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FOR JKSSEE PREPARATION

JKSSEE 2023 Question Paper Class 6

EXAM	YEAR	TYPE
JKSSEE	2023	Question Paper

TEST BOOKLET – VI

Test Booklet No.

ROLL NUMBER

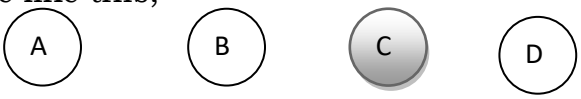
Name of the Candidate:

Signature of the Candidate:

Time: $2\frac{1}{2}$ Hours **Maximum Marks: 270**

GENERAL INSTRUCTIONS FOR CANDIDATE

1. This booklet comprises of five sections (**22 Pages**) comprising of **135 Questions** with Section A - **45** (Mathematics), B -**35** (Reasoning), C -**20** (English), D -**20** (Science) & E-**15** (Social Science/GK). Each Question has 2 Marks for correct Answer.
2. A separate OMR sheet will be provided to mark the correct answer at the proper place on the OMR sheet.
3. Use only Blue/Black Ball pen to fill your OMR sheet. Use of Pencil is not allowed.
4. For every Question there are four probable answers out of which only one most appropriate / correct. The candidate is required to select the correct answer and darken the bubble against the correct option provided against each Question in the OMR sheet. For example, if your Question no. 10 is C, fill the bubble like this;



5. Overwriting, erasing or cutting on OMR is not allowed. Using of correction fluid/whitener is also not allowed on OMR.
6. Rough work must be done only on this Booklet at the potion specified for the same.
7. The time allowed is 150 minutes.
8. There is no Negative marking.
9. A candidate is eligible for admission if he secures a minimum of **25% marks** in each Section and **40% marks** in aggregate of all the Sections. However, admission will be based on relative merit of candidate followed by medical fitness and verification of requisite documents.

Signature of Invigilator **Signature of Centre Superintendent**

SECTION A: MATHEMATICS

(Total Question – 45 Max Marks – 90)

Q No. 1. The Natural number following the 3rd odd Natural number is

a) 6 **b)** 8

c) 7 **d)** None

Q No. 2. The lcm of 2,4,9 is

a) 9 **b)** 36

c) 4 **d)** 18

Q No. 3. The lcm and hcf of two numbers are respectively 18 and 3 Their product is

a) 36 **b)** 32

c) 54 **d)** None of the above

Q No. 4. If 5 books cost Rs 600, how much will 8 books cost

a) 700 **b)** 720

c) 740 **d)** 750

Q No. 5. A boy ate $\frac{2}{3}$rd of half of a chocolate. What fraction of chocolate did he eat?

a) $\frac{1}{3}$ **b)** $\frac{2}{6}$

c) $\frac{2}{5}$ **d)** None of the above

Q No. 6. Dividing 150 in the ratio of 3:2, we get

a) 100 and 50 **b)** 90 and 60

c) 110 and 40 **d)** 120 and 30

Q No. 7. A book was sold for Rs 120 at a profit of 20%. What was the cost price of the book?

a) Rs 110 **b)** Rs 80

c) Rs 90 **d)** Rs 100

Q No. 8. Convert 4m into feet

a) 13.12 **b)** 14.15

c) 13.86 **d)** 14.23

Q No. 9. Roman for 49 is

a) XLV **b)** XLIV

c) XLIX **d)** None of the above

Q No. 10. 89.99° is what type of an angle

a) Acute
b) Obtuse
c) Right angled
d) None of the above

Q No. 11. The area of a circle of diameter 1m is

a) πm^2
b) $\pi/3m^2$
c) $\pi/2m^2$
d) $\pi/4m^2$

Q No. 12. Volume of a cuboid of length 1,1,10 m is

a) $20m^3$
b) $15m^3$
c) $10m^3$
d) $100m^3$

Q No. 13. Average of 1,1,2,3,3,3,3,3,5,6 is

a) 1
b) 3
c) 5
d) 4

Q No. 14. Let A= 25% of 20 and B= 20% of 25 then

a) A>B
b) A<B
c) A=B
d) None of the above

Q No. 15. Smallest composite number is

a) 4
b) 2
c) 1
d) 3

Q No. 16. Simplify (2+3)×(4-2)÷2

a) 6
b) 8
c) 12
d) 5

Q No. 17. Perimeter of a rectangle with sides 12 and 13 is

a) 50
b) 40
c) 45
d) 25

Q No. 18. Simple interest on an amount of Rs 2000 for 3 years at 5% per annum rate is

a) 28
b) 300
c) 150
d) 200

Q No. 19. 5°C to Fahrenheit is

a) 33
b) 41
c) 21
d) None of the above

Q No. 20. How many sides does hexagon have?

