

J&K SAINIK SCHOOL MANASBAL

TEST BOOKLET - IX

ROLL NUMBER

900097

Test Booklet No. & Series

900097

A

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 (**28 Pages**) comprising of **135 Questions** with Section **A - 50** (Mathematics), **B - 30** (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 is the 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 answer for a particular question is option C, fill the bubble as given below.



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 portion 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 the candidate followed by medical fitness and verification of requisite documents.

Signature of Invigilator

Signature of Centre Superintendent

SECTION A: MATHEMATICS**(Total Question – 50 Max Marks – 100)**

- Q.1.** The value of $(5/4) - (8/3)$ is:
- a) $17/12$
 - b) $-17/12$
 - c) $12/17$
 - d) $-12/17$
- Q.2.** Which of the following is commutative for rational numbers?
- a) Addition and subtraction
 - b) Addition and multiplication
 - c) Multiplication and division
 - d) Subtraction and division
- Q.3.** What should be added to $-7/3$ to get $3/7$?
- a) $21/58$
 - b) $58/21$
 - c) $47/21$
 - d) $50/21$
- Q.4.** The perimeter of the rectangle is 20cm. If the length of the rectangle is 6cm, then its breadth will be:
- a) 4 cm
 - b) 6 cm
 - c) 10 cm
 - d) 14 cm
- Q.5.** Which one of the following is a regular quadrilateral?
- a) Square
 - b) Trapezium
 - c) Kite
 - d) Rectangle
- Q.6.** If $\angle A$ and $\angle B$ are two adjacent angles of a parallelogram. If $\angle A = 70^\circ$, then $\angle B = ?$
- a) 70°
 - b) 90°
 - c) 110°
 - d) 180°



- Q.7.** The length and breadth of a rectangle is 4 cm and 2 cm respectively. Find the perimeter of the rectangle.
- a) 12 cm
 - b) 6 cm
 - c) 8 cm
 - d) 16 cm
- Q.8.** Double bar graphs display _____ sets of data simultaneously.
- a) Four
 - b) Three
 - c) Two
 - d) None of these
- Q.9.** A bag has 4 red balls and 4 green balls, what is the probability of getting a red ball randomly?
- a) $\frac{1}{4}$
 - b) $\frac{1}{8}$
 - c) $\frac{1}{2}$
 - d) 0
- Q.10.** If 5278 is squared, then what will be at unit place?
- a) 8
 - b) 7
 - c) 6
 - d) 4
- Q.11.** The Pythagorean triples whose smallest number is 8:
- a) 8, 16, 17
 - b) 8, 17, 18
 - c) 8, 15, 17
 - d) 8, 15, 16
- Q.12.** What should be divided by 53240 to make it a perfect cube?
- a) 5
 - b) 10
 - c) 15
 - d) 20



- Q.13.** If 50% of students are good at science out of 20 students. Then the number of students good at science is:
- 10
 - 15
 - 5
 - 11
- Q.14.** If we add, $7xy + 5yz - 3zx$, $4yz + 9zx - 4y$ and $-3xz + 5x - 2xy$, then the answer is:
- $5xy + 9yz + 3zx + 5x - 4y$
 - $5xy - 9yz + 3zx - 5x - 4y$
 - $5xy + 10yz + 3zx + 15x - 4y$
 - $5xy + 10yz + 3zx + 5x - 6y$
- Q.15.** The sides of a triangle are 122 m, 22 m and 120 m respectively. The area of the triangle is:
- 1320 sq.m
 - 1300 sq.m
 - 1400 sq.m
 - 1420 sq.m
- Q.16.** The area of a triangle with given two sides 18 cm and 10 cm, respectively and a perimeter equal to 42 cm is:
- $20\sqrt{11} \text{ cm}^2$
 - $19\sqrt{11} \text{ cm}^2$
 - $22\sqrt{11} \text{ cm}^2$
 - $21\sqrt{11} \text{ cm}^2$
- Q.17.** The surface area of cuboid-shaped box having length=80 cm, breadth=40cm and height=20cm is:
- 11200 sq.cm
 - 13000 sq.cm
 - 13400 sq.cm
 - 12000 sq.cm



