

GENERAL MATHEMATICS (25 MARKS)

1. Areas of two similar triangles are 36 cm^2 and 100 cm^2 . If the length of a side of the larger triangle is 20 cm, then the length of the corresponding side of the similar triangle is:
 - a) 15 cm
 - b) 14 cm
 - c) 12 cm
 - d) 13 cm
2. The LCM of two numbers is 44 times of their HCF. The sum of the LCM and HCF is 1125. If one number is 25, then the other number is
 - a) 900
 - b) 800
 - c) 1100
 - d) 975
3. The sum of two numbers is 45. Their difference is $\frac{1}{9}$ of their sum. Their L.C.M. is
 - a) 100
 - b) 150
 - c) 200
 - d) 250
4. The ratio of two numbers is 4 : 5 and their H.C.F. is 8. Then their L.C.M. is
 - a) 150
 - b) 160
 - c) 130
 - d) 140
5. The LCM of two consecutive even numbers is 144, find the numbers?
 - a) 16 and 18
 - b) 14 and 16
 - c) 18 and 20
 - d) 22 and 24
6. The average of the marks obtained in an examination by 8 students was 51 and by 9 other students was 68. The average marks of all 17 students was:
 - a) 59
 - b) 59.5
 - c) 60
 - d) 60.5
7. Cost of a pineapple will be Rs. 7 each whereas a watermelon will cost Rs. 5 each. A man spends a total of Rs. 38 on these fruits. The number of pineapples that he purchased were:
 - a) 2
 - b) 3
 - c) 4
 - d) Data inadequate

8. Find the mean proportional between 8 and 98.
- 112
 - 28
 - 16
 - 53
9. The cost price of a book is ₹110 and the selling price is ₹123.20. What percent profit will the bookseller make on selling it ?
- 11%
 - 12%
 - 13%
 - 14%
10. A 240 m long train crosses a 300 m long platform in 27 seconds. What is the speed of the train in km/h
- 30
 - 20
 - 72
 - None of these
11. The present age of father and son are in the ratio 3: 1. After 20 years the ratio becomes 2 : 1 . Find the present age of the father.
- 70
 - 45
 - 60
 - None of these
12. LCM of two numbers is 2079 and their HCF is 27. If one of the numbers is 189, the other number is-
- 297
 - 584
 - 189
 - None of these
13. Base of a right-angle triangle is 9 cm and its area is 81 sq cm. Find its height.
- 28 cm
 - 9 cm
 - 27 cm
 - None of these
14. The area of a circular plot is 3850 sq.meters. What is the circumference of the plot?
- 225 meters
 - 214 meters
 - 220 meters
 - 235 meters

15. Ratio between areas of two squares is 36:25. What would be the ratio between their perimeter?
- a) 5:4
 - b) 6:5
 - c) 4:6
 - d) 8:7
16. A wheel can travel 22 km. in 100 rounds. Find the radius of that wheel.
- a) 2 meters.
 - b) 28 meters.
 - c) 35 meters.
 - d) 49 meters.
17. Complete the series 2, 5, 9, 19, 37.....
- a) 76
 - b) 74
 - c) 75
 - d) 86
18. $345 \div 25 \times 1225 + 45 \times 12 - 36 \times 7 = ?$
- a) 14312
 - b) 13231
 - c) 15831
 - d) 17193
19. $30\% \text{ of } 550 - 120\% \text{ of } 6000 = ?$
- a) -7035
 - b) 7213
 - c) 7035
 - d) -7213
20. $133.223 + 222.32 + 32.2 + 111.02 = ?$
- a) 498.763
 - b) 450.56
 - c) 509.566
 - d) 505.634
21. $(72)^2 + (8)^3 - (9)^2 = ?$
- a) 5815
 - b) 5425
 - c) 5615
 - d) 5695
22. $58 + (222 \div 3) \div 37 + 2^2 = ?$
- a) 92
 - b) 67
 - c) 64
 - d) None of these.

