

6th Std. – ENGLISH QUESTION BOOKLET



THE GREATER BOMBAY SCIENCE TEACHERS' ASSOCIATION
DR. HOMI BHABHA BALVAIDNYANIK COMPETITION
2022-23

DATE OF EXAMINATION : 26 NOVEMBER 2022

TIME : ONE HOUR THIRTY MINUTES

MARKS : 100

EXAM SEAT NO. :

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EXAMPLE

2 परीक्षार्थी बैठक क्रमांक EXAM SEAT NO.									
9	2	7	0	1	8	3	5	4	9
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9
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IMPORTANT

Please write your Exam Seat No. in the row of boxes in column No. 2 of your ANSWERSHEET and darken the oval that corresponds to each of the numerals as shown in the example, using black ball point pen.

INSTRUCTIONS:

1. Write your Exam Seat No. on this test booklet in the space provided above.
2. This test booklet contains 100 Questions.
3. Each question carries 1 mark.
4. Check to make sure that you have received the appropriate test booklet for your standard/medium.

001. Identify fossil fuels among the following.

1. CNG 2. Biogas 3. Wood 4. Petrol
- A) 1 and 2 B) 1 and 3
C) 1 and 4 D) 2 and 4

002. Arrange the following in chronological order:

- 1) Copper Age 2) Iron Age 3) Stone Age
- A) 1, 2, 3 B) 1, 3, 2
C) 3, 1, 2 D) 3, 2, 1

003. _____ is the first domesticated animal.

- A) Dog B) Cat
C) Horse D) Cow

004. Which statement among the following is not beneficial to the environment?

- A) Conserving the environment
B) Inculcating scientific temper
C) Altering environment as per human needs
D) Safeguard public property

005. Which property among the following is not physical ?

- A) Solubility B) Fluidity
C) pH D) Taste and colour

006. Water is important in human body because _____.

- A) It helps in digestion B) It helps to remove waste material
C) It controls body temperature D) All of above

007. $75^{\circ}\text{C} = \text{_____}^{\circ}\text{K}$

- A) 75 B) 348
C) 198 D) 373

008. If a pearl necklace breaks and pearls fall to the ground, identify the type of motion of each pearl on the ground.

- A) Linear motion B) Oscillatory motion
C) Random motion D) Periodic motion

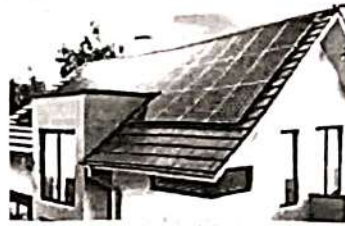
009. Find non renewable energy source :-



P



Q



R



S

- A) P
B) Q
C) R
D) S

010. When sound is reflected from any surface, then-

- A) Angle of incidence < Angle of reflection
B) Angle of incidence = Angle of reflection
C) Angle of incidence is 90°
D) Angle of incidence > Angle of reflection

011. Umbra is formed by _____.

- A) Opaque object
B) Translucent object
C) Transparent object
D) Translucent object and Transparent object

012. Which climate is responsible for spoilage of food grains?

- A) Hot and dry
B) Cold and dry
C) Hot and humid
D) Cold and humid

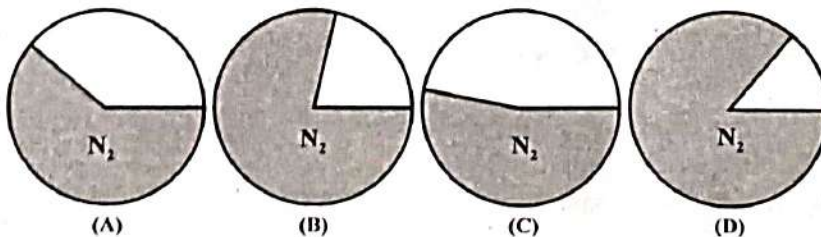
013. Which of the following is not a property of Jute?