- Q.18.** If $(-3)^{m+1} \times (-3)^5 = (-3)^7$, then the value of m is:
- 5
 - 7
 - 1
 - 3
- Q.19.** If a polyhedron has 6 vertices and 12 edges. What is the number of faces it has?
- 6
 - 8
 - 12
 - 18
- Q.20.** Corresponding sides of two similar triangles are in the ratio of 2:3. If the area of the small triangle is 48 sq.cm, then the area of large triangle is:
- 230 sq.cm.
 - 106 sq.cm
 - 107 sq.cm.
 - 108 sq.cm
- Q.21.** If the length of a rectangle is 4 units more than its breadth & the area of the rectangle is 572 sq. units, then breadth of the rectangle is
- 22 units
 - 26 units
 - 24 units
 - 18 units
- Q.22.** To calculate the median, all the items of a series have to be arranged in a/an _____.
- Descending order
 - Ascending order
 - Ascending or descending order
 - None of the above
- Q.23.** A card is drawn from the set of 52 cards. Find the probability of getting a queen card.
- $1/26$
 - $1/13$
 - $4/53$
 - $4/13$

- Q.24.** If the probability of an event is p , the probability of its complementary event will be
- a) $p - 1$
 - b) p
 - c) $1 - p$
 - d) $1 - 1/p$
- Q.25.** If x and y are directly proportional, then which of the following is correct?
- a) $x+y=\text{constant}$
 - b) $x-y=\text{constant}$
 - c) $xy=\text{constant}$
 - d) $x/y=\text{constant}$
- Q.26.** The scale of a map is given as 1:300. Two cities are 4 km apart on the map. The actual distance between them is:
- a) 1000 km
 - b) 1100 km
 - c) 1200 km
 - d) 1300 km
- Q.27.** The factorisation of $12a^2b+15ab^2$ gives:
- a) $3ab(4ab+5)$
 - b) $3ab(4a+5b)$
 - c) $3a(4a+5b)$
 - d) $3b(4a + 5b)$
- Q.28.** The common factors of $10a$, $20b$ and $30c$ are:
- a) ab
 - b) ac
 - c) $10abc$
 - d) 10
- Q.29.** A graph that displays data that changes continuously over periods of time is called:
- a) Bar-graph
 - b) Pie-chart
 - c) Histogram
 - d) Line Graph



Q.30. In triangle ABC, if $AB=BC$ and $\angle B = 70^\circ$, $\angle A$ will be:

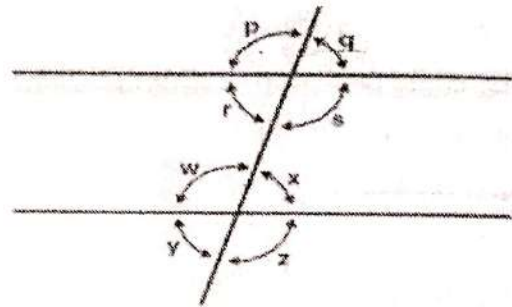
- a) 70°
- b) 110°
- c) 55°
- d) 130°

Q.31. In ΔPQR , $\angle R = \angle P$ and $QR = 4$ cm and $PR = 5$ cm. Then the length of PQ is

- a) 2 cm
- b) 2.5 cm
- c) 4 cm
- d) 5 cm

Q.32. In the given figure, which of the following are corresponding angle pairs?

- a) $\angle p$ and $\angle q$
- b) $\angle p$ and $\angle w$
- c) $\angle p$ and $\angle x$
- d) $\angle p$ and $\angle z$



Q.33. The area of a rectangle that has length = $2a^2b$ and breadth = $3ab^2$ is:

- a) $6a^3b^3$
- b) a^3b^3
- c) $2a^3b^3$
- d) $4a^3b^3$

Q.34. Which of the following is not a Pythagorean triplet.

- a) (5,6,9)
- b) (6,8,10)
- c) (8,15,17)
- d) (3,4,5)

Q.35. A card is drawn from a pack of 52 cards what is the probability that the card is red queen.

