

J&K SAINIK SCHOOL MANASBAL

TEST BOOKLET - VI

ROLL NUMBER

Test Booklet No. & Series

110197

110197

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 (24 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 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.

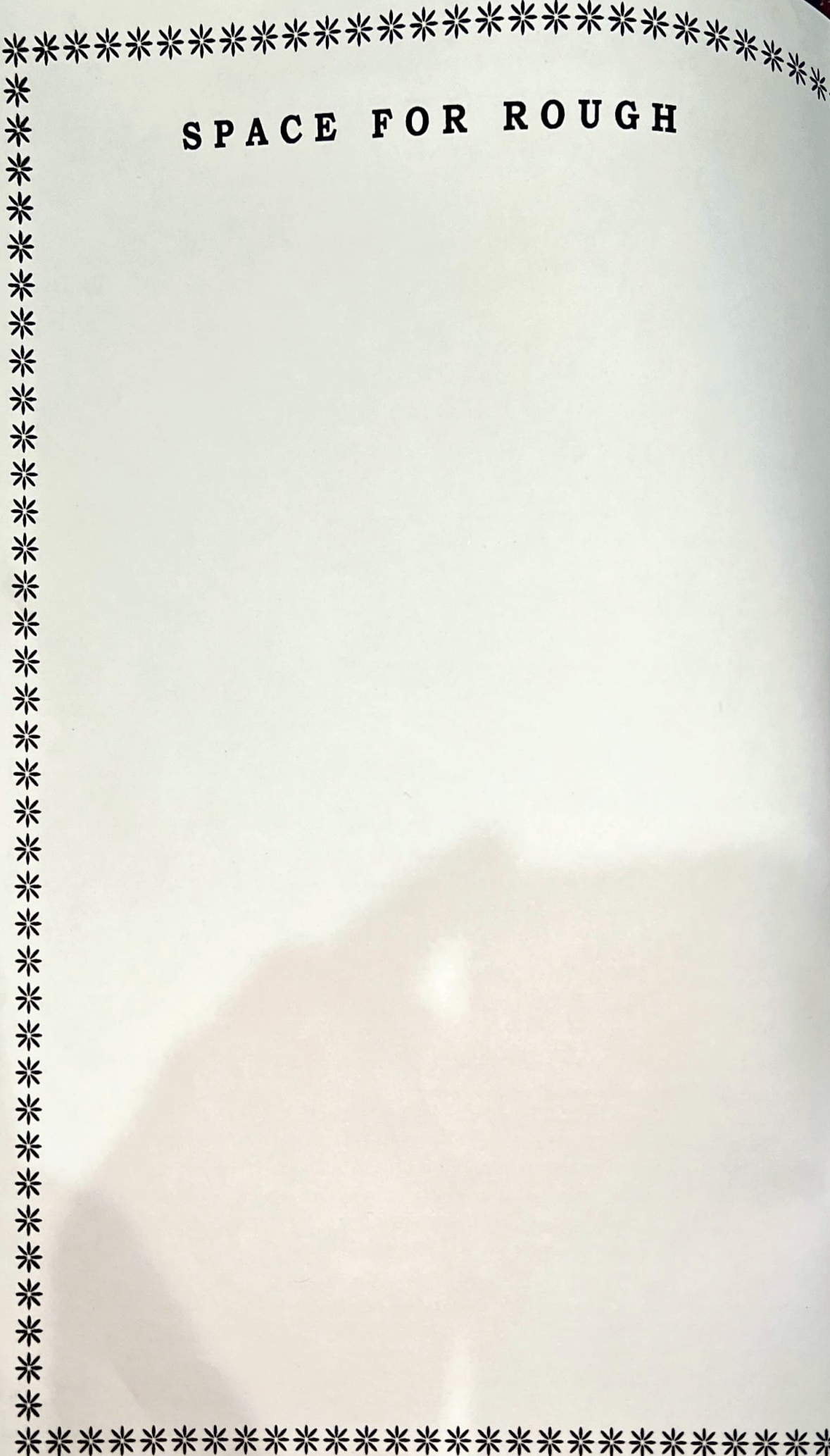


5. Overwriting, erasing or cutting on OMR is not allowed. Using of correction fluid/whitener is also not allowed on OMR.
6. Rough work must be done only on this Booklet at the portion specified for the same.
7. The time allowed is 150 minutes.
8. There is no Negative marking.
9. A candidate is eligible 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