- A) Strong
B) Biodegradable
C) Durable
D) Softness

014. Which of the following plants has edible roots and leaves?

- A) Potato
B) Cabbage
C) Radish
D) Mustard

015. Identify a correct picture that shows the proportion of Nitrogen in air.



016. Which stage in a life cycle of butterfly is a nuisance according to humans.

- A) Egg
B) Caterpillar
C) Cocoon
D) Butterfly

017. 'P' is an inner planet and it rotates from east to west. Name the planet 'P'.
 A) Venus
 B) Jupiter
 C) Mercury
 D) Uranus

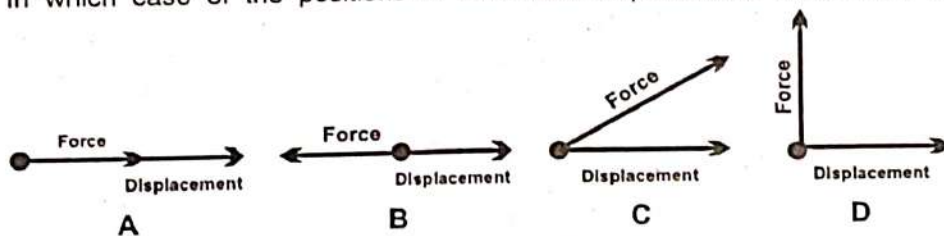
018. Identify the correlation and choose the correct alternative.
 Homo Habilis: _____ :: Homo Erectus: Human with a vertebral column
 A) Strong human
 B) Human using hands skillfully
 C) Intelligent human
 D) Primitive man

019. Choose a wrong statement with respect to the equator.
 A) Equator is the longest latitude.
 B) Equator has day and night of 12 hours each.
 C) Equator is entirely part of the lithosphere.
 D) Equator divides the earth in northern and southern hemispheres.

020. Which of the following types of pollution is increased due to modern lifestyle?
 A) Natural pollution
 B) Industrial pollution
 C) Pollution due to transport
 D) Water pollution

021. A spoonful of powdered sugar is added to some water. Then a pinch of turmeric powder is added and the mixture is stirred well. The colour changed to Red. Identify the adulterant in powdered sugar?
 A) Sodium Chloride
 B) Sodium Carbonate
 C) Sodium Sulphate
 D) Rice Flour

022. In which case of the positions of force and displacement, work won't be done?



- A) A
 B) B
 C) C
 D) D

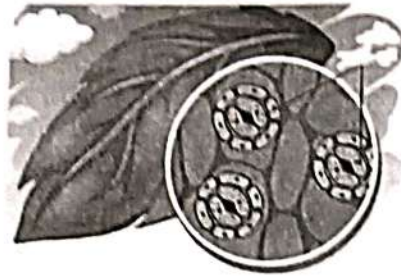
023. Ramesh, Sampada, Ajay and Smita do the following activity with the strip of magnet. Which step is useful for the safety of the magnet.
 A) Ramesh heats up the bar magnet.
 B) Sampada keeps soft iron plates on both poles.
 C) Ajay hits the bar magnet with a hammer.
 D) Smita throws magnet from the height again and again.
024. Which disease is caused due to infection of H5N1 virus ?
 A) AIDS
 B) Swine Flue
 C) Bird Flue
 D) Cholera

025. The tallest and longest mountain of our solar system is on _____ planet.
- A) Earth
 - B) Jupiter
 - C) Mars
 - D) Venus
026. 180 Second : 3 Minutes :: 138 Minutes : _____ Hours.
- A) 2.3
 - B) 2.18
 - C) 2.5
 - D) 2.4
027. Choose a correct statement about plants.
- A) They don't respire during day time.
 - B) They carry out photosynthesis in the day and respiration in the night.
 - C) They carry out photosynthesis and respiration in the day and respiration in the night.
 - D) Roots absorb water during day time.
028. Which force is required for painting, dusting with cloth, writing and scrubbing?
- A) Gravitational Force
 - B) Friction Force
 - C) Static Electric Force
 - D) Magnetic Force
029. Why do tigers live in the jungle?
- A) It is a wild animal.
 - B) It is scared of humans.
 - C) It likes a jungle.
 - D) All it's needs are fulfilled in the jungle.
030. Identify the wrong statement from the following statements.
- A) Our body gets roughage from fruit skins and leafy vegetables.
 - B) Minerals are required for the growth of our body.
 - C) Our body receives energy from carbohydrates.
 - D) Deficiency of minerals can cause diseases.
031. New day on the earth begins from which ocean?
- A) Pacific
 - B) Indian
 - C) Atlantic
 - D) Antarctic

032. Select the correct alternative for E and F with respect to characteristics of living things.



E



F

- A) Reproduction - Respiration
- B) Excretion - Growth
- C) Responsiveness to stimulus - Respiration
- D) Excretion - Reproduction

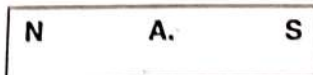
033. In which irrigation system do we get the following benefits?