- a) $1/52$
- b) $1/13$
- c) $2/13$
- d) $1/26$

- Q.36.** Which of the following is a Hardy-Ramanujan Number
- a) 1729
 - b) 2025
 - c) 1836
 - d) 2255
- Q.37.** Let the Number of boys : Number of girls = 3:5 in a school. Then if there are 35 girls in the school. Find the no. of boys
- a) 16
 - b) 21
 - c) 30
 - d) 35
- Q.38.** The value of refrigerator which was purchased 2 years ago depreciates at 12% per annum. If its present value is Rs. 9680 for how much was it purchase 2 years ago
- a) Rs. 11800
 - b) Rs. 12000
 - c) Rs. 12500
 - d) Rs. 12800
- Q.39.** A certain sum amounts to Rs. 5832 in 2 years at 8% compounded annually. Find the sum
- a) Rs. 4000
 - b) Rs. 4500
 - c) Rs. 5500
 - d) Rs. 5000
- Q.40.** The point (-2,5) is nearer to
- a) X-axis
 - b) Y-axis
 - c) Origin
 - d) All of the above
- Q.41.** If the 3-digit number 24A is divisible by 9, the value of A is
- a) 3
 - b) 7
 - c) 2
 - d) 6



- Q.42.** If $x - 1/2 = (4x - 1)/3$ then $x =$
- a) $-1/3$
 - b) $-1/2$
 - c) $1/2$
 - d) $1/3$
- Q.43.** LCM of $1/2, 1/3, 2/5$ is
- a) $3/5$
 - b) $2/30$
 - c) $2/5$
 - d) 2
- Q.44.** If a die is rolled once, what is the probability to get a Prime Number:
- a) $1/2$
 - b) $1/3$
 - c) $2/3$
 - d) $5/6$
- Q.45.** Two coins are tossed together, what is the probability to get at least one Head.
- a) $1/4$
 - b) $1/2$
 - c) $3/4$
 - d) $2/3$
- Q.46.** If $A+B=15, B+C=17$ & $C+A=12$ then $A+B+C=$
- a) 19
 - b) 22
 - c) 24
 - d) 26
- Q.47.** Quintic polynomial is a polynomial of degree
- a) 5
 - b) 7
 - c) 9
 - d) 11
- Q.48.** The standard form of 0.000000046 is
- a) 4.6×10^{-7}
 - b) 4.6×10^{-8}
 - c) 4.6×10^{-9}
 - d) 4.6×10^{-10}

- Q.49.** The sum of all exterior angles of a pentagon is
- a) 180°
 - b) 360°
 - c) 540°
 - d) 720°
- Q.50.** The product of two numbers is 216 and the sum of their squares is 468, then the sum of the numbers is
- a) 24
 - b) 28
 - c) 30
 - d) 36

SECTION B: INTELLIGENCE/ REASONING

(Total Question – 30 Max Marks – 60)

- Q.51.** Neck is related to Tie in the same way as waist is related to
- a) Belt
 - b) Watch
 - c) Shirt
 - d) pants
- Q.52.** Thermometer: Temperature, Hygrometer:
- a) Pressure
 - b) Density
 - c) Stress
 - d) Humidity
- Q.53.** What should come in the place of question mark(?) in 6,9,12, 15, 18, ?
- a) 21
 - b) 20
 - c) 19
 - d) 22
- Q.54.** BMW, DNV, FOU, ?
- a) GHO
 - b) GPS
 - c) HPS
 - d) HPT



Q.55. Find out the odd one (Mother, Father, Wife, Grandfather)

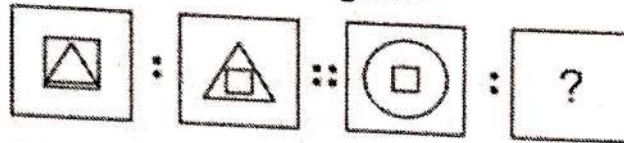
- a) Mother
- b) Father
- c) Wife
- d) Grandfather

Q.56. Find out the odd one (Gallon, Pound, Ton, Kilogram)

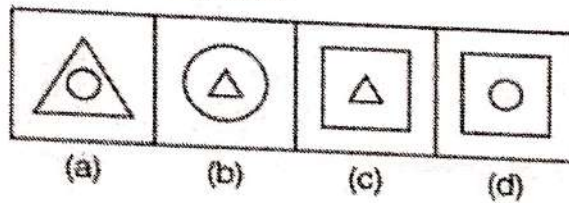
- a) Gallon
- b) Pound
- c) Ton
- d) Kilogram

