest means six rupees charged for the use of Rs.100 of principal borrowed for one year. Although the time may be less than, equal to, or greater than one year, most applications for loans are for periods of less than one year.

1. With what topic is this passage primarily concerned?
A) Profits B) Rate C) Interest D) Principal
2. At 4 percent interest for the use of Rs.100 principal, how much would one pay?
A) Six rupees per year B) Twenty five rupees per year
C) Four rupees per year D) One rupee per year
3. Most applications for loans are for
A) One year B) Less than one year
C) More than one year D) 360 days
4. Which of the following is the best definition of interest?
A) Money borrowed
B) Rate x Time
C) A fee paid for the use of money
D) The number of years a bank allows a borrower in order to repay a loan

Choose the correct answer from the options given:

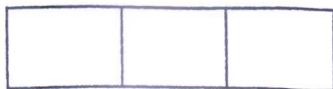
5. ----- is an ancient source of energy
A) The wind B) Winds C) Wind D) A wind
6. It is generally true that the lower the stock market falls, -----
A) higher the price of gold rise
B) the price of gold rises high
C) the higher the price of gold rises
D) rises high the price of gold

7. The word philanthropy relates to
A) Science of dealing with insects
B) Charitable works
C) Linguistics
D) Science of the meanings and effects of words
8. 'I did not look' - is an example of
A) The past perfect tense
B) The present perfect tense
C) The simple past tense
D) The past perfect continuous tense
9. Gastronomy means
A) Art of good eating
B) Stomach distress
C) Study of gases
D) Study of minerals
10. Choose the correctly spelt word
A) Vacum
B) Vacuum
C) Vacqam
D) Vaccum
11. 'There are no pictures in this book'. In this sentence the word 'no' is
A) An adverb
B) An adjective
C) A pronoun
D) A conjunction
12. Choose the correct passive voice of 'The Mason is building the wall'
A) The wall is building by the Mason
B) The wall is built by the Mason
C) The wall was built by the Mason
D) The wall is being built by the Mason
13. Pick out the wrong pair of words from the following
A) Behold - beheld
B) Arise - arouse
C) Bear - bore
D) Cling - clung
14. Choose the wrong sentence from the following
A) Neither of the two men was very strong
B) Each of these substances is found in India
C) Every one of the boys love to ride
D) Many a man has succumbed to this temptation
15. The correct question tag of 'She can swim well'
A) did she?
B) can't she?
C) isn't she?
D) couldn't she?
16. Choose the word that is most nearly the opposite of the word PROFUSE
A) recurrent
B) rare
C) comprehensible
D) scanty
17. Select the pair of words which expresses the same relationship similar to that expressed in the pair PITCH : SOUND
A) energy : heat
B) velocity : time
C) colour : light
D) mass : weight

18. The word which means nearly the opposite of CARDINAL
 A) abstract B) minor C) subtle D) elusive
19. 'Procrastination' means
 A) Blaming others B) Immorality
 C) Natural tendency D) Delaying doing something
20. What he said is contrary ----- common sense
 A) with B) of C) to D) against
21. Choose the correct sentence
 A) No sooner did I enter into the house, it started raining
 B) No sooner did I enter the house than it started raining
 C) No sooner did I enter the house then the rain started
 D) No sooner had I entered the house when it did start raining
22. 'Codicil' means
 A) Code of ethics B) Records in a court of law
 C) Addition to a will D) Unwritten law
23. Choose the correct pair of words
 A) furniture – furnitures B) New – news
 C) Data – datas D) Medium – media
24. 'exoneration' means
 A) the act of freeing from blame
 B) the act of charging with blame
 C) the act of honouring the innocent
 D) the act of punishing the guilty
25. Choose the correctly spelt word
 A) Accommodate B) Acomodate
 C) Accomodate D) Acommodate
26. Which among the following diagrams best represents the relationship between cats, dogs and mammals?



27. How many rectangles are there in the figure given below?



- A) 3 B) 4 C) 5 D) 6

28. JAPAN is coded as KCSES then CHINA would be
 A) DIJOB B) DJKRD C) DJLRF D) DKMSG
29. How many 6s are there in the following number sequence each of which is immediately followed by an even number and immediately preceded by an odd number?
 3 6 2 5 6 3 2 6 3 2 6 2 7 6 4 6 5 8 6 7 6 4 2 6 8
 A) Two B) Three
 C) Four D) More than four
30. If Kiran ranks 30th in a class of 69 students, What would be his rank from the last?
 A) 40 B) 41 C) 39 D) 42
31. If '-' means multiplication, 'x' means addition, '+' means division and '÷' means subtraction, then
 $6 - 4 + 8 \times 4 \div 3$ is equal to
 A) 0 B) 4 C) 9 D) 10
32. If the English alphabet ABC ----- Z is written in a reverse order, then what is the 4th letter to the right of the 12th letter from the left?
 A) J B) L C) K D) M
33. Thomas is taller than Gopal, but shorter than Paul. Suresh is taller than Sunny, but shorter than Thomas. Who among them is the tallest?
 A) Thomas B) Paul C) Suresh D) Sunny
34. 3.5% of 2.8 is
 A) 0.48 B) 0.98 C) 9.8 D) 0.098
35. By how much percent must 40 be increased to change it to 56
 A) 25% B) 40% C) 20% D) 16%
36. If the selling price of a radio is Rs.800/-, the loss is 20%. What should be the selling price to get a profit of 12%
 A) 1200 B) 920 C) 1120 D) 1000
37. The average age of seven members of a family is 40 and the average age of three of them is 28. Find the average age of the other four
 A) 49 B) 47 C) 48 D) 50
38. Which one of the numbers does not belong in the following series?
 9 7 8. 6 7 5 6 3
 A) 7 B) 6 C) 5 D) 3
39. If 20% of 680 students in a school are girls what is the number of boys
 A) 136 B) 79 C) 544 D) 580

