



SAMVAAD ENTRANCE EXAMINATION

Class – VIII

Subject: General Knowledge

Q1. On which date, the international Cheetah Day is celebrated every year?

- A. 4th October
- B. 3rd December
- C. 4th December
- D. 21st March

Q2. In the study of black holes, what do you call a star that is produced by a supernova?

- A. Plutonic star
- B. Neutron star
- C. Falling star
- D. Shooting star

Q3. Who was the Merchant of Venice in Shakespeare's play of the same name?

- A. Antonio
- B. Salerio
- C. Bassanio
- D. Gratiano

Q4. Select which of the following Raagas is a seasonal Raaga?

- A. Raaga Yaman
- B. Raaga Megh
- C. Raaga Bhairav
- D. Raaga Deepak

Q5. Taekwondo is a Korean martial art. In American taekwondo association how many degrees of black belts are there?

- A. 5
- B. 7
- C. 9
- D. 11

Subject: Reasoning

Q6. Find the next number:

14, 29, 58, 117, ?

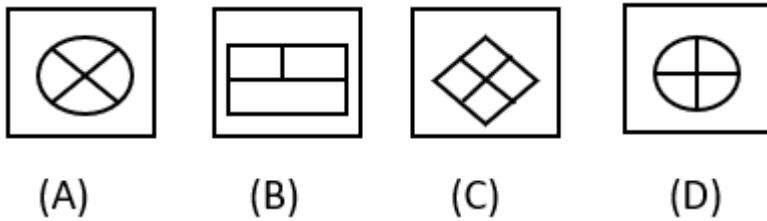
- (A) 234
- (B) 220

- (C) 240
- (D) 235

Q7 Crooked: Straight: Stale:?

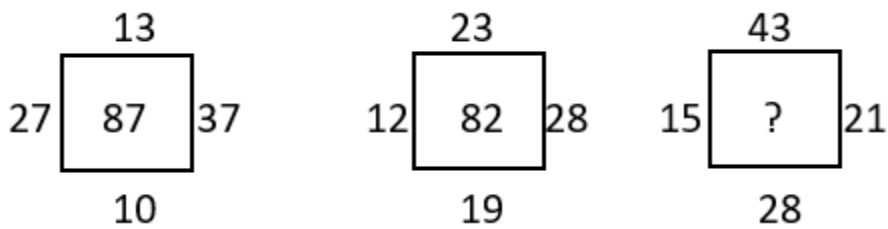
- A) Fresh
- B) Steal
- C) Wise
- D) Contract

Q8. Choose the figure which is different from the rest?



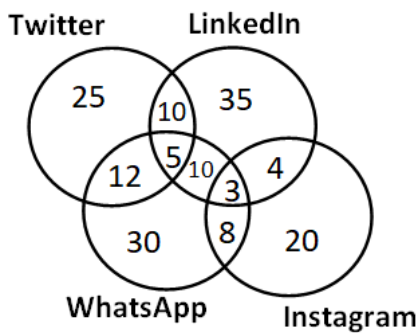
- A) Figure A
- B) Figure B
- C) Figure C
- D) Figure D

Q9. Find the correct alternative which will replace the question mark?



- A) 220
- B) 164
- C) 107
- D) 285

Q10. The following diagram shows the number of people who uses Twitter, LinkedIn, WhatsApp and Instagram. If the total number of people is 600, then what is the number of people who are using Twitter and LinkedIn but not WhatsApp?



- A)3
- B)10

- C)25
- D)11

Subject: Mathematics

Q11. Additive Inverse of -7 is

- (A) 7
- (B) $1/7$
- (C) $1/-7$
- (D) none of these

Q12. Which of the following is true?

- (A) $(-8) + (3) > (8) - (-3)$
- (B) $(-8) + (-3) < (-8) - (-3)$
- (C) $(-8) + (-3) = (-8) - (-3)$
- (D) none of these

Q13. The value of $(-2^2)^0$ is equal to ____

- (A) 4
- (B) -4
- (C) 0
- (D) 1

Q14. The side of an equilateral triangle is x cm. The perimeter of the triangle is

- (A) x^3 cm
- (B) x^3 cm²
- (C) 3x cm
- (D) 3x cm²

Q15. $(-2 + 5/4)$ is equal to

- (A) $3/4$
- (B) $-3/4$
- (C) $13/4$
- (D) $7/4$

Q16. $1 \text{ m}^3 = \dots\dots\dots$ litre?