Q.57. Select a figure from the set of answer figures which would replace the question mark

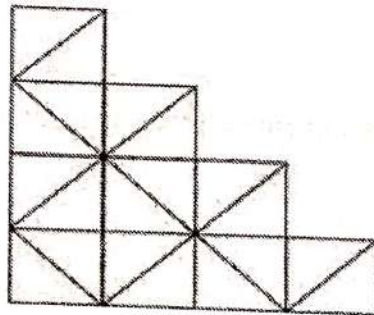
Problem Figures



Answer Figures

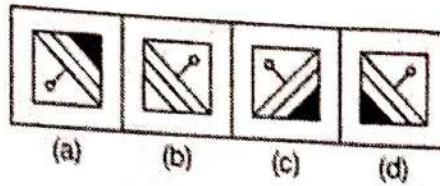
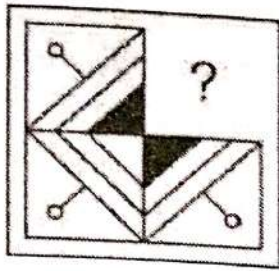


Q.58. How many squares are there in the given figure?



- a) 10
- b) 13
- c) 12
- d) 14

Q.59. Complete the following figure



Answer Figures

Q.60. Five persons are sitting in a circle facing the centre of the circle. Pramod is sitting to the right of Ranjan. Raju is sitting between Brejesh and Naveen. Raju is to the left of Brejesh and Ranjan is to right of Brejesh. Who is sitting to the left of Naveen?

- a) Pramod
- b) Raju
- c) Brejesh
- d) Rajan

Q.61. Four girls A, B, C and D are sitting around a circle facing the centre. B and C are in front of each other, which of the following is definitely true?

- a) A and D are in front of each other
- b) A is not between B and C
- c) D is to the left of C
- d) A is to the left of C

Q.62. How many times do the hands of a clock coincide in a day?

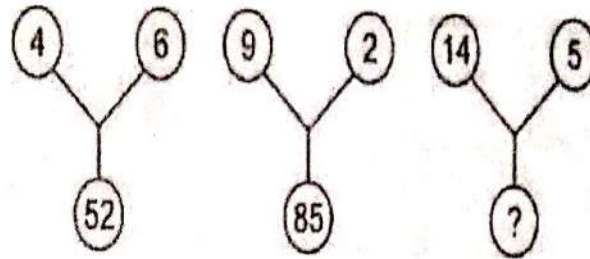
- a) 24
- b) 22
- c) 21
- d) 20

Q.63. Ravenna left house for the bus stop 15 min earlier than usual. She takes 10 min to reach the stop. She reached the stop at 8: 40 am. What time does she usually leave home for the bus stop?

- a) 8:55 am
- b) 8:45 am
- c) 8:30 am
- d) 8:05 am

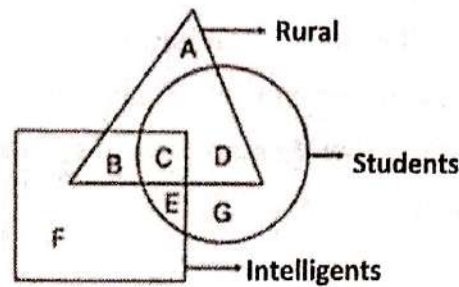
Q.64. Find the missing number in the given figure

- a) 221
- b) 95
- c) 148
- d) 67



Q.65. Find the region that represents those rural students who are not intelligent?

- a) D
- b) A
- c) B
- d) G



Q.66. Choose the odd one out. 187, 264, 386, 473, 682, 781

- a) 386
- b) 187
- c) 682
- d) 264

Q.67. Ashok starts from point P and walks 5 kms to the East. Bharat starts from the same point and walks 5 kms to the West. Now, Ashok takes a left turn and Bharat takes a right turn, and both walks 5 kms and stop. How far are the two from each other at the point where they finally stop?