SEAL



SPACE FOR ROUGH

SECTION A: MATHEMATICS**(Total Question – 45 Max Marks – 90)**

- Q No. 1.** The predecessor of 88899025 is
- (a) 88899024 (b) 88889024
(c) 88899026 (d) 88999023
- Q No. 2.** Product of Place value and face value of 7 in 57930 is
- (a) 49,000 (b) 70,000
(c) 57,000 (d) 59,000
- Q No. 3.** The HCF of two numbers is 9. Which one can't be their LCM?
- (a) 54 (b) 36
(c) 48 (d) 63
- Q No. 4.** HCF of two numbers is 6 and their LCM is 432. If one of the number is 48, the other number is
- (a) 54 (b) 42
(c) 27 (d) 44
- Q No. 5.** The cost of 200 gram Palm oil is Rs. 1080. The cost of 1 Kg Oil is
- (a) Rs. 5000 (b) Rs. 5400
(c) Rs. 6150 (d) Rs. 6400
- Q No. 6.** A boat covers a distance of 512 km. in 16 hours, how much distance is covered in 1 hour?
- (a) 32 km (b) 51 km
(c) 80km (d) 95 km
- Q No. 7.** $\frac{7}{8}$ is _____
- (a) Proper fraction (b) Improper fraction
(c) Unit fraction (d) Mixed fraction
- Q No. 8.** Simplest form of $\frac{4}{20}$ is
- (a) $\frac{2}{10}$ (b) $\frac{1}{5}$
(c) $\frac{4}{5}$ (d) $\frac{1}{10}$

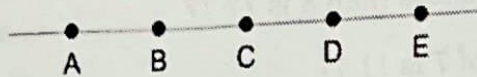
Q No. 21. Mahesh borrowed Rs.6500 at the rate of 7% p.a. for 146 days. Find the interest and amount he paid.

- (a) Interest = Rs.182 Amount= Rs.6682
- (b) Interest = Rs.160 Amount = Rs.6682
- (c) Interest = RS.165.82 Amount = RS.6755.82
- (d) None of these

Q No. 22. At what rate percent per annum will a sum. Double itself in 10 years?

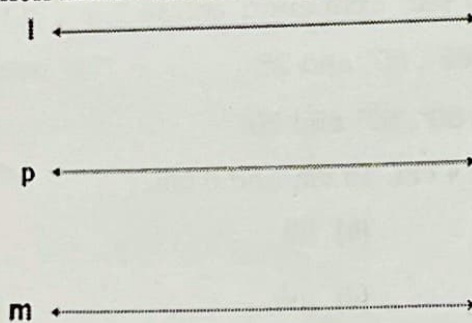
- (a) 12%
- (b) 15%
- (c) 20%
- (d) 10%

Q No. 23. The number of line segments in the given figure is



- (a) 5
- (b) 10
- (c) 15
- (d) 20

Q No. 24. As shown in below diagram, if two lines l and m are parallel to third line p, then lines l and m are _____



- A
- (a) Perpendicular
 - (b) Parallel
 - (c) Intersecting
 - (d) Non Intersecting

Q No. 25. In Celsius unit, normal temperature of human body is:

- (a) 37°C
- (b) 40°C
- (c) 35°C
- (d) 39°C

Q No. 26. At which temperature, the Celsius and Fahrenheit Scales will read the same

- (a) -10°C
- (b) 10°C
- (c) -40°C
- (d) 40°C

Q No. 40. Arrange 0.34 km, 56000 cm, 310000 mm and 1600m in descending order:

