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LAHDC-KSSRB

QUESTION BOOKLET FOR GRADUATE LEVEL EXAM

Time Allowed: Two Hours (120 Minutes)  
Total Marks: 100

104126

TEST BOOKLET  
SERIES

B

### INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOK.
2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.
3. You have to enter your Name, Email Id and Mobile No. on the test booklet in the Box provided alongside. DO NOT write anything else on the Test Booklet.
4. This Test Booklet contains 100 items (questions). Each item is printed in **English**. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In any case, **choose ONLY ONE response for each item**.
5. You have to mark all your responses **ONLY on the separate Answer Sheet (OMR Sheet) provided**. See directions in the Answer Sheet.
6. **All** items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator **only the Answer Sheet**. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. **Penalty for wrong answers:**

THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE:

- (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-fourth (0.25)** of the marks assigned to that question will be deducted as penalty.
- (ii) If a candidate gives more than one answer, it will be treated as **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
- (iii) If a question is left blank i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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Each of these questions is based on the following information:

A + B means A is the mother of B.

A - B means A is the sister of B.

A \* B means A is the father of B.

A  $\beta$  B means A is the brother of B.

9. Which of the following means Q is the grandfather of P?

- a)  $P + N * M * Q$   
b)  $Q * N * M + P$   
c)  $Q \beta M \beta N * P$   
d) None of these

10. Which of the following means that N is the maternal uncle of M?

- a)  $N \beta P - L + E - M$   
b)  $N - Y + A \beta M$   
c)  $M - Y * P - N$   
d)  $N \beta C + F * M$

11. Pointing to a photograph of a boy Suresh said, "He is the son of the only son of my mother." How is Suresh related to that boy?

- a) Brother  
b) Uncle  
c) Cousin  
d) Father

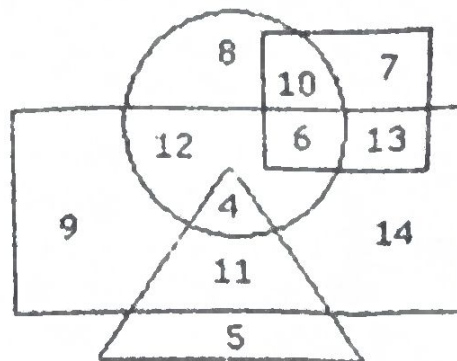
12. 120, 99, 80, 63, 48, ?

- a) 35  
b) 38  
c) 39  
d) 40

13. 125, 80, 45, 20, ?

- a) 5  
b) 8  
c) 10  
d) 12

In the following diagram rectangle represents men, Triangle represents educated, Circle represents urban and square represents government employees.



14. Which one of the following represents the educated men but not urban?

- a) 9  
b) 5  
c) 4  
d) 11

15. Which one of the following represents a woman who is urban as well as government employee?

- a) 7  
b) 13  
c) 10  
d) 6

Directions for the following three items ( Q.16 to Q.17):

Read the given information and answer the questions that follow.

Seema, Cheenu, Lalita, Teena, and Somi help themselves to take some sweets. Four of them take a rasgulla. Cheenu and Teena do not take a burfy but all the others do take the burfy. Cheenu takes only one sweet, which is a kalakand. Kalakand is not taken by others apart from Cheenu. Everyone takes peda except Cheenu, Somi, and Seema.



16. Who only had a peda and a rasgulla?

- a) Cheenu
- b) Somi
- c) Seema
- d) Teena

17. How many sweets were taken by all?

- a) 12
- b) 11
- c) 9
- d) 10

In each of the following questions find out the alternative which will replace the question mark.

18. Safe : Secure :: Protect : ?

- a) Lock
- b) Sure
- c) Guard
- d) Conserve
- d) Force

19. In a certain code language, if "ELEPHANT" is written as "GJGNJYPR", "COMPUTER" is written as "EMONWRGP", then in the same code language, "KNOWLEDGE" will be written as:

- a) MLQUNCFEG
- b) MJUQNGBIL
- c) NKUONGAIL
- d) MJUQNGAIL

20. Priya is Arjun's cousin. Shweta is sister-in-law of Akash who is not married. Anjali is the mother of Veer. Rohit is the brother of Akash. Rohit is Priya's uncle. Anjali is the grandmother of Arjun who is the son of Rohit. Shweta is the wife of Veer. How is Anjali related to Shweta?

