



SAMPLE PAPER

Based on Class 6 Syllabus

Time Allowed : 3 hrs

Maximum Marks : 100

Mathematics

Q1. One Km is how many centimetres?

- (a) 100000 (b) 10000 (c) 1000 (d) 100

Answer - a

Q2. Population of a town in the year 2000 was 2,00,000. In the year 2005, it increased by 10,359. What was the population of the town in 2005?

- (a) 2,20,359 (b) 2,10,000 (c) 2,10,359 (d) 20,359

Answer - c

Q3. A machine, on an average, manufactures 2,825 screws a day. How many screws did it manufacture in the month of January, assuming all days were working days?

- (a) 84,750 (b) 87,575 (c) 81,925 (d) 79,100

Answer - b

Q4. Which of the following is the Roman numeral for 69

- (a) LXXI (b) LXIX (c) CXIX (d) CXXI

Answer - b

Q5. Which is the predecessor of 2,08,090?

- (a) 2,08,089 (b) 2,08,091 (c) 2,18,090 (d) 1,98,090

Answer - a

Q6. Which of the following is the additive identity in the set of Whole numbers?

- (a) 1 (b) zero (c) -- 1 (d) any number

Answer - b

Q7. The school canteen charges Rs. 20 for lunch & Rs. 5 for milk each day. How much money will be charged in 5 days on these things?

- (a) Rs. 125 (b) Rs. 25 (c) Rs. 75 (d) Rs. 100

Answer - a

Q8. Which of the following is the factor of every number?

- (a) -- 1 (b) zero (c) 1 (d) any number

Answer - c

Q9. How many prime numbers are there between 1 & 20?

- (a) 7 (b) 8 (c) 9 (d) 10

Answer - b

Q10. Which of the following is the HCF of the numbers 20, 28 & 36?

- (a) 20 (b) 36 (c) 4 (d) 5

Answer - c

Q11. How many lines can pass through two given points?

- (a) 1 (b) 2 (c) 3 (d) Infinite

Answer - a

Q12. How many vertices are there in a hexagon?

- (a) 5 (b) 6 (c) 7 (d) 8

Answer - b

Q13. What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from 3 to 9?

- (a) $\frac{1}{2}$ (b) $\frac{1}{3}$ (c) $\frac{1}{4}$ (d) $\frac{1}{5}$

Answer - a

Q14. What is the measure of a straight angle?

- (a) 750 (b) 90° (c) 180° (d) 360°

Answer - c

Q15. Which of the following is the simplest form of $(-8) + (-7) - (-2)$

- (a) -17 (b) 13 (c) -13 (d) 17

Answer - c

Q16. What is the value of $50 - (-40) - (-2)$

- (a) -12 (b) 8 (c) 92 (d) 88

Answer - c

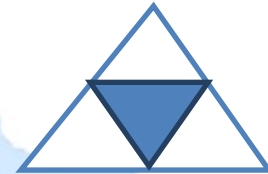
Q17. What fraction of the numbers from 2 to 12 is prime numbers?

- (a) $\frac{1}{11}$ (b) $\frac{10}{11}$ (c) $\frac{5}{11}$ (d) $\frac{6}{11}$

Answer - c

Q18. What fraction of the given figure is shaded?

- (a) $\frac{1}{2}$ (b) $\frac{1}{3}$ (c) $\frac{1}{4}$ (d) $\frac{2}{3}$



Answer - c

Q19. Which of the following is the equivalent fraction for $\frac{2}{3}$ with denominator 18?

- (a) $\frac{9}{18}$ (b) $\frac{10}{18}$ (c) $\frac{11}{18}$ (d) $\frac{12}{18}$

Answer - d

Q20. Which of the following is the decimal form of $\frac{12}{5}$?

- (a) 0.24 (b) 2.4 (c) 1.4 (d) 2.04

Answer - b

Q21. Which of the following is the corresponding fraction for 3.8?

