

SAMPLE PAPER GROUP GAMMA

MATHEMATICS SECTION

Q1. Solve: $125 \times 24 = ?$

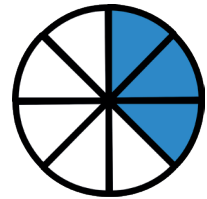
- a)
- c)

- b)
- d)

Q2. Shade $\frac{3}{8}$ of the circle.

- a)
- c)

- b)
- d)



Q3. Simplify: $45 \div (9 \div 3)$.

- a)
- c)

- b)
- d)

Q4. A shopkeeper sells 56 pens in a box. How many pens in 25 boxes?

- a)
- c)

- b)
- d)

Q5. Find perimeter of a rectangle with length 12 cm and width 7 cm.

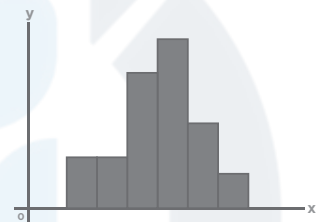
- a)
- c)

- b)
- d)

Q6. Which category has the highest value?

- a)
- c)

- b)
- d)



Q7. Convert $\frac{7}{10}$ into percentage.

- a)
- c)

- b)
- d)

Q8. If $3x + 4 = 19$, what is x ?

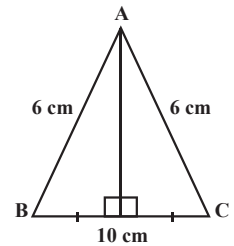
- a)
- c)

- b)
- d)

Q9. Find area.

- a)
- c)

- b)
- d)



Q10. The mean of 8, 12, 14, 16, 20 is?

- a)
- c)

- b)
- d)

Q11. What is the LCM of 12 and 18?

- a)
- c)

- b)
- d)

Q12. Express 0.375 as a fraction.

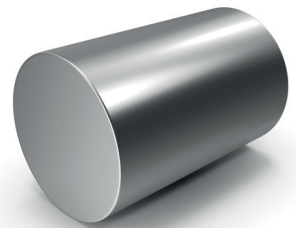
- a)
- c)

- b)
- d)

Q13. Which solid shape is shown?

- a)
- c)

- b)
- d)



Q14. If a car runs 60 km in 1.5 hours, what is its speed (km/h)?

- a)
- c)

- b)
- d)

Q15. The sum of angles in a quadrilateral is?

- a)
- c)

- b)
- d)

Q16. $\frac{2}{3}$ of 90 = ?

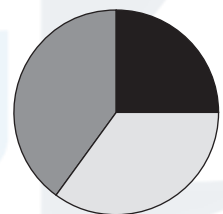
- a)
- c)

- b)
- d)

Q17. Which slice represents 25%?

- a)
- c)

- b)
- d)



Q18. A book costs Rs. 240. Find price after 10% discount.

- | | |
|----|----|
| a) | b) |
| c) | d) |

Q19. Which number is prime: 87, 89, 91, 93?

- | | |
|----|----|
| a) | b) |
| c) | d) |

Q20. Find the missing number in pattern: 2, 6, 18, 54, ___?

- | | |
|----|----|
| a) | b) |
| c) | d) |



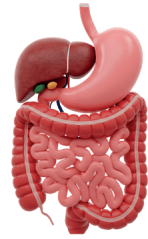
SCIENCE SECTION

Q21. Which part of plant transports water from roots to leaves?

- a) b)
c) d)

Q22. Which organ digests proteins?

- a) b)
c) d)



Q23. State Newton's third law of motion.

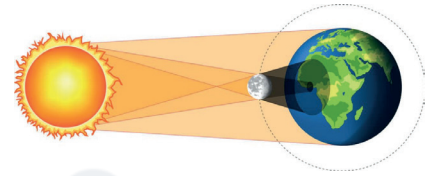
- a) b)
c) d)

Q24. Which energy is produced by moving air?

- a) b)
c) d)

Q25. What covers the sun in a solar eclipse?

- a) ☐ b) ☐
 c) ☐ d) ☐



Q26. Why does a metal spoon feel colder than a wooden one in winter?

- a) 
- b) 
- c) 
- d) 

Q27. Which organelle is called the powerhouse of the cell?

- a)  b) 
- c)  d) 

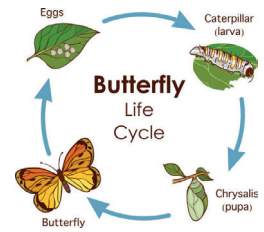
Q28. Name the gas released when we exhale.

- a)  b) 

c)  d) 

Q29. What is the stage between larva and adult?