- (a) $1600\text{m} > 0.34\text{km} > 310000\text{mm} > 56000\text{cm}$
- (b) $56000\text{cm} > 0.34\text{km} > 1600\text{m} > 310000\text{mm}$
- (c) $1600\text{m} > 56000\text{cm} > 0.34\text{km} > 310000\text{mm}$
- (d) $0.34\text{km} > 310000\text{mm} > 1600\text{m} > 56000\text{cm}$

Q No. 41. Find the distance covered by a train in the month of December, if it is travelling without stopping for a single minute continuously at the speed of 68km/h.

- (a) 37290km
- (b) 12740km
- (c) 64280km
- (d) 50592km

Q No. 42. Sum of the newly formed numbers form the greatest and smallest 6-digit number using the digits 8, 1, 0, 4, 3 and 5.

- (a) 957768
- (b) 810435
- (c) 8543210
- (d) 9845210

Q No. 43. The measure of two complementary angles are $(2x - 7)^\circ$ and $(x + 4)^\circ$. Find the value of x.

- (a) 30°
- (b) 31°
- (c) 45°
- (d) 41°

Q No. 44. While arranging the given fractions from greatest to least, which fraction will be at third place from the last?

$$\frac{2}{3}, \frac{1}{6}, \frac{5}{7}, \frac{3}{5}$$

- (a) $\frac{3}{5}$
- (b) $\frac{1}{6}$
- (c) $\frac{5}{7}$
- (d) $\frac{2}{3}$

Q No. 45. The mixed fraction $5\frac{3}{7}$ can be expressed as:

- (a) $\frac{15}{7}$
- (b) $\frac{22}{7}$
- (c) $\frac{32}{7}$
- (d) $\frac{38}{7}$

SECTION B: INTELLIGENCE/ REASONING
(Total Question - 35 Max Marks - 70)

SERIES-A

Q No. 46. What number will follow the given series of numbers: 3, 6, 11, ___?

- (a) 13 (b) 16
(c) 18 (d) 22

Q No. 47. Architect : Building :: Sculptor : ?

- (a) Statue (b) Stone
(c) Chisel (d) Museum

Q No. 48. AZBY : CXDW :: EVFU : ?

- (a) TGSH (b) GHTS
(c) GSTH (d) GTHS

Q No. 49. Race : Fatigue :: Fast : ?

- (a) Hunger (b) Laziness
(c) Food (d) Race

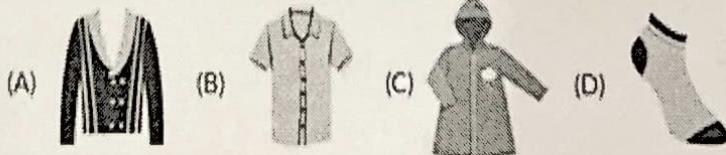
Q No. 50. Master : OCUVGT :: LABOUR : ?

- (a) NDERWT (b) NCDQWT
(c) NBERWT (d) NEDRWT

Q No. 51. Eyes : Tongue : Ear

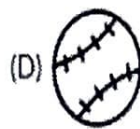
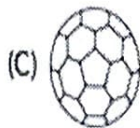
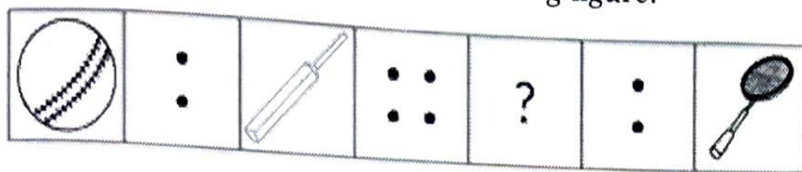
- (a) Thumb (b) Finger
(c) Knee (d) Nose

Q No. 52. Find the odd one out.



- (a) (A) (b) (B)
(c) (C) (d) (D)

Q No. 53. There is a certain relationship between the pair of figures on either side of \therefore . Identify the relation and find the missing figure.



