

Section—A

General Knowledge

- The Aryans came to India from
 - Northern Europe
 - Central Asia
 - South-East Asia
 - North-East Africa
- Tripitakas* are the sacred books of which of the following religions?
 - Jainism
 - Buddhism
 - Hinduism
 - Zoroastrianism
- Who is called the Napoleon of Ancient India?
 - Chandragupta Maurya
 - Pushyamitra
 - Kanishka
 - Samudragupta
- King Porus was defeated by Alexander the Great in the Battle of
 - Buxar
 - Herat
 - Kabul
 - Hydaspes
- Who was the author of the book, *Indica*?
 - Vishnugupta
 - Megasthenes
 - Diamechus
 - Harshavardhana
- Kautilya was the Prime Minister of which of the following Indian rulers?
 - Chandragupta Maurya
 - Chandragupta-I
 - Ashoka
 - Harshavardhana
- Who ascended the throne of Delhi Sultanate after the death of Qutub-ud-din Aibak?
 - Ghiyas-ud-din Balban
 - Iltutmish
 - Nasir-ud-din Shah
 - Raziya Sultana
- Who wrote the book, *Ramcharitmanas*?
 - Kabir
 - Ramdas
 - Tulsidas
 - Sankaracharya
- Which Mughal emperor founded his own religion, *Din-i-Ilahi*?
 - Humayun
 - Akbar
 - Jahangir
 - Aurangzeb
- The Quit India Movement was launched in the year
 - 1924
 - 1934
 - 1947
 - 1942
- 'Garba' dance is a dance from
 - Rajasthan
 - Gujarat
 - Karnataka
 - Maharashtra
- The Elephanta Cave is situated near
 - Mumbai
 - Chennai
 - Mount Abu
 - Amarnath
- Which of the following was written by Kalidasa?
 - Sursagar*
 - Rajatarangini*
 - Kathasaritsagara*
 - Meghadutam*
- The classical dance of Andhra Pradesh is
 - Kathakali
 - Kuchipudi
 - Mohiniyattam
 - Bharatanatyam
- The 'Desert Festival' in India is held in
 - Jaisalmer
 - Jaipur
 - Bikaner
 - Jodhpur
- Which planet looks reddish in the night sky?
 - Mercury
 - Mars
 - Jupiter
 - Saturn
- Which one of the following planets has the largest number of natural satellites or moons?
 - Jupiter
 - Mars
 - Saturn
 - Venus
- The earth rotates on its axis from
 - north to south
 - east to west
 - south to north
 - west to east
- Through which of the following countries does the equator pass?
 - Peru
 - Brazil
 - Egypt
 - Thailand
- Solar eclipse occurs when
 - earth comes in between sun and moon
 - moon is at right angle to earth
 - moon comes between sun and earth
 - sun comes between moon and earth

21. The speed of rotation of the earth in kilometer per hour is the highest

- (A) along the Equator
- (B) at the North Pole
- (C) along the Tropic of Cancer
- (D) along the Arctic Circle

22. Which of the following is a metamorphic rock?

- (A) Slate
- (B) Sandstone
- (C) Shale
- (D) Limestone

23. Which one of the following countries is known as 'land of thousand lakes'?

- (A) Portugal
- (B) Austria
- (C) Finland
- (D) Romania

24. The Strait that separates Europe from Africa is

- (A) Hook Strait
- (B) Strait of Gibraltar
- (C) Palk Strait
- (D) Bering Strait