23. How many times do the hands of a clock coincide in a day?
- a) 24
 - b) 22
 - c) 23
 - d) 21
24. If January 1, 1996, was Monday, what day of the week was January 1, 1997?
- a) Thursday
 - b) Wednesday
 - c) Friday
 - d) Sunday
25. What is the average of the first five multiples of 12?
- a) 36
 - b) 38
 - c) 40
 - d) 42

GENERAL ENGLISH(25 MARKS)

26. Select the correctly spelt word.
- a) Commiety
 - b) Committee
 - c) Comittee
 - d) Commitee
27. Select the correctly spelt word.
- a) Millennium
 - b) Millenium
 - c) Millenniumm
 - d) Millennium
28. In the following question choose the word opposite in meaning to the given word. **'DEFICIT'**
- a) surplus
 - b) superfluous
 - c) explicit
 - d) implicit
29. In the following question choose the word opposite in meaning to the given word. **'PERFECT'**
- a) defect
 - b) complete
 - c) imperfect
 - d) ugly
30. In the following question choose the word opposite in meaning to the given word.

'CALLOUS'

- a) Gentle
- b) Sensitive
- c) Persuasive
- d) Caring

31. In the following question out of the four alternatives, choose the one which best expresses the meaning of the given word as your answer.

'ZENITH'

- a) pinnacle
- b) reality
- c) hope
- d) Ideal

32. In the following question out of the four alternatives, choose the one which best expresses the meaning of the given word as your answer.

'CORDIAL'

- a) friendly
- b) kind
- c) affectionate
- d) generous

33. It _____ my brother.

- a) is ages that I didn't see
- b) is ages since I saw
- c) was ages that I haven't seen
- d) was ages since I saw

34. The doctor gave me a _____ for some medicine yesterday.

- a) note
- b) Receipt
- c) prescription
- d) recipe

35. "Did you speak to Alok?" "No, I've _____ seen her."

- a) Nearly
- b) Hardly
- c) often
- d) always

36. You should _____ swimming.

- a) start up
- b) get off
- c) take up
- d) take off

37. The modal 'may' can express the meaning of

- a) ability
- b) advice
- c) possibility
- d) prohibition

38. **'May I enter your office?'** - In the given sentence 'may' has the meaning of-

- a) permission
- b) possibility
- c) probability
- d) order

39. In the following question, out of the four alternatives, choose the one which can be substituted for the given sentence.

'One who thinks or speaks too much of himself'

- a) Egotist
- b) Optimist
- c) Imposter
- d) Enthusiast

40. In the following question, out of the four alternatives, choose the one which can be substituted for the given sentence.

'Operation of the body after death'

- a) homage
- b) mortuary
- c) post-mortem
- d) obituary

41. In the following question, out of the four alternatives, choose the one which can be substituted for the given sentence.

'Doing undue favour to their relatives'

- a) nepotism
- b) dualism
- c) polarism
- d) pluralism

42. How you (get) on with your studies?

- a) is, get
- b) do, get
- c) is, getting
- d) have, got

43. I..... (write) to her last week.

- a) wrote
- b) have been writing
- c) had been writing
- d) Written

44. He (teach) in this college for five years.

- a) taught
- b) is teaching
- c) taught
- d) has been teaching

45. In the question, the sentence is split into four parts and named A, B, C and D. These four parts are not given in their proper order. Read the sentence and find out which of the four combinations is correct.

she had taken a seat(A) / I put a woolen rug(B) / after (C) / over her knees.(D)

- a) CABD
- b) BACD
- c) ADBC
- d) CDAB

46. In the question, the sentence is split into four parts and named A, B, C and D. These four parts are not given in their proper order. Read the sentence and find out which of the four combinations is correct.

coal as a fuel(A) / in place of wood(B) / during this period (C) / people were beginning to use(D)

- a) BDAC
- b) ACDB
- c) CDAB
- d) DCAB

47. In the question, the sentence is split into four parts and named A, B, C and D. These four parts are not given in their proper order. Read the sentence and find out which of the four combinations is correct.

are not allowed (A) / to change to a different class (B) / unless there is a special reason(C) / students (D)

- a) ACBD
- b) DABC
- c) CDBA
- d) BADC

48. In this question read each part of the sentence to find out whether there is any error in it. the error, if any will be in one part, the number of that part is the answer. If there is no error, the answer is (D). (Ignore errors of punctuation, if any.)