- a) Aunt
- b) Sister
- c) Mother-in-law
- d) Mother

21. Shakuntala says, "If you reverse my age, then the reversed number represents my husband's age. He is senior to me and the difference between our ages is one-eleventh of the sum of our ages". What is the age of Shakuntala?

- a) 23
- b) 24
- c) 45
- d) 54

22. If the seventh day of a month is three days earlier than Monday, what day will it be on the 20th day of the month?

- a) Thursday
- b) Wednesday
- c) Tuesday
- d) Saturday

23. Vijay is facing west. He turns  $45^\circ$  in the anti-clockwise direction and then another  $180^\circ$  in the same direction and then  $270^\circ$  in the clockwise direction. Which direction is he facing now?

- a) North East
- b) North West
- c) South East
- d) South West

24. The number of times the digit 5 will appear while writing the integers from 1 to 1000 is:

- a) 269
- b) 271
- c) 300
- d) 302

25. Choose the word which is different from the rest.

- a) Lion
- b) Tiger
- c) cat
- d) Deer

3.



26. A man sells an article for \$540 and makes a profit of 20%. What would be the selling price if he wants to make a profit of 25%?

- a) \$550
- b) \$600
- c) \$562
- d) \$675

27. A and B start a business together. A invests \$8000 and B invests \$12000. If they make a profit of \$10000 at the end of the year, how much of the profit will B receive?

- a) \$4000
- b) \$5000
- c) \$6000
- d) \$7000

28. The least common multiple of 135 and 24 is \_\_\_\_\_

- a) 90
- b) 360
- c) 240
- d) 1080

29. The simplest form of the rational number 0.196 is \_\_\_\_\_

- a)  $1/6$
- b)  $3/6$
- c)  $13/66$
- d)  $2/5$

30. A solid is in the form of a cone mounted on a hemisphere. The radius and height of the cone are 3 m and 4 m. Find the surface area of the given solid.

- a)  $114.4 \text{ m}^2$
- b)  $103.62 \text{ m}^2$
- c)  $70 \text{ m}^2$
- d)  $72.5 \text{ m}^2$

31. The cost price of 20 articles is the same as the selling price of  $x$  articles. If the profit is 25%, then the value of  $x$  is:

- a) 15
- b) 16
- c) 18
- d) 25

32. In a certain store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?

- a) 30%
- b) 70%
- c) 100%
- d) 250%

33. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:

- a) 588 apples
- b) 600 apples
- c) 672 apples
- d) 700 apples

34. What percentage of numbers from 1 to 70 have 1 or 9 in the unit's digit?

- a) 1
- b) 14
- c) 20
- d) 21

35. Seats for Mathematics, Physics and Biology in a school are in the ratio 5 : 7 : 8. There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats?

- a) 2 : 3 : 4
- b) 6 : 7 : 8
- c) 6 : 8 : 9
- d) None of these

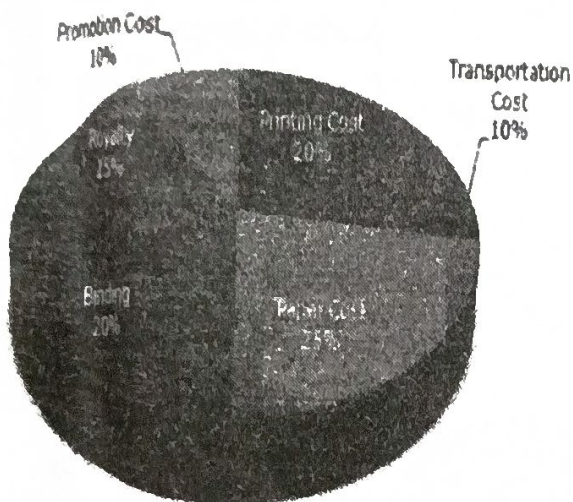


36. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?

a) 6.25  
b) 6.5  
c) 6.75  
d) 7

The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the ques based on it.

Various Expenditures (in percentage) Incurred in Publishing a Book



37. If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be amount of royalty to be paid for these books?

a) Rs. 19,450  
b) Rs. 21,200  
c) Rs. 22,950  
d) Rs. 26,150

38. What is the central angle of the sector corresponding to the expenditure incurred on Royalty?

a)  $15^\circ$   
b)  $24^\circ$   
c)  $54^\circ$   
d)  $48^\circ$

39. If 5500 copies are published and the transportation cost on them amounts to Rs. 82500, then what should be the selling price of the book so that the publisher can earn a profit of 25%?

a) Rs. 187.50  
b) Rs. 191.50  
c) Rs. 175  
d) Rs. 180

40. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6500?