25. Which is the deepest freshwater lake in the world?

- (A) Lake Tanganyika
- (B) Lake Superior
- (C) Lake Baikal
- (D) Lake Michigan

26. Malta is located in which of the following seas?

- (A) Baltic Sea
- (B) Mediterranean Sea
- (C) Black Sea
- (D) North Sea

27. Which of the following European countries has coastline with the Atlantic Ocean?

- (A) Portugal
- (B) Italy
- (C) Germany
- (D) Greece

28. The world's largest coral reef is found near the coast of which of the following?

- (A) Australia
- (B) Ghana
- (C) Cuba
- (D) Philippines

29. What is the capital of Turkey?

- (A) Amsterdam
- (B) Addis Ababa
- (C) Ankara
- (D) Beirut

30. What is the currency of Thailand?

- (A) Kyat
- (B) Dong
- (C) Won
- (D) Baht

31. Which of the following Indian States does not have a coastline?

- (A) Rajasthan
- (B) Maharashtra
- (C) Odisha
- (D) Kerala

32. Which of the following Indian States forms the easternmost border of the country?

- (A) Assam
- (B) Arunachal Pradesh
- (C) Nagaland
- (D) Manipur

33. Which of the following rivers flows from east to west?

- (A) Narmada
- (B) Godavari
- (C) Krishna
- (D) Cauvery

34. Under which Article of the Constitution is the President's rule promulgated in any State in India?

- (A) Article 356
- (B) Article 352
- (C) Article 360
- (D) Article 370

35. POCSO Act is related to

- (A) oil companies
- (B) children
- (C) civil servants
- (D) ocean

36. Two atoms are said to be isotopes if

- (A) they have the same atomic number, but different mass numbers

- (B) they have the same number of neutrons, but different mass numbers

- (C) they have the same number of protons and neutrons

- (D) they have same number of neutrons but different numbers of protons

37. The loudness of sound is related to

- (A) its frequency

- (B) its amplitude

- (C) its speed

- (D) its pitch

38. The phenomenon of 'total internal reflection' is observed in which of the following?

- (A) Glowing tube light

- (B) Light passing through lens

- (C) Sparkling diamond

- (D) Twinkling star

39. Electricity is produced in a dry cell through conversion of energy from

- (A) chemical energy

- (B) thermal energy

- (C) mechanical energy

- (D) nuclear energy

40. The main constituent of vinegar is

- (A) acetic acid

- (B) ascorbic acid

- (C) citric acid

- (D) tartaric acid

41. Non-stick cooking utensils are coated with

- (A) black paint
- (B) PVC
- (C) teflon
- (D) polystyrene

42. Which of the following elements is found in all organic compounds?

- (A) Carbon
- (B) Calcium
- (C) Nitrogen
- (D) Oxygen

43. Which of the following acids is a mineral acid?

- (A) Citric acid
- (B) Hydrochloric acid
- (C) Ascorbic acid
- (D) Tartaric acid

44. Which among the following is an example of chemical change?

- (A) The melting of an ice cube
- (B) The boiling of water
- (C) Rusting of iron utensils
- (D) Attraction of iron nail to a magnet

45. Which of the following is the lightest metal?

- (A) Mercury
- (B) Sodium
- (C) Lithium
- (D) Cadmium

46. Scurvy is caused by deficiency in

- (A) vitamin A
- (B) vitamin B₁
- (C) vitamin C
- (D) vitamin D₃

47. Which of the following glands produces growth hormone in human?

- (A) Adrenal gland
- (B) Pancreas
- (C) Pituitary gland
- (D) Thyroid gland

48. Which of the following diseases is caused by bacteria?

- (A) Hepatitis B
- (B) Poliomyelitis
- (C) Scabies
- (D) Tuberculosis

49. Which of the following diseases is also known as 'breakbone fever'?

- (A) Typhoid
- (B) Rhinitis
- (C) Yellow fever
- (D) Dengue

50. The site for cellular respiration in animal cell is

- (A) ribosome
- (B) mitochondria
- (C) endoplasmic reticulum
- (D) lysosome

Section—B

General English

51. What is the synonym of 'Occupation'?

- (A) Space
- (B) Job
- (C) Village
- (D) Plantation

52. What is the antonym of 'Cautious'?

- (A) Sacred
- (B) Careless
- (C) Terrible
- (D) Frightening

53. Which of the following is **not** a collective noun?

- (A) Jury
- (B) Parliament
- (C) Nation
- (D) Police

54. Which abstract noun is formed from the verb 'obey'?

- (A) Obedience
- (B) Obedience
- (C) Obedity
- (D) Observance

55. What is the female gender of 'hero'?

- (A) Heroism
- (B) Heroin
- (C) Heroine
- (D) Heron

56. What is the plural of 'handkerchief'?

- (A) Handkercheives
- (B) Handkerchiefes
- (C) Handkerchiefs
- (D) Handkercheifs

57. Use the correct adjective to fill up the following sentence :

"Suddenly there arose a _____ storm."

- (A) breezy
- (B) gush
- (C) violent
- (D) soft

58. What is the superlative of 'inner'?

- (A) Innertest
- (B) Innermost
- (C) Innerst
- (D) Innerest

59. Complete the following sentence using the correct option from given below :

"I will not buy _____ mangoes."

- (A) some
- (B) every
- (C) each
- (D) any

60. Fill in the blank with the correct article :
"I have only _____ one-rupee note with me."

- (A) a
- (B) an
- (C) the
- (D) None of the above

61. Fill in the blank with correct pronoun :

"You and Hari have idled away _____ time."

- (A) your
- (B) their
- (C) there
- (D) those

62. Fill in the blank with correct verb :

"The wounded man was _____ helped by some boys."

- (A) readily
- (B) being
- (C) sympathetically
- (D) affectionately

63. What is the past participle of 'wear'?

- (A) Wore
- (B) Worn
- (C) Wear
- (D) Weared

64. Use the correct adverb to complete the following sentence :

"He has _____ seen a tiger."

- (A) carefully
- (B) heavily
- (C) hard
- (D) never

65. Fill in the blank with correct preposition :

"He leaned _____ the wall and waited for me."