- a) 10 kms
- b) 15 kms
- c) 5 kms
- d) Can't be determined

Q.68. A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. His profit percent is :

- a) No profit, No loss
- b) 5%
- c) 8%
- d) 10%

- Q.69.** A person walks 1 mile to West, turns left and walks 1 mile and again turns left and walks 1 mile. What is the direction he is facing now?
- North
 - South
 - East
 - West
- Q.70.** Laxman went 15 km to the West from house, then turned left and walked 20 km. He, then turned East and walked 25 km and finally turning left covered 20 km. How far is he now from his house?
- 15 km
 - 20 km
 - 25 km
 - 10 km
- Q.71.** The time in clock is quarter past twelve. If the hour hand points to the East, which is the direction opposite to the minute hand?
- South-West
 - South
 - West
 - North
- Q.72.** If East is replaced by South-East, then West will be replaced by which of the following directions?
- North-East
 - North
 - East
 - North-West
- Q.73.** Introducing Asha to guests, Bhaskar said, "Her father is the only son of my father". How is Asha related to Bhaskar?
- Niece
 - Grand Daughter
 - Mother
 - Daughter

Q.74. Looking at a photograph, a person said, "I have no brother or sister but that man's father is my father's son". At whose photograph was the person looking at?

- a) His son's
- b) His nephew's
- c) His father's
- d) His own

Q.75. Q is the son of P. X is the daughter of Q. R is the aunt (bua) of X and L is the son of R, then what is L's relation with P?

- a) Grandson
- b) Granddaughter
- c) Daughter
- d) Nephew

Q.76. Find the word which cannot be formed by using the letters of the given word

RECREATION

- a) RATION
- b) ACTION
- c) TORN
- d) REFER

Q.77. Find the word which cannot be formed by using the letters of the given word

TEMPERAMENT

- a) METER
- b) PETER
- c) TENTER
- d) TESTER

Q.78. How many meaningful English words can be made with the letters 'NWTI' using each letter only once in each word?

- a) One
- b) Two
- c) None
- d) Three

- Q.79.** How many meaningful English words can be made with the letters 'ERDU' using each letter only once in each word?
- a) None
 - b) One
 - c) Two
 - d) Three
- Q.80.** If 'Q denotes addition, J denotes multiplication, T denotes Subtraction & K denotes division, then $30 K 2 Q 3 J 6 T 5 = ?$
- a) 18
 - b) 28
 - c) 31
 - d) 6

SECTION C: ENGLISH

(Total Question – 20 Max Marks – 40)

Read the following passage and answer the questions that follow.

Vehicles do not move about the roads for mysterious reasons of their own. They move only because people want them to move in connection with the activities which the people are engaged in. Traffic is therefore a 'function of activities', and because, in towns, activities mainly take place in buildings, traffic in towns is a 'function of buildings'. The implications of this line of reasoning are inescapable.

- Q.81.** Line 1 of the passage means that the vehicles move on the roads
- a) for reasons difficult to explain.
 - b) to serve specific purposes of people.
 - c) in a haphazard fashion
 - d) in ways beyond our control.
- Q.82.** The author says that traffic is a 'function of activities'. He means that
- a) human activities are taking place.
 - b) human activities are dependent on traffic.
 - c) traffic is not dependent on human activities.
 - d) traffic is connected with human activities.

- Q.83.** The author suggests by his argument that
- to regulate traffic, more policemen have to be employed.
 - to regulate activities, traffic has to be controlled.
 - to regulate traffic, buildings have to be taken into consideration.
 - to understand the traffic problem, we must examine the social context in which it is found.
- Q.84.** By 'this line of reasoning', the author means
- idea contained in this line.
 - idea contained in any one line of his argument.
 - the manner of arguing.
 - this row of printed characters.
- Q.85.** The adjective form of 'boast' is :
- boastful
 - beastly
 - boasty
 - boastile
- Q.86.** The word 'avert' means:
- avoid
 - fall
 - hatred
 - degenerate
- Q.87.** Select the word that is opposite in meaning to the underlined word.
Everyone agreed that it was a piece of meticulous research.
- careless
 - careful
 - cautious
 - scrupulous
- Q.88.** Choose the correct order to make a meaningful sentence:
1. of India/ 2. than / 3. was there a / 4. Mahatma Gandhi/ 5. never in the /
6. greater man.
- 124356
 - 634521
 - 513126
 - 513624

Q.89. 'Alma Mater' is the place where one:

- a) studied
- b) married
- c) died
- d) was born

Q.90. The plural form of 'alumnus' is:

- a) alumnuses
- b) alumna
- c) alumnae
- d) alumni

Do as directed

Q.91. Fill in the blank with the appropriate option

My mother advised me to stay _____ home.