40. If a car travels from A to B at 90 km per hour, and another car starts from B to A at the same time at 25m/sec the point at which they met would be
 A) Closer to A B) Closer to B
 C) Midway between A&B D) None of these
41. If $(x-2/x-1) = (x+1/x+5)$, then $x =$ -----
 A) 5 B) 3 C) 7 D) 9
42. When the radius of a circle is doubled, the area increases by -----
 A) 2 times B) 2π times
 C) $2\pi R$ times D) 4 times
43. Which of the following numbers is the largest
 A) $(2+2+2)^2$ B) $[(2+2)^2]^2$
 C) $(2 \times 2 \times 2)^2$ D) $2+2^2+(2^2)^2$
44. If n and p are both odd numbers, which of the following numbers must be an even number
 A) np B) n+p C) np+2 D) 2n+p
45. If $2x+y=5$, then $4x+2y$ is equal to
 A) 5 B) 8 C) 9 D) 10
46. How many days are there in X weeks and X days
 A) $7X^2$ B) 7 C) 8X D) 14X
47. 15% of 60 is the same as x% of 360. Find x
 A) 2.5 B) 1 C) 5 D) 3
48. 3 solid metal balls of radii 6 cms, 8 cms and 1cm are melted into a solid sphere find the radius of the new sphere
 A) 21 cm B) 9 cm C) 15 cm D) 48 cm
49. In a class of 50 students, 64% of students have taken biology as their subsidiary and 56% have taken mathematics. How many have taken both?
 A) 12 B) 20 C) 16 D) 10
50. If $6x - 4y = 2$ and $x = 3$, then $x + y$ is equal to
 A) 12 B) 16 C) 7 D) 5
51. A citizen enjoys
 A) Full civil and political rights
 B) Full fundamental rights
 C) Full legal and religious rights
 D) Full civil and legal rights
52. Right to Equality is a -----
 A) Legal right B) Civil right
 C) Political right D) Fundamental right

53. The term of office of the President of India is
A) Five years B) Four years C) Six years D) Three years
54. The Prime Minister of India is appointed by
A) The Parliament B) The Lok Sabha
C) The Rajya Sabha D) The President
55. The Parliament of India consists of
A) The Lok Sabha and the Rajya Sabha
B) The Cabinet and the Lok Sabha
C) The President, the Cabinet and the Lok Sabha
D) The President, the Lok Sabha and the Rajya Sabha
56. A Bill becomes law with the assent of
A) Prime Minister B) Cabinet
C) Parliament D) President
57. The Chief Justice of the Supreme Court is appointed by
A) The Prime Minister B) The President
C) The Parliament D) The Cabinet
58. A judge of the Supreme Court shall hold office until he attains the age of -----years
A) 60 B) 62 C) 65 D) 70
59. The Governor of a State is appointed by -----
A) The Cabinet B) The Prime Minister
C) The President D) The Parliament
60. The Chief Minister of a State is appointed by-----
A) The Parliament B) The State Legislature
C) The Cabinet D) The Governor
61. A writ petition filed before a High Court to produce a person who is illegally detained is called
A) Habeas Corpus B) Mandamus
C) Prohibition D) Certiorari
62. The first amendment to the Constitution of India was made in
A) 1951 B) 1952 C) 1956 D) 1957
63. The Constitution of India provides for ----- form of Government
A) Parliamentary B) Presidential
C) Dynastic D) Hereditary
64. Name the Act which virtually ended the British rule in India
A) Government of India Act 1935
B) Government of India Act 1919
C) Indian Independence Act 1947
D) Indian Council Act 1861