- (a) $\frac{19}{5}$ (b) $\frac{19}{10}$ (c) $\frac{38}{5}$ (d) $\frac{380}{5}$

Answer - a

Q22. The length & breadth of a rectangular field are 25m & 10m respectively. What is its perimeter?

- (a) 250m (b) 35m (c) 70m (d) 5m

Answer - c

Q23. Ram's bank balance is Rs.500 more than 3 times his friend's bank balance. If his friend's bank balance is 'y', what is Ram's bank balance.

- (a) $y+500$ (b) $3y + 500$ (c) $3y$ (d) $3y - 500$

Answer - b

Q24. Which of the following is the equivalent ratio of 6:4?

- (a) 3:2 (b) 6:8 (c) 12:4 (d) 1:1

Answer - a

Q25. There are 100 teachers in a school for 3000 students. Which of the following is the teacher student ratio?

- (a) 3:100 (b) 1:1 (c) 30:1 (d) 1:30

Answer - d

Science

Q26. The major nutrient in sugar is

- (a) Fats (b) Carbohydrates (c) Proteins (d) Vitamins and minerals

Answer - b

Q27. Some nutrients get lost in the process of cooking and preparations. If the vegetables and fruits are washed after cutting or peeling them, it may result in the loss of some

- (a) Starch (b) Carbohydrates (c) Proteins (d) Vitamins

Answer - d

Q28. The fibres of some fabrics such as cotton, jute, silk and wool are obtained from plants and animals. These are called

- (a) Natural fibres (b) Artificial fibres (c) Rayon fibre (d) Nylon fibre

Answer - a

Q29. _____ is an irreversible change.

(a) Burning of coal (b) Melting of wax (c) Melting of ice (d) Formation of ice

Answer - a

Q30. Materials that cannot be compressed easily are called _____ materials.

(a) Soft (b) Rough (c) Scaly (d) Hard

Answer - d

Q31. Take two samples, one of oil and the other of water. Mix the two. You will observe that

(a) They are soluble (b) Oil floats on water
(c) Water floats on oil (d) none of the above

Answer - b

Q32. The technique that separates a liquid from an insoluble solid by carefully pouring off the liquid is called ____.

(a) Evaporation (b) Decantation (c) Filtration (d) Distillation

Answer - b

Q33. In the sea, plants and animals are surrounded by:

(a) Sweet water (b) Saline water (c) Hot water (d) Cold water

Answer - b

Q34. Suppose you accidentally step on a drawing pin you would jump up quickly. The jumping action is called ____.

(a) Response (b) paining reaction (c) quick reaction (d) stimulus

Answer - a

Q35. Which of the following metabolic activity is responsible for replacing and repairing tissues?

(a) Reproduction (b) Cell division (c) Digestion (d) Growth

Answer - b

Q36. Water comes out of leaves in the form of vapour by a process called:

(a) Photosynthesis (b) Respiration (c) Transpiration (d) Stomata

Answer - c

Q37. Which among the following is a modified stem:

- (a) Carrot (b) Radish (c) Potato (d) Turnip

Answer - c

Q38. The ribs join the chest bone and the back bone to form a box called the _____

- (a) Rib cage (b) Cervical region (c) Backbone (d) Knee

Answer - a

Q39. The rounded end of one bone fits into the **cavity** (hollow space) of the other bone. Such a joint allows movements in all directions. Such a joint is called _____.

- (a) Ball and socket joint (b) Pivotal joint (c) Hinge joint (d) fixed joint

Answer - a

Q40. The skeleton is made of bones and _____.

- (a) Muscles (b) Cartilages (c) Skin (d) Blood

Answer - b

Q41. Which of the following is not a unit of distance:

- (a) Metre (b) Feet (c) Kilogram (d) Kilometre

Answer - c

Q42. Which of the following does not involve a combination of motion :

- (a) Earth (b) Bike (c) Pendulum (d) Rolling Ball

Answer - c

Q43. Objects which emit light of their own are called _____.