a) 7 **b)** 9

c) 6 **d)** 10

Q No. 21. A car covers a distance of 120 km in 2 hours. what is the speed of car?

a) 90km/h **b)** 50km/h

c) 40km/h **d)** 60km/h

Q No. 22. The product of smallest even and odd natural number is

a) 2 **b)** 4

c) 4 **d)** None of the above

Q No. 23. Average of 0.25, 0.75, and 0.20 is

a) 0.4 **b)** 0.3

c) 0.35 **d)** None of the above

Q No. 24. The sum of 1, 2 and $\frac{2}{3}$ is

a) $\frac{11}{3}$ **b)** $\frac{3}{11}$

c) $\frac{5}{3}$ **d)** $\frac{6}{11}$

Q No. 25. Two angles are supplementary. One 135º, what is the other

a) 60º **b)** 50º

c) 45º **d)** 40º

Q No. 26. Arrange $\frac{2}{5}, \frac{3}{4}, \frac{1}{2}$ in descending order

a) $\frac{3}{4} < \frac{1}{2} < \frac{2}{5}$ **b)** $\frac{3}{4} < \frac{2}{5} < \frac{1}{2}$

c) $\frac{1}{2} < \frac{3}{4} < \frac{2}{5}$ **d)** None of the above

Q No. 27. Three lines can intersect at a maximum of

a) 1 point **b)** 2 points

c) 3 points **d)** 4 points

Q No. 28. Which of the following can be drawn on a paper?

a) Line segment **b)** Ray

c) Line **d)** None of the above

Q No. 29. You take a pie from a pizza with 60⁰ angle, what fraction of the pizza did you eat?

a) $\frac{1}{6}$ **b)** $\frac{2}{3}$

c) $\frac{1}{2}$ **d)** $\frac{3}{4}$

Q No. 30. A car travelled a distance of 480 km in 4 hours. What is the speed of car?

a) 130 km/h **b)** 90 km/h

c) 100 km/h **d)** 120 km/h

Q No. 31. If the radius of a circle is doubled, its area

a) Doubles **b)** Troubles

c) Becomes four times **d)** None of the above

Q No. 32. Doubling the sides of square has what effect on its perimeter?

a) The perimeter also doubles

b) The perimeter remains same

c) The perimeter becomes three times

d) None of the above

Q No. 33. The diagonals of square always cut each other at an angle of

a) 30⁰ **b)** 45⁰

c) 60⁰ **d)** 90⁰

Q No. 34. The sum of first 5 natural numbers is

a) 10 **b)** 12

c) 15 **d)** 20

Q No. 35. Simplify $\frac{2}{3} \times \frac{1}{2} - \frac{1}{2}$

a) 0 **b)** 1/8

c) 2/3 **d)** None of the above

Q No. 36. Five pigeons go to four nests. At least one nest contains at least

a) 2 pigeons **b)** 3 pigeons

c) 5 pigeons **d)** Cannot be said

Q No. 37. Two angles are complementary. If one is 41⁰, the other is

a) 49⁰ **b)** 50⁰

c) 51⁰ **d)** 52⁰

Q No. 38. The product of two numbers is 96. If one is 48, the other is

a) 3
b) 2
c) 4
d) 5

Q No. 39. Estimate the product of 571 and 421 by rounding each to the nearest hundred

a) 20,0000
b) 20,00
c) 24,0000
d) None of the above

Q No. 40. If the HCF of two numbers is 4 and their LCM is 24, then the numbers are

a) 2, 35
b) 6, 70
c) 4, 70
d) 8, 12

Q No. 41. What is the length of a rectangle if its breadth is 25cm and its perimeter is 110cm?