65. Criminal law relating to defamation is contained in
A) Indian Penal Code B) Criminal Procedure Code
C) Civil Procedure Code D) None of these
66. Name the case popularly known as the Fundamental Rights case
A) A.K.Gopalan Vs State of Madras
B) Deep Chand Vs State of U.P
C) Kesavanand Vs State of Kerala
D) State of Bombay Vs Balsara
67. The provision under Cr.P.C. which entitles a private person to conduct arrest is
A) Section 40 of Cr.P.C B) Section 151 of the Cr.P.C
C) Section 43(1) of Cr.P.C D) Section 109 of Cr.P.C
68. The magistrate who is empowered to issue an order for keeping peace and good behaviour is
A) Chief Judicial Magistrate
B) Magistrate of the first class
C) Additional Chief Judicial Magistrate
D) Executive Magistrate
69. Who is competent to record a confession?
A) Judicial Magistrate B) Sub divisional Magistrate
C) District Magistrate D) Superintendent of Police
70. The provision of the Criminal Procedure Code which empowers a court to summon a person as additional accused
A) Section 209, Cr.P.C B) Section 208, Cr.P.C
C) Section 319, Cr.P.C D) Section 320, Cr.P.C
71. Caveat is
A) An order of the court directing to stop payment
B) An application filed in the civil court by a person praying that no order be passed without notice to him
C) A Certificate issued by an authority that vehicle is fit for carrying passengers
D) A decree issued by a civil court in money suit
72. Alibi is
A) The plea of the accused that he was not present at the scene of the crime of he was else where
B) Claim that the accused is foreigner
C) A dump witness
D) None of the above
73. Approver is
A) A person who is authorized to approve plans
B) A person who makes estimates of construction
C) A person who approves certain conduct of others
D) None of the above

74. Libel
 A) A defamatory statement made by words without lawful justification
 B) A defamatory statement made by written words without lawful justification
 C) A statement made ironically
 D) A false statement made without any justification
75. Perjury means
 A) Decision of a judge without considering the legal principals
 B) An untrue statement under lawful oath to tell the truth
 C) A decision which affects the jury
 D) An untrue statement which is made against an advocate
76. Mahatma Gandhi was born in -----
 A) 1869 B) 1879 C) 1870 D) 1901
77. Why is the @ (at) symbol used in an e-mail address?
 A) To identify the user
 B) Represents the service provider
 C) To identify the domain address
 D) To separate the user ID from the domain name
78. Who was the last Chief Minister of Tiru-Cochi?
 A) E.Ekkanda Warriar B) Panampalli Govinda Menon
 C) V.R.Krishnan Ezhuthachan D) C.Kesavan
79. In Indian economy the contribution of agricultural sector to national income in 2006-07
 A) 14.5% B) 18.5% C) 24.5% D) 28.5%
80. Which of the following statements is incorrect?
 A) 'Hertz' is used to measure frequency
 B) 'Kelvin' is used to measure temperature
 C) 'Decibel' is used to measure atmospheric pressure
 D) 'Ohm' is used to measure electrical resistance
81. M.F.Hussain is a well-known
 A) Film maker B) Dancer
 C) Painter D) Musician
82. U.N. Secretary General
 A) Robert Mugabe B) Sasi Tharoor
 C) Colin Powell D) Moon ki Ban
83. The computer operating system Windows was developed by
 A) Intel B) Microsoft C) IBM D) LINUX
84. World Environment Day is celebrated on
 A) June 5 B) June 30 C) May 17 D) April 2

85. What is the age limit for assessing a person as a senior citizen under the Income Tax Act for the assessment year 2007-08?
A) 60 years B) 65 years C) 55 years D) 58 years
86. The cricket coach Bob Woome who was suspected to have been murdered was the coach of the team of which of the following countries?
A) England B) South Africa
C) Pakistan D) Australia
87. Actress Sobhana was awarded the Urvashi title for the second time for her performance in the film
A) *Manichitrathazhu* B) *Mitr*
C) *Makalkku* D) *Agnisakshi*
88. The disease Chikun-gunya was first reported from which country?
A) Africa B) India C) Thailand D) Indonesia
89. Gordon Brown is
A) Commander of the Apollo Mission of NASA
B) Australian Prime Minister
C) British Prime Minister
D) US Ambassador in China
90. Lal Bahadur Sastri Award 2006 was awarded to
A) Dr. Manmohan Singh B) Dr. M.S. Swaminathan
C) P. Chidambaram D) Anju Bobby George
91. Sunitha Williams created a new space record by spending more than ----- month abroad the International Space Station
A) 3 B) 4 C) 5 D) 6
92. The Dortmund Super Grandmaster Chess Tournament is held in
A) Spain B) England
C) Germany D) Switzerland
93. The colour of the human skin is due to
A) Keratin B) Melanin
C) Myelin D) Myoglobin
94. A forensic expert is always a
A) Surgeon B) General medical practitioner
C) Doctor with a degree in law' D) None of these
95. Nicolas Sarkozy is
A) President of Venezuela B) Chairman of OPEC
C) President of France D) Nobel Prize Laureate in Literature

96. CDMA technology is used by which of the following mobile phone service providers?
A) Hutch & Airtel B) Hutch & BSNL
C) Reliance & Tata Indicom D) Airtel & BSNL
97. India is not a member of
A) G-20 B) G-15
C) G-8 D) Common Wealth Nations
98. How many members can be nominated to the Lok Sabha by the President of India?
A) 2 B) 4 C) 8 D) 12
99. Name the work not authored by Shakespeare
A) Macbeth B) Romeo and Juliet
C) Cesar and Cleopatra D) King Lear
100. Which of the following phenomena cannot be observed on the surface of the Moon?
A) Rising and setting of the Sun B) Solar eclipse
C) Motion of comets D) Twinkling of stars