- (a) Luminous objects (b) non-luminous objects (c) opaque objects (d) transparent objects

Answer - a

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Q44. An inverted image is the characteristic of a _____.

- (a) Shadow (b) pin hole camera (c) reflected image (d) laterally inverted image

Answer - b

Q45. Which of the following pairs consists of both a conductor and an insulator of electricity ?

- (a) Wood and wool (b) Copper and steel (c) Silver and gold (d) Silver and rubber

Answer - d

Q46. Electrical wires and parts of electrical appliances are covered with _____.

- (a) Silver (b) Gold (c) Plastic (d) Copper

Answer - c

Q47. The North Pole of the earth's magnet is near the geographical _____.

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

Answer - d

Q48. Most of the rain water goes into

- (a) Lakes and ponds (b) Transpiration and evaporation
(c) The ground water (d) Rivers and sea

Answer - c

Q49. The circulation of water between ocean and land is a continuous process known as

- (a) Transpiration (b) Evaporation (c) Raining (d) Water cycle

Answer - d

Q50. Fog appearing on a cold winter morning on a blackboard dries up after wiping. This is due to:

- (a) Evaporation and condensation respectively (b) Condensation and evaporation respectively
(c) Neither Evaporation nor condensation (d) Both Evaporation and condensation

Answer - b

General Knowledge

Q 51. Which city is known as City of Joy ?

- a) New Delhi b) Chennai c) Pune d) Kolkatta

Answer –d

Q 52. What is the new name for Pondicherry?

- a) Peddicherry b) Perambur c) Puducherry d) Pallavacherry

Answer-c

Q 53. Aukland is situated in which country?

- a) Australia b) New Zealand c) Brazil d) Germany

Answer-b

Q 54. Anaemia is caused by the deficiency of _____ .

- a) Iron b) Calcium c) Manganese d) Potassium

Answer-a

Q 55. 3G is a term associated with what device?

- a) FM radio receiver b) Telephone c) Satellite TV d) Mobile Phones

Answer-d

Q 56. Who was Mirza Ghalib?

- a) A Writer b) A Poet c) An Architect d) A King

Answer-b

Q 57. In which state is Somnath Temple located?

- a) Maharashtra b) Bihar c) Gujarat d) Uttar Pradesh

Answer-c

Q 58. With which sport is Vishwanathan Anand associated?

- a) Billiards b) Badminton c) Chess d) Cricket

Answer-c

Q 59. The Harry Potter Series of books has been written by which author?

- a) Enid Blyton b) Agatha Christie c) J.K. Rowling d) J. R. R. Tolkien

Answer-c

Q60.The Famous Five series of books were created by which author?

- a) Lois Lowry b) Lewis Carrol c) Agatha Christie d) Enid Blyton

Answer-d

Q61.Arundhati Roy is a _____.

- a) Actress b) Minister c) Writer d) Sports woman

Answer – c

Q 62.Who has scored the maximum number of centuries in Test Cricket?

- a) Rahul Dravid b) Ricky Ponting c) Don Bradman d) Sachin Tendulkar

Answer-d

Q 63. In which country is the Corbett National Park Located?

- a) South Africa b) India c) USA d) Kenya

Answer-b

Q 64.Which is the highest mountain peak in the world?

- a) Mt Kanchenjunga b) Mt Titlis c) Mt Everest d) Mt Elbrus

Answer-c

Q 65.Who was Kalpana Chawla?

- a) An actress b) An Astronaut c) An Author d) An Air Hostess

Answer-b

Q 66.Who said “Give me blood,I will give you freedom” ?

- a) Jawaharlal Nehru b) Subhas Chandra Bose c) Rani Laxmi Bai d) Mangal Pande

Answer-b

Q 67.Who was the first President of India?

- a) C.Rajagopalchari b) Jawaharlal Nehru c) Dr Rajendra Prasad d) Dr. Sarvepalli Radhakrishnan

Answer-c

Q 68.Who was the Chief Guest at the 2015 Republic Day parade in New Delhi.