- 1) 30 to 80% of water can be saved.
 - 2) Aeration of the soil is preserved.
 - 3) Fertilizers reach to the roots directly.
 - 4) Water is supplied to the crop and not the soil.
- A) Water through channels
 - B) Sprinkle irrigation
 - C) Drip irrigation
 - D) Farm Lake

034. When clothes dry up, _____ happens.

- A) Boiling
- B) Evaporation
- C) Condensation
- D) Sublimation

035. Ramesh moves a magnet in the sand containing iron pins. In this action, what should be the observation of the pins which stuck to the magnet.



- A) Increases from A to S and decreases till N.
- B) Goes on decreasing from A toward's both ends.
- C) Decreases from A to S and Increases till N.
- D) Will increase from A till the both ends.

036. Which quantity will be different in 1 Kg iron and 1 Kg cotton?

- A) Weight
- B) Volume
- C) Mass
- D) Gravitational force

037. A water tank supplying water to the village is built on a hill so that –

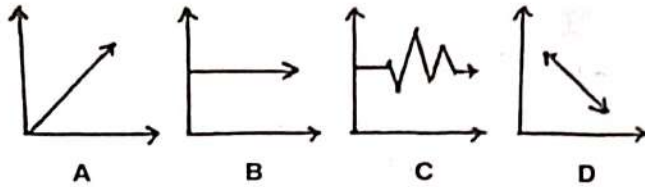
- A) it is visible.
- B) it is safe.
- C) water can reach the entire village.
- D) more water can be stored.

038. Identify the correlation.
Mango Poli (Aam Papad) : Ratnagiri :: Orange Burfi : -P- :: Raisins : Q
- A) Nagpur - P, Sangli - Q B) Nashik - P, Dhule - Q
C) Nagpur - P, Pune - Q D) Akola - P, Nagpur - Q

039. What one should do if he is present at the place of landslide.
- A) Find shelter nearby. B) Stay in a vehicle.
C) Go away from such place. D) Call the help centres.

040. Which of the following forces affect on object without touching it?
- P) Gravitational force Q) Magnetic force
R) Muscular force S) Static electric force
- A) P, Q, R B) Q, R, S C) P, Q, S D) P, R, S

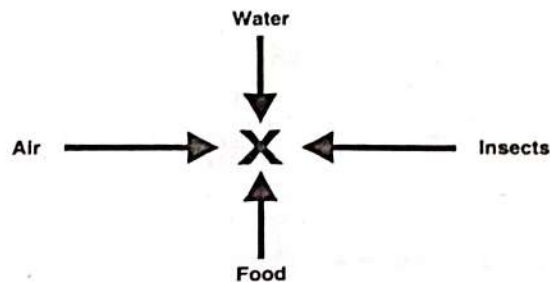
041. Which graph shows the process of human respiration?



- A) A B) B
C) C D) D

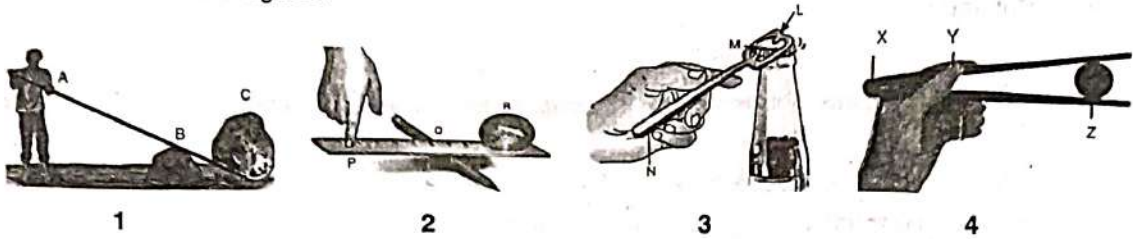
042. Which characteristic of magnet is used in maglev trains?
- A) Attraction between unlike poles
B) Attraction towards iron
C) Repulsion between like poles
D) Freely suspended magnet rest in north south direction

043. Choose the correct alternative for 'X'



- A) Factors essential for survival B) Abiotic factors
C) Factors spreading diseases D) Seed dispersing agents

052. Given pairs indicate figure number and point of fulcrum. Choose a correct option which is correct for all four figures.