- a) b)
- c) d)



Q30. What percentage of Earth's surface is water?

- a) b)
- c) d)

Q31. Which planet has rings around it?

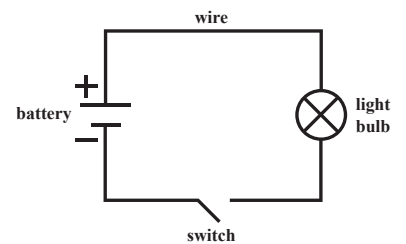
- a) b)
- c) d)

Q32. Give one example of a non-renewable resource.

- a) b)
- c) d)

Q33. What happens if the switch is open?

- a) b)
- c) d)



Q34. Which blood cells fight infections?

- a) b)
- c) d)

Q35. What causes tides in oceans?

- a) b)
- c) d)

Q36. State one property of matter.

- a) b)
- c) d)

Q37. Which organ helps us maintain balance?

- a) b)
- c) d)

Q38. Convert 100°C to Fahrenheit.

- a) b)
- c) d)



Q39. Which simple machine is a seesaw?

- a) b)
- c) d)

Q40. What is the main source of energy for life on Earth?

- a) b)
- c) d)



ENGLISH SECTION

Q41. Read passage 'The Journey'. What was the main challenge faced by the boy?

- a) b)
- c) d)

Q42. Which is the correct past tense form of 'swim'?

- a) b)
- c) d)

Q43. Fill blank: She has ____ books on the table. (many/much)

- a) b)
- c) d)

Q44. Odd one out:

- a) Quickly b) Slowly
- c) Cat d) Loudly

Q45. Which is the synonym of 'brave'?

- a) b)
- c) d)

Q46. Which is the antonym of 'ancient'?

- a) b)
- c) d)

Q47. Fill blank: The boys ____ playing in the garden. (is/are)

- a) b)
- c) d)

Q48. Which word is an adverb:

- a) Run b) Blue
- c) Slowly d) Chair

Q49. Read passage 'The Dog and the Fox'. Why did the fox trick the dog?

- a) b)
- c) d)

Q50. Choose correct spelling:

- a) Enviroment b) Environment
- c) Environmmment

Q51. Which pronoun replaces ‘Ali and I’?

- a) b)
c) d)

GENERAL KNOWLEDGE SECTION

Q61. Which is the largest desert in the world?

- a) Sahara
- b) Gobi
- c) Kalbari
- d) Thar



Q62. Who was the first woman to fly solo across the Atlantic?

- a) Amelia Earhart
- b) Bessie Coleman
- c) Harriet Quimby
- d) Elinor Smith

Q63. Which continent is called 'Dark Continent'?

- a) Africa
- b) Asia
- c) Europe
- d) Australia

Q64. These are located in which country?

- a) Egypt
- b) Sudan
- c) Libya
- d) Tunisia



Q65. Name the largest island in the world.

- a) Greenland
- b) Madagascar
- c) Sumatra
- d) Borneo

Q66. Who invented the steam engine?

- a) James Watt
- b) Thomas Edison
- c) James Clerk Maxwell
- d) James Watt

Q67. When was United Nations founded?

- a) 1945
- b) 1948
- c) 1950
- d) 1955



Q68. Which mountain range separates Europe and Asia?

- a) Alps
- b) Pyrenees
- c) Caucasus
- d) Himalayas

Q69. Which country gifted the Statue of Liberty to the USA?

- a) France
- b) Italy
- c) Spain
- d) Germany

Q70. Who wrote 'Hamlet'?

- a) William Shakespeare
- b) Moliere
- c) John Milton
- d) Christopher Marlowe

Q71. Which country lies on both Asia and Europe?

- a)
- c)

- b)
- d)



Q72. Name the ocean between Africa and Australia.

- a)
- c)

- b)
- d)

Q73. Who was the first Muslim Nobel Prize winner?

- a)
- c)

- b)
- d)

Q74. This landmark is in which city?

- a)
- c)

- b)
- d)



Q75. Capital city of Canada?

- a)
- c)

- b)
- d)

Q76. Who was known as Iron Man of India?

- a)
- c)

- b)
- d)

Q77. Which gas is used in balloons?

- a)
- c)

- b)
- d)

Q78. In which mountain range is Everest?

- a)
- c)

- b)
- d)



Q79. Which is the smallest planet in our solar system?

- a)
- c)

- b)
- d)

Q80. Who was the first President of Pakistan?

- a)
- c)

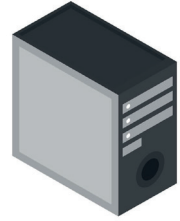
- b)
- d)

INFORMATION TECHNOLOGY SECTION

Q81. Which part is called the brain of the computer?