a) 52cm
b) 30cm
c) 35cm
d) 28cm

Q No. 42. 775 millimeters converted into meters is equal to

a) 77500m
b) 0.755m
c) 0.775m
d) 0.00775m

Q No. 43. The successor of 999 is

a) 100
b) 99
c) 1000
d) All of the above

Q No. 44. HCF of 5 ,6,7,11 is

a) 5
b) 11
c) 1
d) 0

Q No. 45. Which of the following ratios is equivalent to 1:3

a) 4:8
b) 3:9
c) 2:3
d) 4:9

SECTION B: INTELLIGENCE/ REASONING

(Total Question – 35 Max Marks – 70)

Q No. 46. What is the minimum number of line segments required to make letter N?

a) 4 **b)** 5
c) 2 **d)** 3

Q No. 47. Oak tree is not taller than red maple tree. Red maple tree is shorter than pine tree. So, which is the tallest tree?

a) Oak tree **b)** Red Maple tree
c) Pine tree **d)** None of these

Q No. 48. If 'a' means '+', 'b' means '÷', 'c' means '×' and 'd' means '-', then what is the value of the expression 8 a 4 b 1 c 15 d 20?

a) 52 **b)** 65
c) 45 **d)** 48

Q No. 49. If all the letters of the English alphabet are written in order, the letter at the 9^{th} place to the left of letter O will be

a) G **b)** D
c) E **d)** F

Q No. 50. The science club has fewer members than the art club. The art club has fewer members than the literature club. Which club has the fewest members?

a) The Science Club **b)** The Art Club
c) The literature Club **d)** None of the above

Q No. 51. If yesterday was Tuesday, when will be Friday?

a) Today **b)** Tomorrow
c) Two days after tomorrow **d)** Day after Tomorrow

Q No. 52. Given,





Rajesh brought 

He bought ------ more toffees than muffins?

a) 6 **b)** 5

c) 7 **d)** 4

Q No. 53. What is the 20th term of the series 1 2 2 3 3 3 4 4 4 4 .....

a) 6 **b)** 7

c) 8 **d)** 5

Q No. 54.  = 30 locks

 =---------- locks

a) 20 **b)** 15

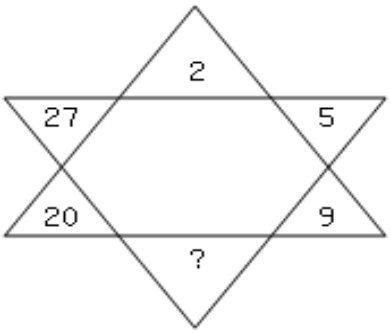
c) 30 **d)** 25

Q No. 55. If the 2nd day of a month is Friday, then the 28th day of the month will be

a) Monday **b)** Tuesday

c) Wednesday **d)** Thursday

Q No. 56. Find the missing term.



a)11 **b)**13

c)14 **d)**15

Q No. 57.  = ₹220

 = ₹150

 = ₹180

 = ₹50

What is the cost of  ?

a) Rs. 50 **b)** Rs. 30

c) Rs. 60 **d)** Rs. 40

Q No. 58. 1111 = 1000 +----------+ 1. What is the missing number?

a) 11 **b)** 1

c) 101 **d)** 110

Q No. 59. How many lines of symmetry are there in a square?

a) 4 **b)** 1

c) 3 **d)** 2

Q No. 60. Which is the next term in this series?

3, 6, 10, 15, 21, 28, ...

a) 37 **b)** 34

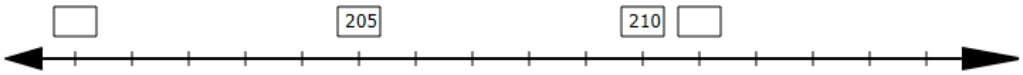
c) 38 **d)** 36

Q No. 61. The raspberry cookie is more expensive than the chocolate cookie but less expensive than the oatmeal cookie. Which cookie is the most expensive?

a) Chocolate Cookie **b)** Raspberry Cookie

c) OatMeal Cookie **d)** None of the above

Q No. 62. Find the correct numbers for empty boxes b



a) 200, 212
b) 200, 211
c) 199, 212
d) 199, 211

Q No. 63. Pointing to a woman, I said, "She is the mother of my father's sister". How is that woman related to me?

a) Mother
b) Daughter
c) Sister
d) Mother

Q No. 64. A party consists of grandmother, father, mother, two sons and their wives and two daughters of each of the sons. How many females are there in all?

a) 6
b) 8
c) 10
d) 12

Q No. 65. Megha and Risha are sisters. Nishant and Harsh are brothers. Megha is the mother of Nishant. How is Risha related to Harsh?