- A) 1-B ; 2-Q ; 3-L ; 4-X
 B) 1-A ; 2-P ; 3-M ; 4-Y
 C) 1-C ; 2-R ; 3-N ; 4-Z
 D) 1-B ; 2-Q ; 3-M ; 4-X

053. Who am I?

I am a biennial plant. I store food in my roots.

- A) Potato
 B) Beet
 C) Ginger
 D) Groundnut
054. 100 bricks need to be carried at the height of 10 metres. Mohan completes this work in 1 hour whereas Kasim takes 2 hours to do the same work. What can you say about the work done by them?
- A) Work done by both is the same.
 B) Work done by Mohan is more than Kasim.
 C) Work done by Kasim is more than Mohan.
 D) Can't say.

055. Identify the odd man out from the following:

Taeniasis : Scabies : Headache : Measles

- A) Taeniasis
 B) Measles
 C) Headache
 D) Scabies

056. Which of the following mixtures of two substances, can be separated by distillation method?

- A) Substances with different density
 B) Substances with different boiling points
 C) Substances with different colours
 D) Substances with different solubility

057. Find the odd man out with respect to types of roots.

- A) Corn
 B) Grass
 C) Banana
 D) Fenugreek (Methi)

058. According to the food and agriculture organisation of the United Nations (FAO), which of the following is the staple food of half the population of the world?

- A) Rice
 B) Wheat
 C) Oats
 D) Soyabeans

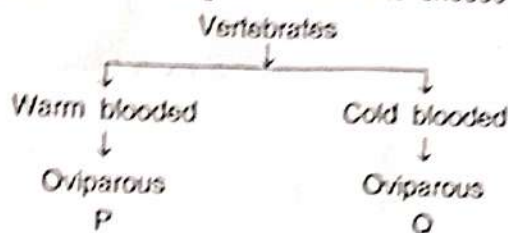
059. Find the odd man out.

- A) Bay
 B) Strait
 C) Island
 D) Ocean

060. Which of the following techniques does not help to make water germ free?

- A) Filtration
 B) Adding chlorine tablets
 C) Swirling alum
 D) Boiling

061. Observe the following flow chart and choose the correct alternative for P and Q respectively.

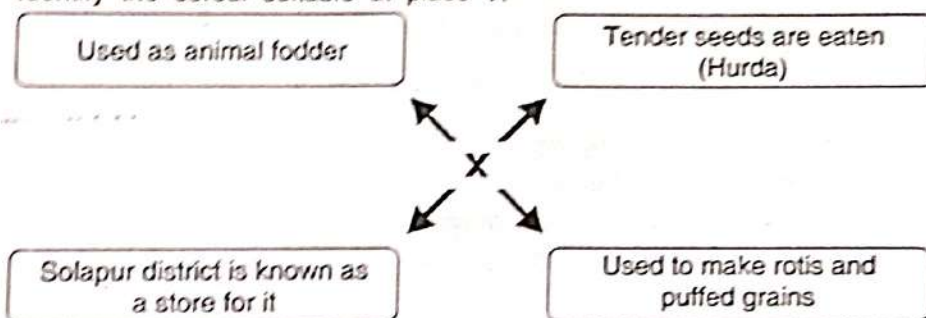


- A) Snake, Termites (white ant)
 B) Pigeon, Tortoise
 C) Crocodile, Starfish
 D) Tiger, Grasshopper

062. Which statement is true regarding volcanic eruptions in the ocean?

- A) Only liquids are pushed out due to underground movements.
 B) Air is polluted due to ash and gases coming out.
 C) Hills and mountains are created.
 D) Islands are formed due to volcanic eruptions.

063. Identify the cereal suitable at place 'X'



- A) Rice
 B) Wheat
 C) Ragi (nachani)
 D) Jowar

064.



P



Q



R



S

Choose the correct order of the energy shown in above pictures.

- A) P-Potential energy, Q-Kinetic energy, R-Electrical energy, S-Wind energy
 B) P-Potential energy, Q-Kinetic energy, R-Chemical energy, S-Wind energy
 C) P-Wind energy, Q-Chemical energy, R-Kinetic energy, S-Potential energy
 D) P-Potential energy, Q-Wind energy, R-Kinetic energy, S-Chemical energy