- a) David Cameron b) Barack Obama c) Angela Merkel d) Shinzō Abe

Answer – b

Q 69. Which of the following movies is not based on sports.

- a) Chak De India b) Lagaan c) Bend it like Beckham d) Taken

Answer –d

Q 70 .The Amazon River flows through which of these countries .

- a) China b) Tanzania c) USA d) Brazil

Answer-d

Q 71. How many years have passed since Mickey Mouse was created ?

- a) More than 100 years b) More than 90 years c) More than 85 years d) More than 95 years.

Answer - c

Q 72. Which is the fastest bird that can fly ?

- a) Peregrine Falcon b) Sparrow c) Humming Bird d) Eagle

Answer-a

Q 73. Pele is associated with which sport ?

- a) Athletics b) Football c) Cricket d) Tennis

Answer-b

Q 74. Who was Vincent Van Gogh ?

- a) A Pianist b) A Writer c) A Mathematician d) A Painter

Answer-d

Q 75. Which medal did Saina Nehwal win at the 2012 Olympic Games ?

- a) Gold b) Silver c) Bronze d) No Medal

Answer-c

Mental Ability

Jumbled Letters

You are required to find the correct word from the jumbled letters with the help of the clues given. For example, POTATO is a kind of vegetable.

The jumbled letters given are (a) OTPORA (b) STMAPEP (c) TOPAOT (d) KPNRAM

The right answer is C. These jumbled letters in the right sequence would be POTATO.

Q 76. A type of Fruit.

- (a) GESTRM (b) ARNOGE (c) PTZROM (d) BCRT

Answer : b – ORANGE

Q 77. You go to watch a movie here.

- (a) MATROP (b) CEPMANT (c) MECANI LHLA (e) FRMT KLMNT

Answer : c – CINEMA HALL

Q 78. A world famous monument in India.

- (a) RASMT (b) STRAM TRCD (c) JHM ATLAA (d) AZTFNA

Answer : c – TAJ MAHAL

Q 79. The month after the first month.

- (a) HARCM (b) AEBUFRYR (c) ZYRMNA (d) BCANTK

Answer : b – FEBRUARY

Q 80. A measure of Time.

- (a) RBSTANA (b) TISKLE (c) ASKMTN (d) EUTIMN

Answer : d – MINUTE

Find the odd one out

For example :

Which is the odd one out.

- (a) 22D (b) 11B (c) 33G (d) 44H

Answer : c – 33G

Sum of the first two numbers is the position of the letter adjacent to it.

- (a) $2+2 = 4 \rightarrow$ D is the 4th letter in the alphabet (i.e. A,B,C,D)

- (b) $1+1 = 2 \rightarrow$ B is the 2nd letter
- (c) $3+3 = 6 \rightarrow$ G is not the 6th letter, it is the 7th letter, hence it is the odd one out.
- (d) $4+4 = 8 \rightarrow$ H is the 8th letter

Q 81. Identify the one which is different from the others.

- (a) CB (b) HG (c) RS (d) ZY

Answer : c – RS

The first letter is after the second letter in all except (c)

Q 82. Identify the one which is different from the others.

- (a) 3456 (b) 4567 (c) 4579 (d) 1234

Answer : c – 4579

All others are in order except (c)

Q 83. Find the odd one out.

- (a) 46 (b) 37 (c) 28 (d) 75

Answer : d – 75

The sum of both number is 10 in all cases except (d)

Q 84. Which is different ?

- (a) Kenya (b) Africa (c) South Africa (d) Zimbabwe

Answer : b – Africa

Africa is a continent, others are all countries.

Q 85. Which number is the odd one out.

- (a) 32 (b) 72 (c) 24 (d) 48

Answer : a – 32

Only number not divisible by 3

Matching Pairs

Q 86. Find the Matching Pair.

24 is to 48 as 42 is to _____.

