Sample Question Paper

Class VIII

Total questions 51   **Time: 1 hour**

_____

Section A - Logical Reasoning

Question 1. Sam likes to change words in the dictionary. If he calls trains the bus, the bus is called a tractor, the tractor is called a car, the car is called a scooter, the scooter is called a bicycle, and the bicycle is called a moped. Which is used to plough the field?

Option A: Train

Option B: Bus

Option C: Tractor

Option D: Car

Question 2. Jay is facing south. He walks 25 m toward his right and then 100 m toward his left. At last, he turns to the left and walks 25 m. In which direction is he facing right now?

Option A: South

Option B: North

Option C: East

Option D: West

Question 3. Find the wrong number in the series.

6, 8, 13, 21, 32, 52

Option A: 6

Option B: 13

Option C: 21

Option D: 30

Question 4. If '÷' is written as '+', '+' is written as '−', '−' is written as '×' and '×' is written as '÷', then 14×7÷4+6×3-2= ?

Option A: 3

Option B: 4

Option C: 5

Option D: 2

Question 5. Select the best alternative for the given pairs.

ACEG: DFHJ : : QSUW : ?

Option A: KMNP

Option B: MNPR

Option C: TQST

Option D: TVXZ

Question 6. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?

Option A: Grandmother

Option B: Grandfather

Option C: Daughter

Option D: Granddaughter

Question 7. Monday falls on 4th April 1998. What was the day of 3rd November 1987?

Option A: Monday

Option B: Tuesday

Option C: Sunday

Option D: Wednesday

Question 8. 22 pumps can empty a water tank in 36 hours. How many hours are needed by 60 pumps to do the same work?
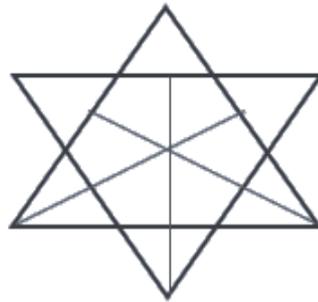
Option A: 13.2

Option B: 14.4

Option C: 20

Option D: 24

Question 9. Find the total number of triangles in the given figure below.

Option A: 27

Option B: 20

Option C: 29

Option D: 19

Question 10. If 2 is subtracted from the last digits and 2 is added to the first digit to all the numbers given below then what will be the sum of digits of the second highest number formed?

365, 567, 769, 426, 234,

Option A: 14

Option B: 18

Option C: 12

Option D: 10

Section B - Mathematical Reasoning

Question 11. How many cubes of side 3cm can be packed in a cubical box whose side is double the side of the given cube?

Option A: 8

Option B: 6

Option C: 10

Option D: 15

Question 12. What will be the circumference of the circle whose area is equal to 616 cm^2?

Option A: 77cm

Option B: 55cm

Option C: 88cm

Option D: 33cm

Question 13. One-fifth of the students of a class joined the sports. One-fourth of these students opted to play volleyball. If 5 students play volleyball, then how many students are there in the class?

Option A: 60

Option B: 100

Option C: 50

Option D: 80

Question 14. Complete the sentence.

There are _____ non-perfect square numbers between 25^2 and 26^2.

Option A: 50

Option B: 51

Option C: 49

Option D: 52

Question 15. Simplify the algebraic fraction.

$$\frac{(16a+8b+4c)(4a+2b+1c)}{4(4a+2b+1c)}$$

Option A: (4a+2b+1c)

Option B: (8a+4b+2c)

Option C: (16a+8b+4c)

Option D: (2a+b+c)

Question 16. The value of $\frac{8^{-2}\times 10^2}{2^{-12}}$ is _____.

Option A: 1,000

Option B: 6,400

Option C: 5,000

Option D: 16,400

Question 17. Find the value of $\frac{3}{x}$ if $\sqrt[3]{729} = \sqrt[2]{9(x)^2}$.

Option A: 3

Option B: 2

Option C: 0

Option D: 1

Question 18. What are the factors of cx + dy + dx + cz + cy + dz?

Option A: (cx + dy)(dx + cy)

Option B: (c + d)(2x + 2y + 2z)

Option C: (c + d)(x + y + z)

Option D: (x + y − z)(c − d)

Question 19. What is the bigger number, when one number is 5 times the other, their sum is 360?

Option A: 60

Option B: 120

Option C: 300

Option D: 360

Question 20. Complete the given statements by choosing the correct options.

(i) If 21% of x = 510, then x is equal to …………

(ii) The simple interest at the rate of x%, for x years, on a sum of INR 20, INR …………

(iii) 17:34 is expressed as ………%.

(iv) The marked price of a bottle is 800. If it is sold at a discount of 12%, then its selling price is INR ……………….