(a) (A)

(b) (B)

(c) (C)

(d) (D)

Q No. 54. 282, 354, 444, ?

(a) 336

(b) 453

(c) 417

(d) 255

Q No. 55. 122 : 170 :: 290 : ?

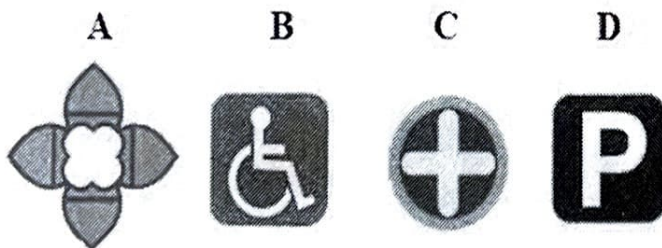
(a) 362

(b) 299

(c) 341

(d) 315

Q No. 56. Which among the following pictures will look the same on half a turn? (180 degree)



(a) A and C

(b) A and D

(c) D and C

(d) None of these

Q No. 57. Spot the odd one out: 16, 25, 36, 45, 64

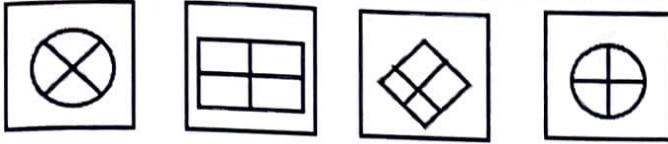
(a) 16

(b) 25

(c) 45

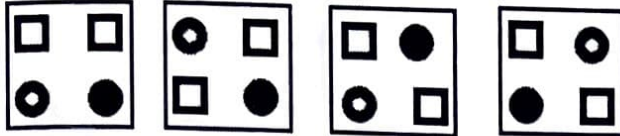
(d) 64

Q No. 65. Choose the figure which is different from the rest?



- (A) Figure A (B) Figure B
 (c) Figure C (d) Figure D

Q No. 66. Choose the figure which is different from the rest?



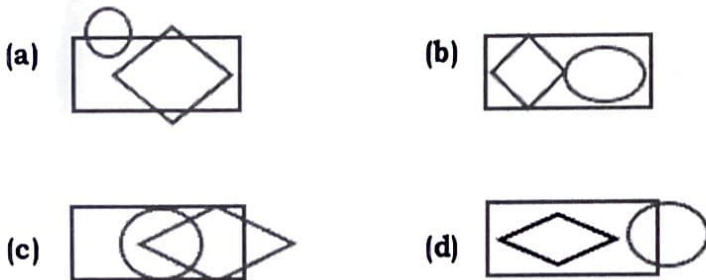
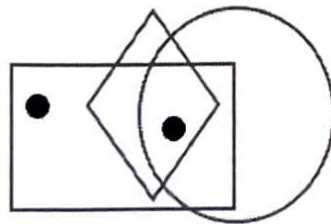
- (A) Figure A (b) Figure B
 (c) Figure C (d) Figure D

Q No. 67. Choose the figure which is different from the rest?

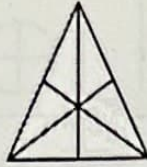


- (a) Figure A (b) Figure B
 (c) Figure C (d) Figure D

Q No. 68. Identify the figure which satisfies the same condition of placement of dots as in given figure.



Q No. 69. Find the number of triangles in the given figure.



- (a) 16 (b) 13
(c) 9 (d) 7

Q No. 70. Find the odd one out.

- (a) BEK (b) CFL
(c) MPS (d) GJP

Q No. 71. If 'white' is called 'yellow', 'yellow' is called 'blue', 'blue' is called 'red', 'red' is called 'black', 'black' is called 'violet' and 'violet' is called 'green', then what would be the colour of light emitting from bulb?