a) Rs. 4991  
b) Rs. 5991  
c) Rs. 6001  
d) Rs. 6991

41. In a race of 930 metres, Rohan beats Sohan by 310 metres and in a race of 600 metres, Sohan beats Mohan by 24 metres. By how many metres will Rohan beat Mohan in 500 meters race?

a) 160 metres  
b) 150 metres  
c) 180 metres  
d) 140 metres

42. Rajdhani Express travels from New Delhi to Jalpaiguri and makes 6 stops on the way. 4 persons enter the train during the train's journey with 4 different tickets. How many different sets of tickets may they have had?

a) 6000  
b) 5840  
c) 5676  
d) 5985



43. Suchitra can till a big garden in 10 days. Konkana can till the same garden in 15 days. If the owner of the garden is ready to pay maximum of Rs 500 for tilling his garden. Both Suchitra and Konkana decide to till the garden together. How much will Suchitra earn more than Konkana, when tilling is finished?

- a) Rs 300
- b) Rs 100
- c) Rs 250
- d) Rs 150

44. In the given series which letters appears next?  
VH ZB, TKWB, RNTD, PQQD, NTNF \_ \_ \_ \_

- a) MUMG
- b) LUKG
- c) LWKF
- d) OWKG

45. A recipe requires 227 grams of ghee and 397 grams of flour. While making the recipe 227 grams of ghee is added, now if the chef accidentally pours in 595 grams of flour, how many more grams of ghee should be added?

- a) 340 gm
- b) 113 gm
- c) 104 gm
- d) 240 gm

46. The average number of visitors to a Museum every Monday is 96, whereas it is 156 on other days of the month. What will be the average number of visitors for the entire month if it has 30 days and begins on Monday?

- a) 144
- b) 145
- c) 146
- d) 147

47. Ayush had three books in which Book A had 120 pages. Book B had 10% more pages than Book A and Book C had 10% less pages than Book A. If she tore roughly 5%, 10% and 15% of pages in A, B and C respectively, then approximately what percent of pages did she tear out?

- a) 5%
- b) 10%
- c) 11%
- d) 15%

48. In a bag, there are 12 pens which are divided into 7 green and 5 black pens. In how many ways can we remove 8 pens so that at least 1 green pen and 1 black pen remain in the bag?

- a) 445
- b) 455
- c) 566
- d) 636

49. The price of wheat increases by 40 paise every year, while the price of rice increases by 15 paise every year. If in 2013, the price of wheat was Rs. 4.20 and that of rice was Rs. 6.30, in which year wheat will cost 40 paise more than the rice?

- a) 2020
- b) 2021
- c) 2022
- d) 2023



310 — 108  
50. In a class of 138, where girls are twice that of boys, Lucky ranked thirty fifth from the top, if there are 10 girls ahead of Lucky, how many boys are after him in rank?

- a) 21
- b) 16
- c) 17
- d) 25

51. How many times a person can be elected as a President of India?

- a) One time only
- b) Two times only
- c) Three times
- d) No bar.

52. According to the preamble of the Indian constitution, the ultimate power lies in the hands of

- a) Parliament
- b) President
- c) Constituent Assembly
- d) People

53. The word that does not appear in the Indian Constitution is

- a) Sovereign
- b) Federal
- c) Fraternity
- d) Republic

54. Which of the following is categorized as millet?

- a) Rice
- b) Maize
- c) Sorghum
- d) Wheat

55. Which of the following authority can provide for citizenship in case of acquisition of territory?

- a) Central Government
- b) Parliament of India
- c) Supreme Court of India
- d) All the citizens of acquired territory would automatically become citizens of India.

56. Lactometers, which are used to determine the purity of a sample of milk & hydrometers used for determining density of liquids, are based on which one of the following principles?

- a) Archimedes' Principle
- b) Bernoulli's Principle
- c) Boyles's Law
- d) Ohms law

57. In the context of Indian economy, first loan default guarantee (FLDG) model recently seen in the news is associated with:

- a) digital lending
- b) external commercial borrowings
- c) market borrowings by state governments
- d) priority sector lending

58. In the context of economics, Kuznets curve shows the relationship between which of the two following variables?

- a) Income inequality and per capita income (or economic development)
- b) Tax collected and economic growth (per capita income)
- c) Inflation and unemployment
- d) Interest rate and private investment



59. With reference to the G-20 'Troika', consider the following statements:

1. It is a sub-group within the G-20 comprising the three largest economies among the G-20 countries.
2. India is currently part of the G-20 Troika countries.