	(i)	(ii)	(iii)	(iv)
Option A:	2,130.2	$\dfrac{x}{5}$	49	698
Option B:	2,428.5	$\dfrac{x^2}{5}$	50	704
Option C:	2,000.9	$\dfrac{x^3}{10}$	32	640
Option D:	1,928.1	$\dfrac{x^2}{10}$	48	714

Question 21. What is the ratio of the area of two parallelograms? If they both are on equal bases and between the same parallels.

Option A: 2: 4

Option B: 1: 2

Option C: 1: 1

Option D: 1: 3

Question 22. Choose the correct statement from the given options.

Statement 1: When -15 is divided by 25 then the quotient is 5.
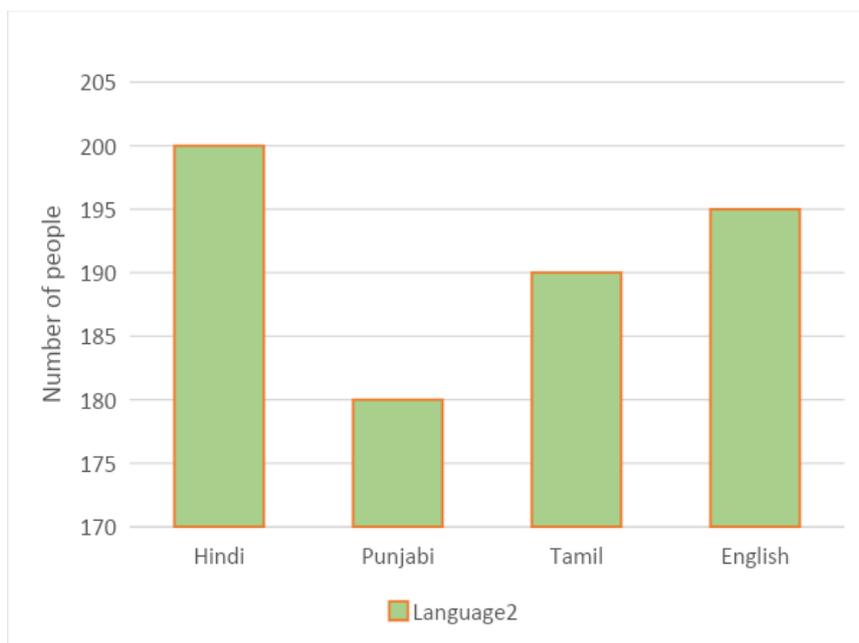
Statement 2: If 32n-1=127 then, n = -1.

Option A: Only statement 1 is correct.

Option B: Only statement 2 is correct.

Option C: Both are correct.

Option D: Both are false

Question 23. The given bar graph shows the language spoken by the number of people in a state.

Find the total number of people who do not speak Hindi and Punjabi.

Option A: 450

Option B: 385

Option C: 285

Option D: 380

Question 24. Which of the following is also known as the Triangular pyramid?

Option A: Prism

Option B: Rectangle

Option C: Tetrahedron

Option D: Cube

Question 25. Find the area of the circulating ring if the radii of two concentric circles are 9cm and 5cm.

Option A: $176cm^2$

Option B: $167cm^2$

Option C: $166cm^2$

Option D: $177cm^2$

Section C - Science

Question 26. Which part of the female reproductive system produces estrogen?

Option A: Ovaries

Option B: Oviduct

Option C: Uterus

Option D: Vagina

Question 27. Which of the following is not an application of the chemical effect of electric current?

Option A: Purification and production of certain metals.

Option B: Purifying impure samples of metal using electric current.

Option C: Deflection of the compass needle.

Option D: Decomposition of chemical compound.

Question 28. Choose the correct option.

Assertion (A)**:** The appearance of cuboidal cells is the same as the cube cells

Reason (R): kidney tubules are lined in it with the nucleus at the centre

Option A: only A is correct

Option B: only R is correct

Option C: Both A and R are correct and R is the correct explanation of A

Option D: Both A and R are correct and R is not the correct explanation of A

Question 29. Cytosome, food vacuole, oral groove, and water vacuole are parts of which animal kingdom?

Option A: Monera

Option B: Paramecium

Option C: Protista

Option D: Fungi

Question 30. Which among the following is the correct statement?

    a) Electric Power is measured in kilowatt-hour

    b) Electric Power is measured in Watts

    c) 1 kWh = 3,600,000 J

    d) 1 kWh = 3,600 J

Option A: (a) and(c)

Option B: (b) and (c)

Option C: (b) and (d)

Option D: (a), (b), and (c)

Question 31. Which among the following is the cells from the human body?