- (A) 10 liter
- (B) 100 liter
- (C) 1000 liter
- (D) 10000 liter

Q17. $1 \frac{3}{4}$ dozen of pencil is equal to

- (A) 6 pencils
- (B) 14 pencils

- (C) 21 pencils
- (D) 15 pencils

Q18. Simple equation for “7 more than a number equals 29” is:

- (A) $x+7 = 29$
- (B) $7+x = 29$
- (C) $7x = 29$
- (D) Both (A) and (B)

Q19. If $-n - 2n = -0.21$, then the value of n is

- (A) 0.07
- (B) 0.7
- (C) - 0.07
- (D) -0.7

Q20. Rama bought two dozen banana and ate six out of them. The fraction of the total number of banana was left:

- (A) $\frac{1}{5}$
- (B) $\frac{5}{6}$
- (C) $\frac{6}{5}$
- (D) None of these

Q21. The predecessor of $-(-3)$

- (A) -4
- (B) -2
- (C) 2
- (D) 4

Q22. -100 and -99 are two integers, then:

- (A) -99 is smaller than -100
- (B) The sum of -100 and -99 is positive
- (C) -99 is greater than -100
- (D) None of these

Q23. If $x=-15$ and $y=-4$, then the value of $-(-xy)$ is:

- (A) -60
- (B) $+60$
- (C) -19
- (D) $+19$

Q24. The angles of a triangle are in the ratio $2:3:4$. The measure of smallest angle is

- (A) 20°
- (B) 30°
- (C) 40°
- (D) 60°

Q25. A bag has 4 red balls and 4 blue balls, what is the probability of getting a green ball randomly?

- (A) $\frac{1}{4}$
- (B) $\frac{1}{8}$

- (C) $\frac{1}{2}$
- (D) 0

Q26. Pictorial representation of data using symbols is known as:

- (A) Bargraph
- (B) Pictograph
- (C) Piechart
- (D) None of these

Q27. An angle is double of their supplements, then the size of angles are

- (A) 45° , 90°
- (B) 30° , 60°
- (C) 60° , 120°
- (D) None of these

Q28. A triangle has maximum number of median?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

Q29. An angle is half of its complements, then the size of angles are

- (A) 45° , 90°
- (B) 30° , 60°
- (C) 60° , 120°
- (D) None of these

Q30. Which is the longest side in the triangle ABC right angled at C?

- (A) AB
- (B) BC
- (C) AC
- (D) None of these

Q31. The measure of the angle which is equal to its supplementary angle is

- (A) 30°
- (B) 60°
- (C) 45°
- (D) 90°

Q32. When the diameter of the circle is 'd' cm, then Circumference of the circle is:

- (A) πd
- (B) $2 \pi d$
- (C) πd^2
- (D) Both (A) and (B)

Q33. The perimeter of rectangle whose length is 60 cm and a diagonal is 61 cm is

- (A) 120 cm
- (B) 122 cm

- (C) 142 cm
- (D) 72 cm

Q34. A wire is in the shape of a circle of radius 35 cm. It is now bent in the form of a square. The side of the square is

- (A) 35 cm
- (B) 55 cm
- (C) 70 cm
- (D) 612.5 cm

Q35. How many lines of symmetry are there in a equilateral triangle?

- (A) 0
- (B) 1
- (C) 2
- (D) 3

Q36. HCF of 40 and 16 is:

- (A) 1
- (B) 8
- (C) 16
- (D) 640

Q37. ($\frac{a^4}{a^2} \times a^3 =$)

- (A) a^4
- (B) a^5
- (C) a^6
- (D) a^8

Q38. The value of $(-1)^{147}$ is

- (A) -1
- (B) 1
- (C) 0
- (D) None of these

Q39. The multiplicative inverse of -7 is _____

- (A) 7
- (B) $1/7$
- (C) -7
- (D) $-1/7$

Q40. The sum of $0 + (-3/7)^2$

- (A) 0
- (B) $3/7$
- (C) $9/49$
- (D) $-9/49$

Subject: Science

Q41. Hearing aids are devices which help people who-

- (A) Have some hearing loss
- (B) Cannot hear at all
- (C) Are physically very weak
- (D) Cannot speak

Q42. The coil of a heater becomes red hot when it is plugged into an electrical socket and is switched on. What supplies heat to the coil?

- (A) Socket
- (B) Electricity
- (C) Wires
- (D) Switch

Q43. Which among the following is the modern system of irrigation?

- (A) Moat
- (B) Chain system
- (C) Pulley system/Dhekli
- (D) Drip irrigation

Q44. Light travelling in the air falls on the surface of an opaque object, which is smooth. There will be-

- (A) Reflection but no refraction
- (B) Refraction but no reflection
- (C) Both reflection and refraction
- (D) Neither reflection nor refraction

Q45. Which gas is produced during the reaction of vinegar and baking soda?