Which of the statements given above is/are not correct?

- a) 1 only
- b) 2 only
- ☒ c) Both 1 and 2
- d) Neither 1 nor 2

60. With reference to Buddhism, which of the following statements is not correct?

- a) There are three principal elements in Buddhism: Buddha, dhamma, and sangha.
- b) Buddhism rejects the authenticity of the Vedas.
- c) Tipitakas have been written in prakrit language.
- ☒ d) In various Buddhist texts, Buddha is also known as Tathagata and Sakyamuni.

61. Which of the following statements is not correct?

- a) Dawn and twilight stay for longer time in the temperate regions than the tropics.
- b) Generally, on 21st September, the Sun is vertically overhead at the tropic of Capricorn.
- ☒ c) While the latitudes are equally spaced, distance between longitudes vary.
- d) Seasonal extremes in two hemispheres are impacted by earth's axial precession.

62. Which of the following statements best explains the term "high-powered money"?

- a) A currency with high purchasing power.
- b) A currency which is acceptable to most of the countries of the world.
- c) A currency which is issued by the central bank of the country.
- ☒ d) Gold reserves held by the Central bank of the country.

63. Gandikota, which is popularly known as the Grand Canyon of India, is situated on which River?

- a) Tungabhadra
- b) Pennar
- ☒ c) Manjira
- d) Bharathapuzha

64. Consider the followings statements:

1. It is located, between Karakoram and Ladakh ranges of Himalayas.
2. Shyok river passes through this valley.
- ☒ 3. This valley houses double humped camels called Bactrian camels.

Which of the following valleys best reflects the above features?

- ☒ a) Gulmarg valley
- b) Poonch valley
- c) Hanle valley
- d) Nubra valley



65. Which of the following statements is correct in respect of the Vibrant Villages Programme(VVP)

- ☒ a) It is being implemented in all the villages having international borders.
- ☐ b) It will be fully funded by the Government of India
- ☐ c) It will help in reversing the outmigration from border villages
- ☐ d) It also aims to develop a model village that sources all its electricity needs solely from renewable energy.

66. With reference to missile technology, how are ballistic missiles different from cruise missiles?

- ☐ a) Cruise missiles are jet propelled throughout their flights, while ballistic missiles are rocket powered only in the initial phase of flight.
- ☐ b) Cruise missiles have lower target accuracy compared to ballistic missiles.
- ☐ c) Cruise missiles generally have a higher payload capacity than that of ballistic missiles.
- ☒ d) Ballistic missiles are difficult to detect compared to cruise missiles.

67. Tax buoyancy is the responsiveness of tax revenue growth to the changes in the-

- ☐ a) Gross domestic product of a country.
- ☒ b) Tax rates in a country.
- ☐ c) Tax base in a country.
- ☐ d) Rate of inflation in a country.

68. Which of the following groups of industries represents the Eight core Industries of India?

- ☐ a) Refinery products, fertilisers, pharmaceuticals and crude oil.
- ☐ b) Cement, steel, fertilisers and natural gas.
- ☒ c) Automobiles, crude oil, electricity and coal.
- ☐ d) Refinery products, steel, coal and textiles.

69. Which of the following statements is not correct regarding the recently launched 'National Action for Mechanised Sanitation Ecosystem(NAMASTE) Scheme?

- ☐ a) It was launched by Ministry Of Social Justice and Empowerment.
- ☐ b) The scheme is fully funded by the Union Government.
- ☒ c) The scheme has been extended to all the rural local bodies in the country.
- ☐ d) The scheme provides loan assistance to sanitation workers.

70. Which of the following best reflects the term 'Shrinkflation', seen in the news?

- ☐ a) Drastic increase in the price of a product due to its unavailability.
- ☐ b) Drastic decrease in the price of a product due to its easy availability.
- ☒ c) Reducing the quantity of a product without altering its price.
- ☐ d) Increase in the price of a product due to a rise in the price of its substitute goods.



71. The terms 'Schwarzschild radius' and 'Ergosphere' are related to which of the following?

- a) Lagrange points in space
- b) Distance between two galaxies.
- c) Black holes
- d) International space station.