Option A: nerve cell

Option B: bone cell

Option C: human sperm

Option D: all of the above

Question 32. Match the following:

Effect of force	Action
a. Changing State of motion.	1. Kicking a rolling ball.
b. Changing the direction of motion.	2. Rolling dough for pastry.
c. Changing the shape of the object. car.	3. Applying brakes on a moving

Option A: a) – 1, b) – 2, c) – 3

Option B: a) – 3, b) – 1, c) – 2

Option C: a) – 1, b) – 3, c) – 2

Option D: a) – 3, b) – 2, c) – 1

Question 33. Select the instruments that make multiple images:

1. Microscope

2. Kaleidoscope

3. Telescope

4. Periscope

Option A: Only 2.

Option B: Only 2 and 4.

Option C: Only 1 and 2.

Option D: Only 2,3 and 4.

Question 34. What is the name of the defect of the eye in which the eye lens becomes opaque?

Option A: Night blindness

Option B: Hypermetropia

Option C: Myopia

Option D: Cataract

Question 35. In order to increase the strength of an electromagnet. What should be done?

Option A: Reverse the direction of current

Option B: Decrease the current flowing through the coil

Option C: Increase the number of turns of wire in the coil

Option D: Removing the iron core

Question 36. AL_2O_3 is amphoteric in nature. Why?

Option A: Because it is acidic in nature

Option B: Because it is basic in nature

Option C: Because it exhibits the properties of both metals and non-metals

Option D: Because it exhibits the properties of either metals or non-metals

Question 37. Steel utensils kept in the kitchen if not used for years, get rusted. What would be done by the housewife to prevent it from rusting?

Option A: applying a coating of zinc

Option B: applying oil on the utensils

Option C: applying a powder coating

Option D: all of the above

Question 38. Asteroids are found between the orbits of which planets?

Option A: Venus and Earth

Option B: Mars and comets

Option C: Mars and Jupiter

Option D: Jupiter and Saturn

Question 39. Which of these forms of water is the purest form?

Option A: Rainwater

Option B: Melted snow

Option C: River water

Option D: Unfiltered tap water

Question 40. Assertion: Trucks have chains dangling at the rear end that is slightly conducting.

Reason: when we connect a conductor to the ground, the extra charge flows into the earth.

Option A: Both the assertion and reason are correct and reason correctly explains the assertion.

Option B: the assertion is correct but the reason is incorrect.

Option C: the assertion is not correct but the reason is correct.

Option D: Both the assertion and reason are correct but reason does not correctly explain the assertion.

Section D – English

Question 41. ____ Night Is peaceful. Let us go and take a walk.

Option A: A

Option B: The

Option C: An

Option D: No article

Question 42. Distance _____ the heart grow fonder.

Option A: makes

Option B: does

Option C: comes

Option D: finds

Question 43. Identify the nouns in the given sentence:

'If we continue to use natural resources carelessly, we will cause serious damage to the environment.'

Option A: resources

Option B: damage

Option C: environment

Option D: all of these

Question 44. Select the word opposite in meaning to the given word: 'flimsy'

Option A: easy

Option B: sturdy

Option C: weak

Option D: fragile

Question 45. Many species _____ in the past ten years, while some are in the danger of extinction.

Option A: Had disappeared

Option B: Have disappeared

Option C: Are disappearing

Option D: Get disappeared

Question 46. Choose the correct option to complete the conversation:

James: A survey has suggested that wealthier people are happier.

Jannie: _____

James: Right. Once basic needs are met, each extra rupee hardly makes a difference.

Option A: The relation between money and satisfaction is complicated.

Option B: Nowadays, people seem richer but not happier.

Option C: Money can buy a certain level of happiness.

Option D: Money assures a specific standard of living.

Question 47. Change in reported speech:

Rekha cried 'Oh, what a sad ending!'

Option A: Rekha exclaimed miserably that it was a sad story.

Option B: Rekha cried sadly that it was a sad story.

Option C: Rekha exclaimed surprisingly.

Option D: Rekha cried badly that it was a very sad story.

Question 48. Flour is related to corn in the same way as wine is related to

Option A: pineapple

Option B: beer

Option C: grapes

Option D: water

Question 49. Fill in the blanks with the proper homonyms:

If _____ waiting on your grandfather to buy _____ old bike,_____ going to have to wait a long time.

Option A: your/your/your

Option B: you're/you're/you're

Option C: you're/your/you're

Option D: your/you're/your

Question 50. Choose the correct option and rearrange the following words or phrases to make meaningful sentences.

The team/ at once/ ordered/ you/ to leave/are

Option A: The team at once ordered you are to leave.

Option B: The team are ordered at once you to leave.

Option C: At one you are ordered to leave the team.

Option D: You are ordered to leave the team at once.

Section E - Emotional Quotient

Question 51. You have always performed the best in your favourite sport during the practice match. On the day of the final event, you did not score the best. Also, you lose the match. Tell us about how/ what you will be doing under the given situation?

_____
_____
_____
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