- a)
- c)

- b)
- d)



Q82. Expand URL.

- a)
- c)

- b)
- d)

Q83. Which device connects a computer to the internet?

- a)
- c)

- b)
- d)



Q84. Which memory is volatile?

- a)
- c)

- b)
- d)

Q85. Which type of software is MS Excel?

- a)
- c)

- b)
- d)

Q86. Which key deletes text to the left of cursor?

- a)
- c)

- b)
- d)



Q87. Which device is used to capture images?

- a)
- c)

- b)
- d)

Q88. What does HTTP stand for?

- a)
- c)

- b)
- d)

Q89. What type of device is a smartphone?

- a)
- c)

- b)
- d)



Q90. Which part of computer stores instructions temporarily?

- a)
- c)

- b)
- d)

Q91. What is phishing in cyber security?

- a) b)
- c) d)

Q92. What does this represent?

- a) b)
- c) d)



Q93. Which key is used to save file in Windows (shortcut)?

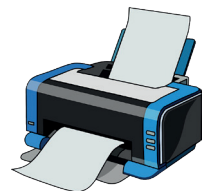
- a) b)
- c) d)

Q94. Which device reads barcodes?

- a) b)
- c) d)

Q95. Which device gives hard copy output?

- a) b)
- c) d)



Q96. Which is an example of application software?

- a) b)
- c) d)

Q97. What does AI stand for in computing?

- a) b)
- c) d)

Q98. What is the full form of USB?

- a) b)
- c) d)



Q99. Which device helps project visuals on screen?

- a) b)
- c) d)

Q100. Which search engine is developed by Google?

- a) b)
- c) d)

ANSWER KEY

MATHEMATICS SECTION

Q1: 3000

Reasoning: $125 \times 24 = 3000$.

Q2: $\frac{3}{8}$

Reasoning: Three parts shaded out of 8.

Q3: 15

Reasoning: $45 \div (9 \div 3) = 45 \div 3 = 15$.

Q4: 1400

Reasoning: $56 \times 25 = 1400$.

Q5: 38 cm

Reasoning: Perimeter = $2(l+w) = 2(12+7)$.

Q6: Category with tallest bar

Reasoning: Bar chart shows highest category.

Q7: 70%

Reasoning: $7/10 = 70\%$.

Q8: 5

Reasoning: $3x + 4 = 19 \Rightarrow 3x = 15 \Rightarrow x = 5$.

Q9: 30 cm^2

Reasoning: Area = $\frac{1}{2} \times \text{base} \times \text{height} = \frac{1}{2} \times 10 \times 6$.

Q10: 14

Reasoning: $(8+12+14+16+20)/5 = 70/5 = 14$.

Q11: 36

Reasoning: LCM of 12 and 18 is 36.

Q12: $\frac{3}{8}$

Reasoning: $0.375 = 375/1000 = 3/8$.

Q13: Cylinder

Reasoning: Shape shown is cylinder.

Q14: 40 km/h

Reasoning: $60 \div 1.5 = 40 \text{ km/h}$.

Q15: 360°

Reasoning: Sum of angles in quadrilateral = 360° .

Q16: 60

Reasoning: $\frac{2}{3}$ of 90 = 60.

Q17: $\frac{1}{4}$

Reasoning: 25% is one quarter.

Q18: 216

Reasoning: $240 - 10\% = 240 - 24 = 216$.

Q19: 89

Reasoning: 89 is prime.

Q20: 162

Reasoning: Pattern $\times 3 \Rightarrow 54 \times 3 = 162$.



SCIENCE SECTION

Q21: Xylem

Reasoning: Xylem transports water.

Q22: Stomach

Reasoning: Stomach digests proteins.

Q23: Action-Reaction

Reasoning: Every action has equal and opposite reaction.

Q24: Wind energy

Reasoning: Moving air produces wind energy.

Q25: Moon

Reasoning: Moon covers sun in solar eclipse.

Q26: Conductivity

Reasoning: Metal conducts heat faster than wood.

Q27: Mitochondria

Reasoning: Powerhouse of the cell.

Q28: Carbon dioxide

Reasoning: We exhale carbon dioxide.

Q29: Pupa

Reasoning: Stage between larva and adult is pupa.

Q30: 71%

Reasoning: 71% of Earth's surface is water.

Q31: Saturn

Reasoning: Saturn has visible rings.

Q32: Coal

Reasoning: Coal is non-renewable.

Q33: Circuit open

Reasoning: Current does not flow when switch is open.

Q34: White blood cells

Reasoning: WBCs fight infections.

Q35: Moon's gravity

Reasoning: Moon causes tides.