- (A) Carbon dioxide
- (B) Oxygen
- (C) Nitrogen
- (D) Hydrogen

Q46. Offshore drilling to extract crude oil is done-

- (A) On a mountain
- (B) On the shore of a sea
- (C) On the shore of a river
- (D) Inside a sea

Q47. Which is the longest part of the digestive system in humans?

- (A) Oesophagus
- (B) Large intestine
- (C) Bile duct
- (D) Small intestine

Q48. Which process leads to cooling?

- (A) Boiling
- (B) Evaporation
- (C) Sublimation
- (D) Condensation

Q49. The odometer of a vehicle-

- (A) Measures the distance travelled by it.
- (B) Measures its speed
- (C) Plays songs
- (D) Shows the route map

Q50. Blood is red in colour due to the presence of-

- (A) Plasma
- (B) Haemoglobin
- (C) Platelets
- (D) Neurons

Q51. Which of the following represents the three materials in increasing order of the force of attraction between molecules?

- (A) Oxygen, chalk, water
- (B) Water, chalk, oxygen
- (C) Oxygen, water, chalk
- (D) Chalk, oxygen, water

Q52. Chemical used for disinfecting water during waste water treatment is-

- (A) Fluorine
- (B) Chlorine
- (C) Ozone
- (D) Both B and C

Q53. Which of the following is not a producer?

- (A) Grass
- (B) Shrub
- (C) Mushroom
- (D) Herb

Q54. A virtual image-

- (A) Can be only seen
- (B) Cannot be seen
- (C) Can be formed on a screen
- (D) Can be touched

Q55. The device used to prevent the flow of excess current in a circuit is-

- (A) Fuse
- (B) Bulb
- (C) Switch
- (D) Wire

Q56. As speed of the air in a region increases, its pressure-

- (A) Increases
- (B) Decreases
- (C) First increases and then decreases
- (D) Remains constant

Q57. Which of the following does not work on the heating effect of electric current?

- (A) Electric toaster
- (B) Electric immersion rod
- (C) Electric fan
- (D) Electric iron

Q58. The slope of the distance-time graph gives-

- (A) Distance
- (B) Time
- (C) Speed
- (D) Both A and B

Q59. Which of the following reproduces by spore formation?

- (A) Bread mould
- (B) Hydra
- (C) Yeast
- (D) Spirogyra

Q60. The human heart is-

- (A) Two chambered
- (B) Three chambered
- (C) Four chambered
- (D) Five chambered

Q61. During inhalation, the muscles of the diaphragm-

- (A) Contract and become flat
- (B) Expand and become flat
- (C) Contract and become dome shaped
- (D) Expand and become dome shaped

Q62. Climate is-

- (A) Weather pattern over several years
- (B) Daily changes
- (C) Condition of atmosphere on a certain day
- (D) Condition of atmosphere on a certain year

Q63. Which component of food is digested in the mouth in man?

- (A) Protein
- (B) Vitamins
- (C) Fats
- (D) Carbohydrates

Q64. The raw materials for the photosynthesis are-

- (A) Carbon dioxide and water
- (B) Carbon dioxide and sunlight
- (C) Water and chlorophyll
- (D) Water and sunlight

Q65. Which of the following organism respire through spiracles?

- (A) Cockroach
- (B) Frog
- (C) Fish
- (D) Leech

Subject: English

Q66. Choose the correct synonym for "vigilant":

- (A) Distracted
- (B) Divert
- (C) Alert
- (D) Slack

Q67. Which of the following is an example of a possessive pronoun?

- (A) You
- (B) Me
- (C) Them
- (D) Her

Q68. Choose the correct antonym for "Grotesque":

- (A) Twisted
- (B) Mangled
- (C) Attractive
- (D) Distorted

Q69. Identify the sentence with proper subject-verb agreement:

- (A) He as well as I am guilty.
- (B) He as well as I is guilty
- (C) He as well as I are guilty.
- (D) None of the above

Q70. Choose the correct meaning of the idiom:

‘On cloud nine ‘means:

- (A) to sleep early
- (B) to be very busy
- (C) to be extremely happy
- (D) to repent

Q71. Choose the part of the sentence that has an error:

It cannot be done by nobody.

- (A) It cannot
- (B) be done
- (C) by
- (D) nobody

Q72. Choose the correct option to fill in the blank:

Please.....the music. The sound is getting on my nerves.

- (A) turn into
- (B) turn off
- (C) turn over
- (D) turn up

Q73. Ram had _____ finished his homework when he received a call from his sister.

- (A) never
- (B) often
- (C) almost
- (D) too

Q74. Choose the type of the underlined verb.

The boy threw a beautiful painting of his grandmother.