Unless aid arrives (A) / within the next few weeks (B) / thousands are starving. (C) / No error (D)

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

49. In this question read each part of the sentence to find out whether there is any error in it. the error, if any will be in one part, the number of that part is the answer. If there is no error, the answer is (D). (Ignore errors of punctuation, if any.)

Our new television set come (A) / with a 90 days warranty (B) / on all electrical components.(C) / No error (D)

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

50. In this question read each part of the sentence to find out whether there is any error in it. the error, if any will be in one part, the number of that part is the answer. If there is no error, the answer is (D). (Ignore errors of punctuation, if any.)

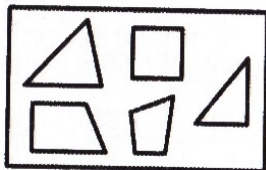
Bose is (A) / more popular than (B) / any student in the class. (C) / No error (D)

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

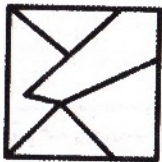
GENERAL REASONING ABILITY(25 MARKS)

51. From the given four answer figures in option select the one in which the question figure is hidden/embedded in the same direction.

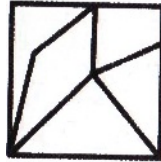
Question figure-



a)



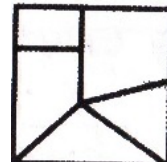
b)



c)

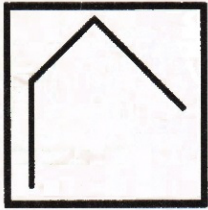


d)



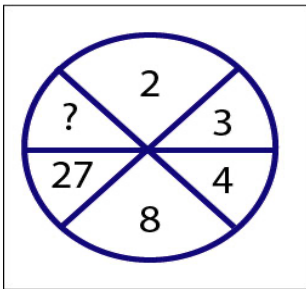
52. From the given four answer figures in option select the one in which the question figure is hidden/embedded in the same direction.

Question Figure-



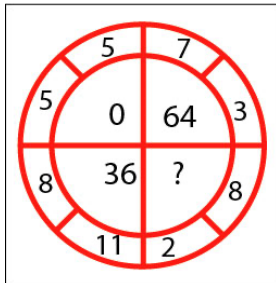
- a) b) c) d)

53. Decode the logic and insert the correct number in the asked place.



- a) 49
b) 45
c) 64
d) 56

54. Decode the logic and insert the correct number in the asked place.



- a) 100
b) 144
c) 0
d) 125

55. Directions: Study the following information to answer the given questions.

A, B, C, D, E, F and G are seated in a straight line facing North but not necessarily in the same order. Only three people sit between F and A. Neither F nor A sits at an extreme end of the line. Only two people between A and G. E is not an immediate neighbor of either A or F. E sits third Due to the left of B. B is not an immediate neighbor of A. E is not an immediate neighbor of C.

Q : What is the position of E with respect to C?

- a) Third to the left
- b) Fourth to the right
- c) Second to the right
- d) Third to the right

56. Five words are given below. Which one of them will come in the middle if they are arranged in alphabetical order in a dictionary?

Asbestos, Asterisk, Assistant, Assessment, Ass

- a) Asbestos
- b) Assessment
- c) Assistant
- d) Asterisk

57. Direction: In the following question, find out which of the letter series follows the given rule. The number of letters skipped in between the adjacent letters in the series are multiples of 3.

- a) GKOTZ
- b) LORUX
- c) AELPZ
- d) DHLPU

58. Kartik started walking from a mall. First, he walked 3 km in the North direction. From there he took a right turn and walked 3 km. Then he turned right and walked 5 km. Then he again took a right turn and walked 7 km. What is the minimum distance between Mall and Kartik's last position?

- a) 5 km
- b) 10 km
- c) 7 km
- d) 3 km

59. Kajal was in a temple and was facing west. He turns 45° in the clockwise direction to collect a token then another 180° in clockwise direction. Then he turns 45° in an anticlockwise direction. Which direction is he facing now?