- (a) Blue (b) Red
(c) Yellow (d) Black

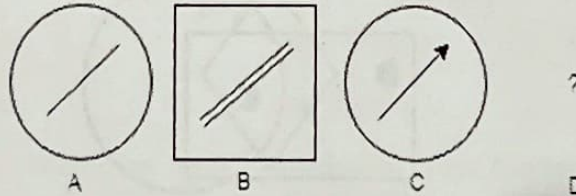
Q No. 72. Find the next number in the series: 61, 52, 63, 94, 46,....?

- (a) 81 (b) 18
(c) 49 (d) 35

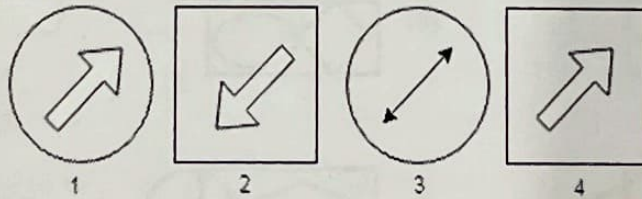
Q No. 73. Identify the wrong number in the series. 0, 1, 1, 2, 3, 5, 8, 13, 20, 34?

- (a) 8 (b) 20
(c) 13 (d) 34

Q No. 74. Problem figures



Answer figures



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

Q No. 75. Choose the word which is different from the rest.

- (a) Chicken (b) Snake
(c) Swan (d) Crocodile

Q No. 76. Which alternative will replace the question mark?

Cup: Lip :: Bird:?

- (a) Bush (b) Grass
(c) Forest (d) Beak

Q No. 77. In a certain language, BOOK is written as 4300, MATE is written as 3900. Then 1600 will represent which word out of given alternatives?

- (a) GOOD (b) WOOD
(c) CRAB (d) CAGE

Q No. 78. Look at this series: 8, 6, 9, 23, 87,... What number should come next?

- (a) 126 (b) 224
(c) 324 (d) 429

Q No. 79. A1, B2, C3, D4, -----

- (a) D5 (b) G5
(c) F5 (d) E5

Q No. 80. If you start with the number 2 and keep adding 2, what sequence are you creating?

- (a) Even numbers (b) Prime numbers
(c) Odd numbers (d) Square numbers

SECTION C: ENGLISH

(Total Question - 20 Max Marks - 40)

Read the passage and answer the questions by choosing appropriate options

Many years ago there lived a great king named Jahangir in India. He ruled a very large kingdom or empire. So he was called the emperor. The emperor wanted to be fair to all his subjects. He ordered his soldiers to build a big bell in front of the palace. He then sent troops to every part of the empire. They announced that if people had any complaints they could come to the palace and ring the bell. The emperor himself used to listen to their complaints. He would give them justice.

- Q No. 81.** What was the name of the great king who lived many years ago in India?
 (a) Jahangir (b) Akbar
 (c) Shah Jahan (d) Aurangzeb
- Q No. 82.** What was the title of the king?
 (a) King (b) Emperor
 (c) Maharaja (d) Sultan
- Q No. 83.** What did the emperor order his soldiers to do in front of the palace?
 (a) Build a big bell (b) Build a palace
 (c) Build a big wall (d) Build a big mosque
- Q No. 84.** How did the emperor ensure fairness to all his subjects?
 (a) By building a big bell in front of the palace
 (b) By sending troops to every part of the empire
 (c) By listening to complaints from the people
 (d) All of the above
- Q No. 85.** Who used to listen to the complaints of the people?
 (a) The emperor himself (b) The soldiers
 (c) The courtiers (d) The priests
- Q No. 86.** A thief broke _____ the house.
 (a) Into (b) To
 (c) In (d) From
- Q No. 87.** _____ French defeated _____ Germans.
 (a) A, a (b) An, the
 (c) The, the (d) An, an
- Q No. 88.** The students _____ the teacher's day for twenty years of dedicated teaching
 (a) Facilitated (b) Fantasized
 (c) Fecilitated (d) Felicitated
- Q No. 89.** Choose the transitive verb in the following: "She baked a delicious cake."
 (a) She (b) Delicious
 (c) Baked (d) Cake