a) Aunt
b) Mother
c) Grandmother
d) Sister

Q No. 66. If orange is called butter, butter is called soap, soap is called ink, ink is called honey and honey is called orange, which of the following is used for washing clothes?

a) Honey
b) Ink
c) Orange
d) Soap

Q No. 67. If in a certain code, HAT is 782, RABBIT is 681192. What is the code for HABIT?

a) 78139
b) 78192
c) 68192
d) 78129

Q No. 68. In a certain code, REFRIGERATOR is coded as ROTAREGIRFER. Which word would be coded as NOITINUMMA?

a) ANMOMIUTNI
b) AMNTOMUIIN
c) AMMUNITIOA
d) AMMUNITION

Q No. 69. Which of the following jumbled words is not an animal?

a) LATHPEEN **b)** TICRECK

c) FEFEOC **d)** TAR

Q No. 70. Choose the word which is different from the rest:

a) SMELL **b)** ODOUR

c) Foul **d)** Fragrance

Q No. 71. Choose the odd one out:

a) Foot **b)** Yard

c) Quart **d)** Meter

Q No. 72. Six friends A, B, C, D, E and F are sitting around a circular table. D is sitting between A and F, B is sitting between C and E. If A is sitting on right of E, who is sitting between D and E?

a) B **b)** F

c) A **d)** C

Q No. 73. There are.....triangles in this figure.



a) 9 **b)** 7

c) 4 **d)** 6

Q No. 74. Find the missing number in the given pattern. 3, 9, 27, ?, 243, 729, 2187, ...

a) 81 **b)** 85

c) 78 **d)** 76

Q No. 75. If all the letters of the English alphabet are written in reverse order, what will be the letter at the 6th place to the right of letter P?

a) K **b)** H

c) J **d)** L

Q No. 76. There are red and blue balls in a bag. Two-fifth of the balls are red. If we now add 7 red and 7 blue to the bag, which of the following is correct?

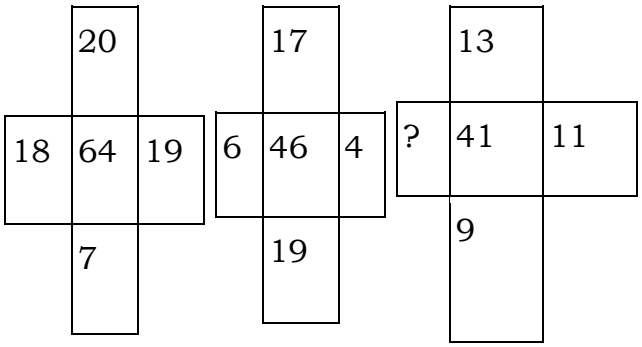
a) There are more blue balls than red balls

b) There are same number of red and blue balls

c) Cannot be determined from given information

d) There are more red balls than blue balls

Q No. 77. Find the missing number.



a) 7 **b)** 8

c) 10 **d)** 6

Q No. 78. How many 4's are there preceded by 7 but not followed by 3?

5 9 3 2 1 7 4 2 6 9 7 4 6 1 3 2 8 7 4 1 3 8 3 2 5 6 7 4 3 9 5 8 2 0 1 8 7 4 6 3

a) 4 **b)** 3

c) 6 **d)** 5

Q No. 79. Sunil, Balvinder, Sonia, and Harsh are playing cards. They are sitting such that all of them sit in four different directions (North, South, East, and West) and face the center. The partners will always face each other. Sunil and Balvinder are partners. If Balvinder is facing north, and Sonia is sitting towards the right-hand side of Balvinder, which direction is Harsh facing?

a) South **b)** West

c) North **d)** East

Q No. 80. The day after tomorrow is my sister's birthday. On the same day next week is the festival of Rakhi. If today is Thursday, then the day before Rakhi will be----------

a) Monday **b)** Tuesday

c) Wednesday **d)** Friday

SECTION C: ENGLISH

(Total Question – 20 Max Marks – 40)

PASSAGE

Directions (**Q No. 81** to **Q No. 84**): Read the passage carefully and choose correct option from the given alternatives:

The world is full of people who live only for themselves. Most of us care only for our own needs, comforts and ambitions. At the most, we live for our own children and close friends. But, of what use is our prosperity to others? We should measure our achievements not by the wealth we have amassed, but by what we have done to add to human happiness. To know whether our lives have been lived fruitfully, let us ask ourselves, "Have we comforted those in distress? Have we fought injustice and cruelty in life? What have we done for the joy of doing it?" If the answer is in the negative, the best part of our lives has unfortunately been wasted.