- a) in
- b) at
- c) on
- d) for

Q.92. Fill in the blank with the appropriate article

Rafiq is _____ excellent Science teacher.

- a) an
- b) a
- c) the
- d) no article

Q.93. Rearrange the following words/phrases to make a meaningful sentence by choosing the correct sequence.

Waved (A) / she (B) / greeted (C) / and (D) / cheerfully (E) / us (F)

- a) BCDFEA
- b) CADBEF
- c) ADBFEC
- d) BADCFE

Q.94. Fill in the blank with the correct option.

It was a steep _____ from the hilltop.

- a) dissent
- b) decent
- c) descent
- d) desent

Q.95. Choose the correct pronoun.

Is she the girl _____ won the first prize?

- a) that
- b) whom
- c) which
- d) who

Q.96. Choose the correct question tag.

You paid the bill, _____?

- a) won't you
- b) didn't you
- c) will you
- d) doesn't you

Q.97. Identify the type of sentence:

Mohan gave me a ten-rupee note.

- a) Declarative
- b) Imperative
- c) Exclamatory
- d) Interrogative

Q.98. Choose the correct verb.

The water _____ from the tap last night.

- a) dripping
- b) drip
- c) dripped
- d) will drip

- Q.99.** Choose the correct spelling.
- a) Appointment
 - b) Apointment
 - c) Appointmant
 - d) Appointment
- Q.100.** Choose the option that is opposite of 'EARLIER'
- a) Former
 - b) Previous
 - c) Latter
 - d) Later

SECTION D: GENERAL SCIENCE

(Total Question – 20 Max Marks – 40)

- Q.101.** Which of the following petroleum product is used as a solvent for dry cleaning clothes?
- a) Petrol
 - b) Liquefied petroleum gas
 - c) Lubricating oil
 - d) All of the above
- Q.102.** What is the primary element of liquefied petroleum gas and compressed natural gas?
- a) Butane and hexane
 - b) Methane and hexane
 - c) Methane and butane
 - d) All of the above
- Q.103.** What is the main chemical component present in striking surface of a matchbox?
- a) Potassium chlorate
 - b) Phosphorus
 - c) Potassium
 - d) Graphite



- Q.104.** The SI unit of the calorific value of a fuel is:-
- a) N/kg
 - b) KJ/kg
 - c) KW/kg
 - d) J/kg
- Q.105.** This cell organelle does not contain DNA
- a) Nucleus
 - b) Mitochondria
 - c) Lysosomes
 - d) Chloroplast
- Q.106.** The organelle serving as a primary packaging area for molecules that will be distributed throughout the cell is
- a) Vacuole
 - b) Plastids
 - c) Mitochondria
 - d) Golgi apparatus
- Q.107.** A dioecious flowering plant prevents
- a) Geitonogamy and xenogamy
 - b) Autogamy and xenogamy
 - c) Autogamy and geitonogamy
 - d) Cleistogamy and xenogamy
- Q.108.** Functional megaspore in an angiosperm develops into
- a) Endosperm
 - b) Embryo
 - c) Embryo-sac
 - d) Ovule
- Q.109.** During dry weather, while combing hair, sometimes we experience hair flying apart. The force responsible for this is
- a) force of gravity.
 - b) electrostatic force.
 - c) the force of friction.
 - d) magnetic force.