- Q No. 90.** _____ life style is unhealthy'
(a) Their (b) There
(c) They (d) All of them
- Q No. 91.** Add a question tag to the below sentence.
She can walk, _____?
(a) Can't her (b) Can she
(c) Can't she (d) Can her
- Q No. 92.** What type of sentence is this? "Pepperoni Pizza is my favorite food"
(a) Imperative (b) Declarative
(c) Interrogative (d) Exclamatory
- Q No. 93.** My mother _____ clothes tomorrow evening.
(a) Will wash (b) Was washing
(c) Could washing (d) Are washing
- Q No. 94.** Identify the type of noun underlined below: "I have read many books so far".
(a) Abstract (b) Common
(c) Collective (d) Material.
- Q No. 95.** ' Those keys are mine.' What type of pronoun is the word 'mine'?
(a) Reflexive (b) Relative
(c) Possessive (d) None of these
- Q No. 96.** Choose the option with the correct spelling of the word:
(a) Yeald (b) Yiald
(c) Yield (d) Yeild
- Q No. 97.** Choose the sentence with the correct order of words:
(a) Night was movie watching a I last.
(b) Night last was a movie I was watching
(c) I was watching a movie last night
(d) A last night movie I was watching.

Q No. 98. Pick the feminine gender of 'Buck'

- (a) Doe (b) Ewe
(c) Cow (d) Mare

Q No. 99. Choose the incorrect option:

- (a) Eye- eyes (b) Child- children's
(c) Dress- dresses (d) Cat- cats

Q No. 100. Choose the synonym of the word 'Abolish'

- (a) Allow (b) Defend
(c) Create (d) Destroy

SECTION D: GENERAL SCIENCE

(Total Question - 20 Max Marks - 40)

Q No. 101. Out of the following statements, which one is NOT true about nutrients in milk:

- (a) Milk is a good source of protein
(b) Milk is a good source of Vitamin D
(c) Milk is a good source of Vitamin C
(d) Milk is a good source of Calcium

Q No. 102. Anubhav's doctor has recommended him to take Iron supplements due to his symptoms of weakness and fatigue. Which nutrient deficiency is likely causing Anubhav's condition?

- (a) Rickets (b) Pellagra
(c) Scurvy (d) Anaemia

Q No. 103. Which is a natural fiber?

- (a) Silk (b) Nylon
(c) Rayon (d) All of these

Q No. 104. Which among the three states of matter has a definite shape and size?

- (a) Solids (b) Liquids
(c) Gases (d) All of the above

- Q No. 105.** Butter is separated from milk by
- (a) Sedimentation (b) Filtration
(c) Churning (d) Decantation
- Q No. 106.** Which of the following changes can be reversed?
- (a) Raw egg to boiled egg (b) Wet clothes to dry clothes
(c) Bud to flower (d) Cow dung to biogas
- Q No. 107.** Which part of the plant is responsible for photosynthesis?
- (a) Root (b) Stem
(c) Leaf (d) Flower
- Q No. 108.** How many bones are there in back bone?
- (a) 33 (b) 23
(c) 43 (d) 39
- Q No. 109.** Which of the following is not a component of a balanced diet?
- (a) Processed food (b) Lean protein sources
(c) Fruit and vegetables (d) Whole grains
- Q No. 110.** Which of the following is a natural magnet?
- (a) Bar magnet (b) Horseshoe magnet
(c) Lodestone (d) Electromagnet
- Q No. 111.** Which of the following is not attracted by a magnet?
- (a) Iron nail (b) Cobalt rod
(c) Nickel coin (d) Copper wire
- Q No. 112.** In the water cycle clouds are formed due to
- (a) Condensation (b) Evaporation
(c) Solution formation (d) None of the above
- Q No. 113.** What is the percentage composition of Nitrogen in air?
- (a) 78% (b) 21%
(c) 0.03% (d) 4%
- Q No. 114.** Which of the following is an example of biodegradable waste?
- (a) Can of Pepsi (b) Aluminium foil
(c) Half eaten apple (d) Handle of a cooker

Q No. 115. Which of the following is not an abiotic component?