Q No. 81. How should we measure our achievements?

a) By the wealth we have amassed
b) In terms of our comforts
c) By what we have done to add to human happiness
d) By making others distressed

Q No. 82. What do most of us live and care for?

a) Fulfilling others' needs
b) Fulfilling only our own needs, comforts and ambitions
c) Bringing about happiness in others' lives
d) Sharing the grief and pain of humanity

Q No. 83. Give the opposite of 'fruitful':

a) Useful **b)** Fruitless
c) Fertile **d)** Productive

Q No. 84. Give the opposite of 'distress':

a) Torment **b)** Trouble
c) Comfort **d)** discomfort

Directions for **Q No. 85** to **Q No. 87**: Fill in the blanks with suitable preposition from the options given below:

Q No. 85. He is fond..... playing cricket.

a) at **b)** of

c) with **d)** for

Q No. 86. Kashmir is famous.....its beauty.

a) by **b)** with

c) for **d)** among

Q No. 87. Our school is closed .....Sundays.

a) at **b)** in

c) on **d)** for

Directions for **Q No. 88** to **Q No. 90**: Use appropriate article from the alternatives given below:

Q No. 88. He is ..... European but she is ..... Indian.

a) the, the **b)** a, the

c) the, an **d)** a, an

Q No. 89. Shakespeare was ..... great poet.

a) the **b)** an

c) a **d)** Zero article

Q No. 90. My sister is pursuing ..... M.A programme at the University.

a) a **b)** an

c) the **d)** zero article

Directions for **Q No. 91** to **Q No. 92**: Use correct form of the verb from the given options:

Q No. 91. I love ..... outdoor games.

a) play **b)** playing

c) to play **d)** None of the above

Q No. 92. The sun ..... in the east.

a) is rising **b)** has risen

c) rose **d)** rises

Directions for **Q No. 93** to **Q No. 94**: Fill in the blanks with suitable degree of adjectives from the alternatives given below:

Q No. 93. Prevention is ..... than cure. (good)

a) good
b) best
c) better
d) worst

Q No. 94. Mount Everest is the ..... mountain peak in the world. (high)

a) highest
b) higher
c) high
d) lowest

Directions for **Q No. 95** to **Q No. 97**: Identify appropriate tense form as used in the following sentences from the given options:

Q No. 95. I breathe.

a) Present perfect
b) Past indefinite
c) Past perfect
d) Present indefinite

Q No. 96. She is making tea for us.

a) Present progressive
b) Present perfect
c) Future indefinite
d) None of the above

Q No. 97. I have sent him a mail.

a) Past perfect
b) Present perfect
c) Future perfect
d) Past indefinite

Directions for **Q No. 98** to **Q No.100**: Put the right word in the given sentences from the alternatives given below:

Q No. 98. He deals in all kinds of ..... items.

a) stationary
b) stationery
c) both of the above
d) None of the above

Q No. 99. I bought a ..... cleaner last week.

a) vacuum
b) vacuum
c) vacume
d) None of the above

Q No. 100. Well ..... is half done.

a) beginning
b) begun
c) beginning
d) biggening

SECTION D: GENERAL SCIENCE

(Total Question – 20 Max Marks – 40)

Q No. 101. The animals that provide meat and egg are called?

a) Milch animals
b) Poultry animals
c) Both a and b
d) None of the above

Q No. 102. Tiger and Lion are examples of

a) Omnivores
b) Carnivores
c) Both a and b
d) Herbivores

Q No. 103. Vitamins and minerals are examples of

a) Body building foods
b) Protective food
c) Energy producing foods
d) None of the above