- a) East
- b) South-east
- c) North
- d) None of these

60. If "BOULDER" is coded as "ZMSJBCEP", then how will ELK be coded as ?

- a) CJI
- b) PXM
- c) XIG
- d) EOC

61. If LOSE is coded as 1357 and GAIN is coded as 2468, what do the figures 84615 stand for?

- a) LANES
- b) SLAIN
- c) NAILS
- d) SNAIL

62. Direction: From the given alternatives select the word which cannot be formed using the letters of the given word. **CHARACTER**

- a) HEARTY
- b) CRATE
- c) TRACER
- d) CHARTER

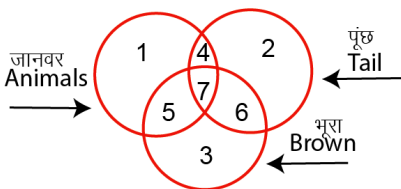
63. Direction: From the given alternatives select the word which cannot be formed using the letters of the given word. **ESTABLISHMENT**

- a) TENTS
- b) STATE
- c) TABLE
- d) BLUNT

64. Direction: From the given alternatives select the word which cannot be formed using the letters of the given word. **INTERNATIONAL**

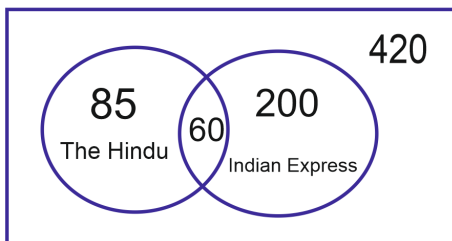
- a) LATTER
- b) TERMINAL
- c) ORIENTAL
- d) RATIONALE

65. In the given figure, which number represents brown animals which do not have tails?



- a) 7
- b) 4
- c) 5
- d) 6

66. From the information given below, find out the number of people who do not read any newspaper? (here The Hindu and Indian Express are two newspapers)



- a) 195
- b) 135
- c) 175
- d) 75

67. Rahul's mother is the only daughter of Monika's father. How is Monika's husband related to Rahul?

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

68. Deepak is the brother of Ravi. Rekha is sister of Atul. Ravi is the son of Rekha. How is Deepak related to Rekha?

- a) Brother
- b) Son
- c) Father
- d) Nephew

69. Given that: A is the brother of B, C is the sister of A, D is the brother of E and E is the daughter of B. Then uncle of D is

- a) B
- b) A
- c) E
- d) C

70. Four numbers are given out of which three are like in the same manner while one is different. Choose which one is different from the rest three?

- a) 72
- b) 18
- c) 28
- d) 45

71. Four numbers are given, out of which three are like in some manner while one is different. Choose the one which is different from the rest three?

- a) 34424
- b) 52163
- c) 25631
- d) 33442

72. Four words are given, out of which three are like in same manner while one is different. Choose the one which is different from the rest three?

- a) Delhi
- b) Beijing

- c) Cuba
- d) Rome

73. Choose the odd one out from the given alternatives.

- a) Tree : Stem
- b) Face : Eye
- c) Chair : Cycle
- d) Plant : Flower

74. If 'cook' is called 'butler', 'butler' is called 'manager', 'manager' is called 'teacher', 'teacher' is called 'clerk' and 'clerk' is called 'principal', who will teach in a class?

- a) Cook
- b) Manager
- c) Teacher
- d) Clerk

75. In a certain code language 'Pen pencil' is written as '\$£', 'eraser sharpener' is written as '@#' and 'pencil eraser' is written '\$@'. Then, what is the code for 'pen' ?