- (a) Temperature (b) Rainfall
(c) Humidity (d) Animal

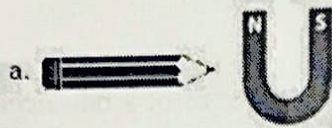
Q No. 116. As the sun rises in the sky, the shadow of the building:

- (a) Widens (b) Shortens
(c) Darkens (d) Lengthens

Q No. 117. When we are on a moving bus and look at the other passengers on the bus, what do we conclude about their motion?

- (a) They are in motion. (b) They are at rest.
(c) They are jumping. (d) They are asleep.

Q No. 118. Which group of items are conductors?



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

Q No. 119. Which of the following is a product obtained from bees?

- (a) Cheese (b) Honey
(c) Yogurt (d) Eggs

Q No. 120. Which animals are not seen in winters?

- (a) Birds (b) Langurs
(c) Lizards (d) All of them

SECTION E: SOCIAL SCIENCE / GENERAL KNOWLEDGE

(Total Question - 15 Max Marks - 30)

Q No. 121. Sheetal Devi an Indian para-archer from Jammu won-----medal in the mixed team compound event at the 2024 Paralympics in Paris.

- (a) Gold (b) Silver
(c) Bronze (d) None of these

Q No. 122. The first Chief Minister of Union Territory of Jammu and Kashmir is:

- (a) Mehbooba Mufti (b) Omar Abdhullah
(c) Ghulam Nabi Azad (d) Ravinder Raina

Q No. 123. Match the following:

Column A

Column B

(i) Elephant

A. Puppy

(ii) Dog

B. Kitten

(iii) Cat

C. Cub

(iv) Lion

D. Calf

(a) (i) D (ii) A (iii) B (iv) C

(b) (i) B (ii) C (iii) D (iv) A

(c) (i) C (ii) D (iii) B (iv) A

(d) (i) D (ii) B (iii) A (iv) C

Q No. 124. Which instrument is not related to current?

- (a) Ammeter (b) Calorimeter
(c) Voltmeter (d) Galvanometer

Q No. 125. The Sun Temple, Konark, is dedicated to which Hindu deity?

- (a) Lord Vishnu (b) Lord Shiva
(c) Lord Brahma (d) Lord Surya (Sun)

Q No. 126. Least polluting fuel for vehicles _____.

- (a) Petrol (b) Diesel
(c) Kerosene (d) CNG

Q No. 127. Harappans did not know the use of:

- (a) Copper (b) Iron
(c) Gold (d) Bronze.

- Q No. 128.** Cultivation of two or more crops in the same time is called:
- (a) Sowing (b) Harvesting
(c) Mixed Cropping (d) Crop Rotation
- Q No. 129.** Where is the headquarter of central Army?
- (a) Lucknow (b) Kolkata
(c) Pune (d) Udhampur
- Q No. 130.** Which of following is the highest literary award in India?
- (a) Jnanpith Award (b) Sahitya Akademi Award
(c) Sarswati Samman (d) Kalidass Samman
- Q No. 131.** The United Nation Day is celebrated on:
- (a) 24th October (b) 15th April
(c) 12th January (d) 22nd February
- Q No. 132.** ----- is a traditional rainwater harvesting technique of Rajasthan?
- (a) Bavadi (b) Kuari
(c) Khadin (d) Taanka
- Q No. 133.** Which of the following Vedas is based on the praises of the Gods?
- (a) Rigveda (b) Samaveda
(c) Yajurveda (d) Atharvaveda
- Q No. 134.** Lohri is celebrated in which month of the year?
- (a) April (b) January
(c) July (d) September
- Q No. 135.** The right to vote enables people to elect their
- (a) Law (b) Parliament
(c) Constitution (d) Representatives

S P A C E F O R R O U G H