Q36: Has mass/volume

Reasoning: Matter has mass and occupies space.

Q37: Ear (inner)

Reasoning: Inner ear helps maintain balance.

Q38: 212°F

Reasoning: $100^{\circ}\text{C} = 212^{\circ}\text{F}$.

Q39: Lever

Reasoning: Seesaw is a lever.

Q40: Sun

Reasoning: Sun is main energy source.



ENGLISH SECTION

Q41: Crossing river

Reasoning: Passage shows challenge was crossing river.

Q42: Swam

Reasoning: Past tense of swim is swam.

Q43: many

Reasoning: She has many books.

Q44: Cat

Reasoning: Odd one out, others are adverbs.

Q45: Courageous

Reasoning: Synonym of brave is courageous.

Q46: Modern

Reasoning: Antonym of ancient is modern.

Q47: are

Reasoning: The boys are playing.

Q48: Slowly

Reasoning: Adverb is slowly.

Q49: Food

Reasoning: Fox tricked dog for food.

Q50: b

Reasoning: Correct spelling is Environment.

Q51: We

Reasoning: Pronoun for Ali and I is We.

Q52: went

Reasoning: They went to Lahore yesterday.

Q53: Honesty is Best Policy

Reasoning: Best title matches story.

Q54: Personification

Reasoning: Stars dancing = personification.

Q55: And

Reasoning: 'And' is a conjunction.

Q56: Teeth

Reasoning: Plural of tooth is teeth.

Q57: Past perfect

Reasoning: 'She had eaten' is past perfect.

Q58: than

Reasoning: He is taller than his brother.

Q59: Clever

Reasoning: Synonym of intelligent is clever.

Q60: !

Reasoning: Exclamation ends with !



GENERAL KNOWLEDGE SECTION

Q61: Sahara

Reasoning: Sahara is largest desert.

Q62: Amelia Earhart

Reasoning: First woman to fly solo across Atlantic.

Q63: Africa

Reasoning: Dark Continent = Africa.

Q64: Egypt

Reasoning: Pyramids in Egypt.

Q65: Greenland

Reasoning: Largest island is Greenland.

Q66: James Watt

Reasoning: Invented steam engine.

Q67: 1945

Reasoning: UN founded in 1945.

Q68: Ural mountains

Reasoning: Urals separate Europe/Asia.

Q69: France

Reasoning: France gifted Statue of Liberty.

Q70: Shakespeare

Reasoning: Hamlet by Shakespeare.

Q71: Turkey

Reasoning: Turkey lies in Asia and Europe.

Q72: Indian Ocean

Reasoning: Between Africa and Australia.

Q73: Abdus Salam

Reasoning: First Muslim Nobel laureate.

Q74: London

Reasoning: Big Ben is in London.

Q75: Ottawa

Reasoning: Capital of Canada is Ottawa.

Q76: Sardar Patel

Reasoning: Iron Man of India was Patel.

Q77: Helium

Reasoning: Balloons filled with helium.

Q78: Himalayas

Reasoning: Everest is in Himalayas.

Q79: Mercury

Reasoning: Smallest planet is Mercury.

Q80: Iskander Mirza

Reasoning: First President of Pakistan.



INFORMATION TECHNOLOGY SECTION

Q81: CPU

Reasoning: CPU is brain of computer.

Q82: Uniform Resource Locator

Reasoning: URL = Uniform Resource Locator.

Q83: Router

Reasoning: Router connects to internet.

Q84: RAM

Reasoning: RAM is volatile memory.

Q85: Spreadsheet

Reasoning: MS Excel is spreadsheet software.

Q86: Backspace

Reasoning: Backspace deletes left text.

Q87: Camera

Reasoning: Camera captures images.

Q88: HyperText Transfer Protocol

Reasoning: HTTP = HyperText Transfer Protocol.

Q89: Mobile device

Reasoning: Smartphone is mobile device.

Q90: RAM

Reasoning: RAM stores instructions temporarily.

Q91: Fraud emails

Reasoning: Phishing = fraud emails for info.

Q92: Email

Reasoning: Icon represents email.

Q93: Ctrl+S

Reasoning: Shortcut to save file.

Q94: Barcode scanner

Reasoning: Reads barcodes.

Q95: Printer

Reasoning: Printer gives hard copy output.

Q96: MS Word

Reasoning: Example of application software.

Q97: Artificial Intelligence

Reasoning: AI = Artificial Intelligence.

Q98: Universal Serial Bus

Reasoning: USB = Universal Serial Bus.

Q99: Projector

Reasoning: Projects visuals on screen.

Q100: Google

Reasoning: Google's search engine is Google.