Q No. 104. Which vitamin is required for good eye sight

a) Vitamin A
b) Vitamin B
c) Vitamin C
d) Vitamin D

Q No. 105. Cotton, wool, silk and jute are

a) Natural fibres
b) Synthetic fibres
c) Both a and b
d) None of the above

Q No. 106. Glass is

a) Transparent
b) Opaque
c) Translucent
d) Both a and c

Q No. 107. When the heavier component in a mixture settles after water is added to it, the process is called

a) Decantation
b) Filtration
c) Sedimentation
d) None of the above

Q No. 108. Water comes out of leaves in the form of vapour by a process called

a) Evaporation
b) Condensation
c) Both a and b
d) Transpiration

Q No. 109. Which part of the plant conducts water to leaves

a) Root
b) Stem
c) Leaves
d) All of the above

Q No. 110. The heart and lungs are protected by

a) Skull **b)** Pelvic girdle

c) Ribs **d)** All of the above

Q No. 111. The surrounding where plant and animals live is called

a) Desert **b)** Habitat

c) Ecosystem **d)** All of the above

Q No. 112. Hairy nose, padded feet, hump, hairy ears are adaptations in

a) Desert animals **b)** Ocean animals

c) Terrestrial animals **d)** All of the above

Q No. 113. For measuring large distances which unit is convenient

a) Mt **b)** Cm

c) Km **d)** Mm

Q No. 114. The motion of point marked on the blade of an electric fan or hands of a clock are examples of

a) Circular motion **b)** Periodic

c) Linear **d)** None of the above

Q No. 115. Which device is used to either break the electric circuit or complete it

a) Conductor **b)** Switch

c) Insulator **d)** Electric cell

Q No. 116. Iron, nickel or cobalt are examples of

a) Magnetic substances **b)** Non magnetic

c) Insulators **d)** None of the above

Q No. 117. Collection of rain water to store it for later use is called

a) Rain water harvesting **b)** Collection

c) Storing **d)** All of the above

Q No. 118. The melting point of ice is

a) 100 ^{0}C **b)** 50 ^{0}C

c) 0 ^{0}C **d)** -2 ^{0}C

Q No. 119. Which gas supports burning and is necessary for living organism

a) Nitrogen **b)** Oxygen

c) Hydrogen **d)** None of the above

Q No. 120. The process by which material once used & discarded are used again

a) Re-usage **b)** Recycling

c) Reduction **d)** Disposal

SECTION E: SOCIAL SCIENCE / GENERAL KNOWLEDGE

(Total Question – 15 Max Marks – 30)

Q No. 121. The FIFA Football World Cup 2022 was won by:

a) Germany **b)** Morocco

c) Chile **d)** Argentina

Q No. 122. Kathakali is the classical dance of:

a) Tamil Nadu **b)** Punjab

c) Manipur **d)** Kerala

Q No. 123. Pir Panjal range is located in:

a) Arunachal Pradesh **b)** Jammu and Kashmir

c) Punjab **d)** Uttarakhand

Q No. 124. United Nations Organization (UNO) came into being on:

a) 24 September, 1945 **b)** 24 October, 1945

c) 24 January, 1950 **d)** 24 October, 1946

Q No. 125. The foundation of Qutub Minar was laid by?

a) Iltutmish **b)** Balban

c) Raziya Sultan **d)** Qutub-u-Din Aibek

Q No. 126. ---------- is the National Animal of India:

a) Tiger **b)** Lion

c) Elephant **d)** Zebra

Q No. 127. Sikhism was founded by:

a) Guru Gobind Singh **b)** Guru Angad

c) Guru Nanak **d)** Guru Tegh Bahadur

Q No. 128. Which of the following sites does not belong to the Harappan Civilization?

a) Kalibangan **b)** Lothal

c) Burzahoma **d)** Mohenjadaro

Q No. 129. Who was the home minister of India between 2014-2019?

a) S. Jaishankar **b)** Amit Shah

c) Rajnath Singh **d)** Nitin Gadkari

Q No. 130. _____ is used to measure the human body temperature:

a) Dynamometer **b)** Cathetometer

c) Barometer **d)** Thermometer

Q No. 131. The rearing of bees is known as:

a) Sericulture **b)** Pisciculture

c) Apiculture **d)** Horticulture

Q No. 132. Which of the following is not a renewable source of energy?

a) Ocean energy **b)** Solar energy

c) Geothermal energy **d)** Fossil fuel energy

Q No. 133. Who was the first prime minister of independent India?

a) V.B. Patel **b)** J. L. Nehru

c) Lal Bahadur Shastri **d)** Lord Mountbatten

Q No. 134. The art and science of making maps and charts is called as:

a) Cartography **b)** Epigraphy

c) Archeology **d)** Numismatics

Q No. 135. Seismology is the scientific study of:

a) Floods **b)** Wind Storms

c) Earthquakes **d)** Forest fires

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