- Q.110.** Which one of the following forces is a contact force?
- force of gravity
 - force of friction
 - magnetic force
 - electrostatic force
- Q.111.** The distance which compression or a rarefaction travels per unit of time gives———
- The density of sound wave
 - Speed of sound
 - Wavelength of sound
 - Frequency of sound
- Q.112.** The phenomenon where a sound produced is heard again due to reflection is called ——
- Sound bounce
 - Mirage
 - An echo
 - Interference
- Q.113.** The dispersive power of prism depends upon
- The shape of the prism
 - The material of the prism
 - The angle of the prism
 - Height of the prism
- Q.114.** Aluminium is used for making cooking utensils. Which of the following properties of aluminium are responsible for the same?
- Good thermal conductivity
 - Good electrical conductivity
 - Ductility
 - High melting point
- (i) and (ii)
 - (i) and (iii)
 - (ii) and (iii)
 - (i) and (iv)

- Q.115.** In order to take precautionary steps to control dengue, we must take measures to stop the breeding of:
- a) Aedes mosquito
 - b) Fleas
 - c) Fire ants
 - d) Anopheles mosquito
- Q.116.** Two charged objects are brought close to each other. Choose the most appropriate statement from the following options:
- a) they may attract
 - b) they may repel
 - c) they may attract or repel depending on the type of charges they carry
 - d) there will be no effect
- Q.117.** If we apply oil on door hinges, the friction will
- a) increases
 - b) decreases
 - c) disappear altogether
 - d) will remain unchanged
- Q.118.** In a large commercial complex, there are four ways to reach the main road. One of the paths has loose soil, the second is laid with polished marble, the third is laid with bricks and the fourth has a gravel surface. It is raining heavily and Paheli wishes to reach the main road. The path on which she is least likely to slip is
- a) loose soil.
 - b) polished marble.
 - c) bricks.
 - d) gravel.
- Q.119.** The Green Revolution was successful in Punjab, Haryana, _____ and parts of Rajasthan.
- a) Western Uttar Pradesh
 - b) Eastern Uttar Pradesh
 - c) Madhya Pradesh
 - d) Gujarat

Q.120. Rice is a Kharif crop that requires high temperature (above 25°C) and high humidity with annual rainfall above ____.

SERIES-A

- a) 100 cm
- b) 200 cm
- c) 150 cm
- d) 50 cm

SECTION E: SOCIAL SCIENCE / GENERAL KNOWLEDGE

(Total Question – 15 Max Marks – 30)

Q.121. World Environment day is celebrated on?

- a) 5th June
- b) 5th July
- c) 5th May
- d) 5th April

Q.122. The Taj Mahal is made of

- a) Black marble
- b) White marble
- c) Grey marble
- d) None of these

Q.123. The place on the surface above the focus is called the

- a) Vent
- b) Earthquake
- c) Cater
- d) Epicenter

Q.124. The organic waste is decomposed by bacteria in bio-gas digesters to emit bio-gas, which is essentially a mixture of

- a) Methane & Helium
- b) Methane & Oxygen
- c) Methane & CO₂
- d) Methane & Hydrogen

Q.125. In June 1992, more than 100 heads of state met in _____ in Brazil for the first International Earth Summit.

- a) Rio de Janeiro
- b) São Paulo
- c) Brasilia
- d) Curitiba

Q.126. Which one of the following river flows between Vindhyan and Satpura ranges?

- a) Narmada
- b) Mahanadi
- c) Son
- d) Netravati

Q.127. The Central Rice Research Station is situated in?

- a) Chennai
- b) Cuttack
- c) Bangalore
- d) Quilon



- Q.128.** Who among the following wrote Sanskrit grammar?
a) Kalidasa
b) Charak
c) Panini
d) Aryabhata
- Q.129.** Which among the following is the head streams river Ganga?
a) Aadibal
b) Pindar
c) Mandakini
d) Bhagirathi
- Q.130.** The metal whose salts are sensitive to light is?
a) Zinc
b) Silver
c) Copper
d) Aluminum
- Q.131.** Who among the following European powers were first to land in India
a) Portuguese
b) Dutch
c) English
d) France
- Q.132.** The term *Firangi* in 19th century India was given to
a) British
b) Portuguese
c) Dutch
d) All the European Foreigners
- Q.133.** The famous Sepoy mutiny of 1857 was first started in
a) Lucknow
b) Meerut
c) Delhi
d) Bareilly
- Q.134.** Which act transferred the powers of East India Company to British crown
a) Act-1858
b) Act-1909
c) Act-1999
d) Act-1772
- Q.135.** The Intensity of sound is measured by which of the following instrument.
a) Decibel meter
b) Odometer
c) Nanometre
d) Ammeter