- (A) against
- (B) on
- (C) under
- (D) between

66. What is the verb form of 'bath'?

- (A) Bath
- (B) Bathe
- (C) Baths
- (D) Bath's

67. What is the diminutive form of 'hill'?

- (A) Hillet
- (B) Hill-ling
- (C) Hillock
- (D) Hilly

68. Use the correct option to complete the following phrase :

'from _____ to worse'

- (A) worst
- (B) best
- (C) better
- (D) bad

69. What is the meaning of the idiom, 'turn deaf ear to'?

- (A) Disregard
- (B) Disrespect
- (C) Disdain
- (D) Distract

70. Complete the following English proverb with the correct option given below :

'No _____, no gains'

- (A) money
- (B) capital
- (C) pains
- (D) risk

71. What is the past tense of 'bite'?

- (A) Bit
- (B) Bite
- (C) Bitten
- (D) Bought

72. What is the single word for the phrase, 'in spite of'?

- (A) Notwithstanding
- (B) Barring
- (C) Considering
- (D) Pending

73. What is a group of sheep known as?

- (A) Crowd
- (B) Flock
- (C) Herd
- (D) Army

74. What is the opposite gender of 'wizard'?

- (A) Bachelor
- (B) Weaver
- (C) Widower
- (D) Witch

75. What is the plural of 'Commander in chief'?

- (A) Commander in chiefs
- (B) Commander in chieives
- (C) Commanders in chief
- (D) Commanders in chiefs

Section—C

General Mathematics

76. Simplify

$$\frac{2}{5} \times \frac{-3}{7} - \frac{1}{14} - \frac{3}{7} \times \frac{3}{5}$$

- (A) $-\frac{3}{7}$
 (B) $\frac{3}{8}$
 (C) $-\frac{1}{2}$
 (D) $-\frac{3}{8}$

77. What should be added to twice the rational number $-\frac{7}{3}$ to get $\frac{3}{7}$?

- (A) $\frac{21}{107}$
 (B) $\frac{3}{74}$
 (C) $\frac{74}{3}$
 (D) $\frac{107}{21}$

78. The sum of three consecutive multiples of 11 is 363. What is the middle term?

- (A) 110
 (B) 121
 (C) 132
 (D) 143

79. Bansi has 3 times as many two-rupee coins as he has five-rupee coins. If he has in all a sum of ₹ 77, how many two-rupee coins does he have?

- (A) 7
 (B) 21
 (C) 34
 (D) 12

80. The digits of a two-digit number differ by 3. If the digits are interchanged and the resulting number is added to the original number, we get 143. What can be the original number?

- (A) 63
 (B) 96
 (C) 69
 (D) 85

81. Arjun is twice as old as Shriya. Five years ago, his age was three times Shriya's age. What is Arjun's present age?

- (A) 20 years
 (B) 30 years
 (C) 40 years
 (D) 50 years

82. The value of x in the equation

$$\frac{6x+1}{3} + 1 = \frac{x-3}{6}$$

is

- (A) 5
 (B) -5
 (C) 1
 (D) -1

83. Find the number of sides of a regular polygon whose each exterior angle has a measure of 45° .

- (A) 6
 (B) 8
 (C) 9
 (D) 10

84. Which of the following numbers is a perfect square?

- (A) 1057
 (B) 23453
 (C) 7921
 (D) 222222

85. In a right triangle, the length of the hypotenuse and a side are respectively 5 cm and 3 cm. What is the length of the remaining side?

- (A) 2 cm
 (B) 4 cm
 (C) 3.5 cm
 (D) 8 cm

86. By which smallest natural number should 53240 be divided so that the quotient is a perfect cube?

- (A) 11
 (B) 2
 (C) 5
 (D) 17

87. An item marked at ₹ 840 is sold for ₹ 714. What is the discount percentage?

- (A) 10%
 (B) 12%
 (C) 15%
 (D) 18%

88. Sohan bought a second-hand refrigerator for ₹ 2,500, then spent ₹ 500 on its repairs and sold it for ₹ 3,300. Find his loss or gain percent.

- (A) Loss 10%
 (B) Profit 10%
 (C) Loss 12%
 (D) Profit 12%

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89. A sum of ₹ 10,000 is borrowed at a rate of interest 15% per annum for 2 years. What will be the simple interest on this sum at the end of 2 years?

- (A) ₹ 1,500
- (B) ₹ 2,400
- (C) ₹ 3,000
- (D) ₹ 3,500

90. Subtracting $5x^2 - 4y^2 + 6y - 3$ from $7x^2 - 4xy + 8y^2 + 5x - 3y$ gives

- (A) $2x^2 - 4xy + 12y^2 - 9y + 3$
- (B) $2x^2 - 4xy + 12y^2 + 5x - 9y + 3$
- (C) $2x^2 + 12y^2 + 5x - 9y + 3$
- (D) $2x^2 - 4xy + 5x - 9y + 3$

91. What is the value of $3y(2y - 7) - 3(y - 4) - 63$ if $y = -2$?

- (A) 21
- (B) -51
- (C) 37
- (D) -43

92. The perimeter of a parallelogram with sides of 7 cm and 12 cm length is

- (A) 84 cm
- (B) 19 cm
- (C) 38 cm
- (D) 10 cm

93. Which of the following about a parallelogram is true?

- (A) All internal angles are equal
- (B) Diagonals bisect one another
- (C) Parallel sides intersect each other
- (D) One of the angles is always right angle

94. The area of a trapezium-shaped field is 480 m^2 , the distance between two parallel sides is 15 m and length of one of the parallel sides is 20 m. What is the length of the other parallel side?

- (A) 64 m
- (B) 24 m
- (C) 48 m
- (D) 44 m