- (A) Intransitive verb .0Regular verb
- (C) Irregular verb
- (D) Linking verb

Q75. Choose the correct one word substitution

Murder of a brother –

- (A) Patricide
- (B) Regicide
- (C) Homicide
- (D) Fratricide

Q76. Find out the correctly spelt word:

- (A) Guarantee
- (B) Guarrantee
- (C) Garuntee
- (D) Guaruntee

Q77. Which of the following is the correct indirect speech for -He said to me, "What are you doing?"

- (A) He said to me that what he was doing
- (B) He said to me that what I was doing.
- (C) He asked me what he was doing.
- (D) He asked me what I was doing.

Q78. Identify the type of sentence: "How could you do this?"

- (A) Declarative
- (B) Exclamatory
- (C) Imperative
- (D) Interrogative

Q79. Choose the correct conjunction to complete the sentence: "Make hay the sun shines.

- (A) and
- (B) when
- (C) while
- (D) who

Q80. What is the Superlative form of "little" is:

- (A) less
- (B) lesser
- (C) least
- (D) none

Q81 Fill in the blank with Suitable Preposition:

Shyam is Ignorant.....his Mistake.

- (A) of
- (B) to
- (C) for
- (D) at

Q82. Identify the tense of the sentence: "My Uncle is arriving tomorrow."

- (A) Present Perfect Continuous
- (B) Present Continuous
- (C) Past Continuous
- (D) Simple Present

Q83. Which of the following is an example of a Hyperbole

- (A) Open secret
- (B) As brave as a lion
- (C) The night is dark
- (D) Ten thousand I saw at a glance

Q84. Choose the sentence with the correct punctuation:

- (A) The ganga rises from Himalayas.
- (B) The Ganga rises from the Himalayas.
- (C) The ganga rises from the Himalayas.
- (D) The Ganga rises from the Himalayas.

Q85. Which of the following is an example of an exclamation?

- (A) Oh no!
- (B) I am so tired.
- (C) Can you help me?
- (D) He is coming home.

Q86. The plural form of 'handful' is –

- (A) handfulss
- (B) handfuls
- (C) handsfull
- (D) handsfulls

Q87. Identify the type of adverb in the following sentence.

Ram rarely goes to the bazaar:

- (A) Relative Adverb
- (B) Adverb of Time
- (C) Adverb of Frequency
- (D) Adverb of Manner

Q88. Change the Voice.

Someone has picked my pocket.

- (A) My pocket was picked
- (B) My pocket was picked by someone
- (C) My pocket has been picked
- (D) My pocket has been picked

Q89. Choose the option with correct spelling:

- (A) Lieutenant
- (B) Leftenant
- (C) Lifitinant
- (D) Lietnant

Q90. What is the indirect object in the sentence: "She gave me the keys to her car."?

- (A) She
- (B) me
- (C) keys
- (D) car

Subject: Hindi

उचित विकल्प का चयन करें-

Q91. शब्दालंकार के भेद हैं-

- (A) अनुप्रास, यमक
- (B) अनुप्रास, यमक, श्लेष
- (C) (A) और (B) दोनों
- (D) कोई नहीं

Q92. 'अवसान' में उपसर्ग है-

- (A) आव
- (B) अव
- (C) (A) और (B) दोनों
- (D) कोई नहीं

Q93. 'कीर्तिमान' में प्रत्यय है-

- (A) मन
- (B) मान
- (C) (A) और (B) दोनों
- (D) कोई नहीं

94Q नीलकमल 'में समास है-

- (A) कर्मधारय
- (B) तत्पुरुष
- (C) (A) और (B) दोनों
- (D) कोई नहीं

Q95. तोता-मैना 'में समास है-

- (A) कर्मधारय
- (B) द्विगु
- (C) (A) और (B) दोनों
- (D) कोई नहीं

Q96 'साप्ताहिक' विशेषण है -

- (A) साप्ताह
- (B) साप्ताहि
- (C) (A) और (B) दोनों
- (D) कोई नहीं

Q97 ' ऐतिहासिक 'विशेषण है -

- (A) ऐतिहासिक
- (B) इतिहास
- (C) (A) और (B) दोनों
- (D) कोई नहीं

Q98 'जल में रहने वाला 'के लिए एक शब्द है—

- (A) जलचर
- (B) चर
- (C) (A) और (B) दोनों
- (D) कोई नहीं

Q99 ' चाँद सा चेहरा 'में अलंकार है-

- (A) रूपक
- (B) उपमा
- (C) (A) और (B) दोनों
- (D) कोई नहीं

100 सुवरन को खोजत फिरत ,कवि ,व्यभिचारी ,चोर 'में अलंकार है -

- (A) रूपक
- (B) उपमा
- (C) (A) और (B) दोनों
- (D) कोई नहीं