72. The Barak River is a famous river of:

- a) The Western Ghat
- b) Eastern Ghat
- c) Satpura hills
- d) Manipur hills

73. What do plant and animal kingdom make together?

- a) Biosphere
- b) Hydrosphere
- c) Atmosphere
- d) All of these

74. The Rowlatt Act was passed in :

- a) 1905
- b) 1913
- c) 1919
- d) 1925

75. Which of the following is correctly matched?

- a) Measles – Bacteria
- b) Influenza – Virus
- c) Tuberculosis – Protozoa
- d) Whooping cough – Fungi

76. Find the synonym of :  
DISTINCTION

- a) Diffusion
- b) Disagreement
- c) Different
- d) Degree

77. In each question below, a sentence is broken into five or six parts. Join these parts to make a meaningful sentence. The correct order of parts is the answer.

- 1. I
- 2. Immediately
- 3. Salary
- 4. My
- 5. Want

- a) 43152
- b) 15432
- c) 25143
- d) 42351

78. When he

P: did not know

Q: he was nervous and

R: Heard the hue and cry at midnight

S: what to do

- a) RQPS
- b) QSPR
- c) SQPR
- d) PQRS

In the questions below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.

79. I remember my sister taking me to the museum.

- a) I remember I was taken to the museum by my sister.
- b) I remember being taken to the museum by my sister.
- c) I remember myself being taken to the museum by my sister.
- d) I remember taken to the museum by my sister.



80. A child could not have done this mischief.

- a) This mischief could not be done by a child.
- b) This mischief could not ~~been~~ done by a child.
- c) This mischief could not have been done by a child.
- d) This mischief a child could not have been done.

Some proverbs/idioms are given below together with their meanings. Choose the correct meaning of proverb/idiom

81. To end in smoke

- a) To make completely understand
- b) To ruin oneself
- c) To excite great applause
- d) To overcome someone

82. To pick holes

- a) To find some reason to quarrel
- b) To destroy something
- c) To criticise someone
- d) To cut some part of an item

In the questions below the sentences have been given in Direct/Indirect speech. From the given alternatives, choose the one which best expresses the given sentence in Indirect/Direct speech.

83. He said to his father, "Please increase my pocket-money."

- a) He told his father, "Please increase the pocket-money"
- b) He pleaded his father to please increase my pocket money.
- c) He requested his father to increase his pocket-money.
- d) He asked his father to increase his pocket-money.

84. "Please don't go away", she said.

- a) She said to please her and not go away.
- b) She told me to go away
- c) She begged me not to go away.
- d) She begged that I not go away.

Which of phrases given below each sentence should replace the phrase printed in **bold** type to make the grammatically correct?

85. The small child does whatever his father **was done**.

- a) has done
- b) did
- c) does
- d) had done

86. The man **to who I sold** my house was a cheat.

- a) to whom I sell
- b) to who I sell
- c) who was sold to
- d) to whom I sold

87. Select the word which means the same as the group of words given.

Study of Human Development:

- a) Philology
- b) Theology
- c) Acoustics
- d) Anthropology

88. One who cuts precious stones.

- a) Philatelist
- b) Driver
- c) Lapidarist
- d) Oculist



89. Select the most appropriate meaning of the idiom.

**A bed of roses:**

- a) To put something on hold
- b) A really good invention
- c) An easy and happy existence
- d) To improvise

90. He has no money now.....

- a) Although he was very poor once
- b) As he has given up all his wealth
- c) Because he was very rich once
- d) because he has received huge donation.

91. Early to bed and early to rise  
..... A man healthy, wealthy  
and wise.

- a) Make
- b) Makes
- c) Shall make
- d) Made

92. Listen, she is talking ..... you.

- a) For
- b) In
- c) About
- d) At

93. .... I were the richest person  
of the world!

- a) If
- b) When
- c) Unless
- d) Not any

94. Select the pair which has the same relationship.

GRAVITY: PULL

- a) Iron: Metal
- b) North Pole: Directions
- c) Magnetism: Attraction
- d) Dust: Desert

95. Eating fruits and vegetables is  
good ..... health.

- a) For
- b) From
- c) In
- d) At

96. Find out that word, spelling of  
which is **wrong**.

- a) Beetle
- b) Beautician
- c) Bearable
- d) Beautifull

97. Find the **correctly** spelt word.

- a) Quintessance
- b) Quintessence
- c) Quintesance
- d) Quintassence

98. He had managed to .....  
several times, but was finally .....  
by the police.

- a) Deceive, cheated
- b) Defend, acquitted
- c) Escape, arrested
- d) Cheat, robbed

99. Find the synonym of **Reckon**:

- a) Chosse
- b) Desire
- c) Calculate
- d) Explain

100. The magician created an  
..... Of the girl floating in air.

- a) Allusion
- b) Illusion
- c) Emission
- d) Omission