- (a) 38 (b) 68 (c) 32 (d) 84

Answer : d – 84

The second number is double that of the first

Q 87. Find the matching pair.

CAT is to TAC as BAT is to _____.

- (a) ATC (b) TAB (c) MAT (d) CAR

Answer : b – TAB

The letters are written in reverse order.

Q 88. Find the matching pair.

Mumbai is to Maharashtra as Chennai is to _____.

- (a) Karnataka (b) Andhra Pradesh (c) Kerala (d) Tamil Nadu

Answer : d – Tamil Nadu

Chennai is capital of Tamil Nadu as Mumbai is capital of Maharashtra.

Q 89. Find the matching pair.

13 is to 19 as _____ is to 31.

- (a) 23 (b) 25 (c) 26 (d) 21

Answer : a - 23

All are Prime numbers.

Q 90. Find the Matching Pair.

2B is to 4D as J10 is to _____.

- (a) K12 (b) F4 (c) G5 (d) L12

Answer : d – L12

The number depicts the alphabet number

Using Letters for Numbers

For example :

If A = 1, B=5, D=3.

Then A+B-D = ?

- (a) C (b) B (c) M (d) M

Answer : d : D

$1+5-3=3$, and 3 is D

Q 91. If P=2, Q=3, R=5, S=7 and T=12.

Then R+S = ?

- (a) R (b) T (c) Q (d) Z

Answer : b : T

$R + S = 5 + 7 = 12$ i.e. T

Q 92. If P=9, Q = 81, R = 27, S = 3 and T = 18

Then $R \div S \times P = ?$

- (a) M (b) K (c) Q (d) P

Answer : c : Q

$$27 \div 3 \times 9 = 9 \times 9 = 81 \text{ i.e. Q}$$

Q 93. If $A=5, D=7, E=6, N=4, P=8$

Then $A+E-D = ?$

- (a) P (b) N (c) E (d) A

Answer : b : N

$$5 + 6 - 7 = 4 \text{ i.e. N}$$

Q 94. If $K=4, D=6, M=2, G=17, R=7$

Then $D \times K - R = ?$

- (a) D (b) B (c) M (d) G

Answer : d : G

$$6 \times 4 - 7 = 24 - 7 = 17 \text{ i.e. G}$$

Q 95. If $P=4, Q=7, R=9, S=12, K=20$

Then $S \div P \times R - Q = ?$

- (a) Q (b) K (c) S (d) P

Answer : b - K

$$12 \div 4 \times 9 - 7 = 3 \times 9 - 7 = 27 - 7 = 20 \text{ i.e. K}$$

Series

For Example : -

Find the Missing Number.

2, 4, ?, 8, 10

- (a) 5 (b) 6 (c) 11 (d) 12

Answer : b - 6

Each number increases by 2 i.e. $2+2=4, 4+2=6, 6+2=8, 8+2=10$

Q 96. Find the missing number in the series.

2, 6, 14, 26, ?

- (a) 51 (b) 42 (c) 32 (d) 28

Answer : b - 42

The difference of each successive number is increased by 4

2 6 14 26 42
□ □ □ □
+4 +8 +12 +16

Q 97. What comes next ?

3, 5, 7, 9, 11, ?

- (a) 15 (b) 18 (c) 13 (d) 14

Answer : c – 13

Each number increases by 2

Q 98. Find the missing letter in the following series.

B, E, H, ?, N, Q

- (a) R (b) J (c) L (d) K

Answer : d – K

B E H K N Q
□ □ □ □ □
+2 +2 +2 +2 +2

Q99. Find the missing number ?

49, 37, 27, 19, 13, ?

- (a) 8 (b) 9 (c) 6 (d) 11

Answer : b – 9

49 (-12), 37 (-10), 27 (-8), 19(-6), 13(-4), 9

Q 100. What comes next ?

480, 240, 120, 60, 30, ?

- (a) 18 (b) 20 (c) 15 (d) 10

Answer : c – 15

Keep dividing by 2 to get the answer.