- a) #
- b) \$
- c) @
- d) £

GENERAL AWARENESS AND CURRENT AFFAIRS(25 MARKS)

76. Droupadi Murmu is an Indian politician who is the 15th and current president of India since 25 July 2022. Prior to her presidency she served as-

- a) Ninth governor of odisha
- b) Ninth governor of jharkhand
- c) Chief minister of jharkhand
- d) Chief minister of odisha

78. The Chernobyl Disaster was a nuclear accident that occurred on 26 April 1986. Chernobyl is now belongs to the country-

- a) Russia
- b) Belarus
- c) Ukraine
- d) Poland

79. Recently NASA and the European and Canadian Space Agencies developed an extremely powerful telescope which is 100 times more sensitive than the Hubble space telescope. The name the telescope is-

- a) Spitzer space Telescope
- b) Galaxy Evolution Explorer (GALEX)
- c) James Webb Telescope

- d) XMM/Newton
80. The 2022 Commonwealth Games was officially inaugurated on July 28, 2022, following a grand opening ceremony at
- Gold Coast in Australia.
 - Birmingham, England
 - The Canadian city of Hamilton
 - New Delhi, India
81. Which one of the following is the new inclusion in Commonwealth Games 22 ?
- Mountain biking
 - Women's cricket
 - Judo
 - triathlon
82. India's first National Film Museum opens at
- Delhi
 - Mumbai
 - Hyderabad
 - Kolkata
83. Who is known as the Father of the Green Revolution?
- Dr. M S Swaminathan
 - Norman Borlaugh
 - Verghese Kurien
 - None of these
84. Which is the primary and major source of irrigation in India?
- Tank
 - Canals
 - Rain fed
 - Wells and tube wells
85. Which of the following gas is directly responsible for the depletion of the ozone layer?
- Carbon dioxide
 - Carbon monoxide
 - Nitrous oxide
 - Chlorofluorocarbon (CFC)

86. Match the following **cities** on the **river bank**.

Cities	River
a. Surat	1. Chambal
b. Vijayawada	2. Musi
c. Hyderabad	3. Krishna
d. Gwalior	4. Tapti/Tapi

- a) a1,b2,c3,d4
- b) a4,b3,c2,d1
- c) a4,b2,c3,d1
- d) a3,b4,c2,d1

87. According to the Constitution of India, which of the following is not one of the main organs of the Government?

- a) Legislature
- b) Bureaucracy
- c) Executive
- d) Judiciary

88. Harshcharita and KadamBari are the works of

- a) Kalhan
- b) Panini
- c) Bana Bhatta
- d) Patanjali

89. Mein Kampf is authored by

- a) Napoleon Bonaparte
- b) Karl Marx
- c) Adolf Hitler
- d) Benito Mussolini

90. Which city is safest in India according to the latest National Crime Records Bureau (NCRB) report of 2022 ?

- a) Mumbai
- b) Bengaluru
- c) Hyderabad
- d) Kolkata

91. Who has been awarded UNESCO Peace Prize 2022?

- a) Volodymyr Zelensky
- b) Joe Biden
- c) Angela Merkel
- d) Emmanuel Macron

92. Which film bagged "Best Film award" at the IFFM 2022?

- a) Sardar Udham
- b) Gangubai Kathiawadi
- c) 83
- d) Jai Bhim

93. Who is the present president of the country ukraine?

- a) Volodymyr zeleneskyy
- b) Aleksandr Lukashenko
- c) Vladimir Putin
- d) Robert zeleneskyy

94. What is the name of India's first unique blood group?

- a) RHE Negative
 - b) AMU Positive
 - c) SNE Negative
 - d) EMM Negative
95. Who has become the 49th Chief Justice of India?
- a) Vineet Saran
 - b) Dhananjaya Y. Chandrachud
 - c) Uday Umesh Lalit
 - d) Shripathi Ravindra Bhat
96. Which of the following is not a member of the European Union?
- a) Greece
 - b) Finland
 - c) Norway
 - d) The United Kingdom
97. This river was also called the Ganges of the South, Name the river from the given options.
- a) the Godavari
 - b) Krishna
 - c) Cauvery
 - d) None of these
98. Jana Gana Mana, was accepted as the National Anthem of India by the Constituent Assembly of India in which of the following years?
- a) 1950
 - b) 1949
 - c) 1948
 - d) 1947
99. Is the correct detailed form of the term http in internet address?
- a) Higher text transfer protocol
 - b) Higher transfer text protocol
 - c) Hybridtext transfer protocol
 - d) Hypertext transfer protocol
100. How many bytes are 1 gigabyte (GB)?
- a) 1024 KB
 - b) 1024 MB
 - c) 1024 GB
 - d) 1024 TB