065. If one sound wave completes 20 vibrations in 2.5 seconds, then determine the frequency of that wave.
- A) 200Hz
B) 50Hz
C) 20Hz
D) 8Hz
066. Harmful Rays coming from the Sun turn to polar region of the earth because _____.
- A) Earth has living world.
B) Earth has an atmosphere.
C) 70% of the earth is occupied by water.
D) Earth is surrounded by a magnetic field.
067. Which motion among the following is a oscillatory motion?
- A) A Fast-moving car
B) Pendulum
C) Hands of a clock
D) Revolution of the earth around the Sun
068. If a bar magnet is cut at three points perpendicular to its axis, _____ bar magnets will be formed and _____ 'N' poles will be formed.
- A) 4, 8
B) 4, 4
C) 8, 8
D) 8, 4
069. Which of the following changes is natural and nonperiodic?
- A) Speed of the moving car.
B) High tide and low tide in the sea.
C) Irruption of a volcano.
D) Sunrise and sunset.
070. While testing the presence of starch in leaves, why is a leaf boiled in spirit?
- A) To soften the leaf.
B) To remove the green colour of the leaf.
C) To stop the process of photosynthesis.
D) To stop loss of water from the leaf.
071. Find odd man out:
- A) Boiling
B) Condensation
C) Sublimation
D) Evaporation
072. Identify a vegetative and biodegradable substance among the following:
- A) Leather
B) Silk
C) Rayon
D) Cotton

073. Which disease is not related to bones among the following?

- A) Rickets
- B) Arthritis
- C) Knee pain
- D) Scurvy

074. Who am I?

I look green in colour, taste astringent. Even if you cook me or dry me up, I am always rich in vitamins.

- A) Red pumpkin
- B) Guava
- C) Indian gooseberry (Amla)
- D) Oranges

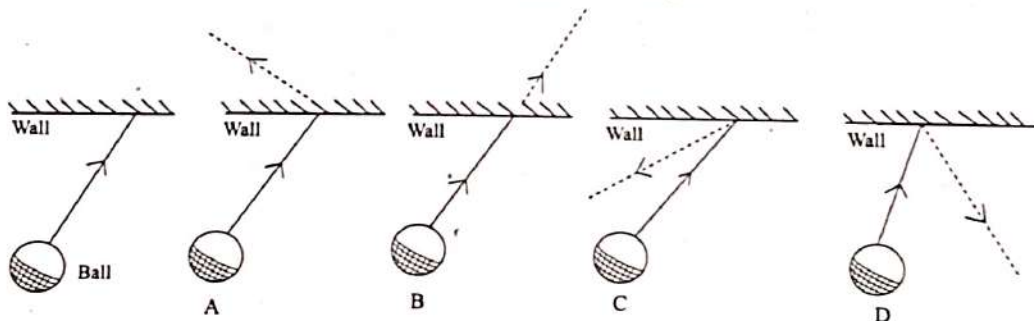
075. How does vaccination help us?

- A) It controls every disease.
- B) It kills microbes in the infected area.
- C) It improves immunity.
- D) It increases power of the body.

076. In India, Forest region is 16.1%, non-agricultural land 10.2%, grazing land 7.9%, Waste land 12.8%. What should be the percentage of agricultural land?

- A) 47%
- B) 50%
- C) 53%
- D) 56%

077. If one ball hits a wall as shown in figure from a flat surface. What would be the correct choice for the direction of motion of the ball after impact?



- A) A
- B) B
- C) C
- D) D

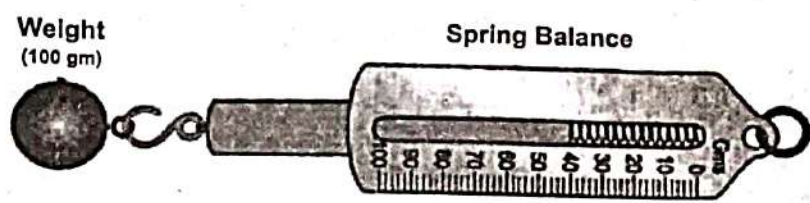
078. In Which of the following activities hinge joints are used?

- A) While kicking a football.
- B) While lifting a load.
- C) While opening a fridge.
- D) In all above.

079. Which layer of soil contains worms - insects?

- A) Humus
- B) Soil
- C) Immature soil
- D) Rocks

080. If we consider the total water stored on the earth is 100 ml and the distribution of water is as given. Which alternative shows water in ice form ?
- A) 0.3 ml
B) 97 ml
C) 0.7 ml
D) 2 ml
081. A long chain formed by joining many similar molecules is known as -
- A) Polymer
B) Hydrocarbon
C) Vulcanisation
D) Galvanisation
082. Identify a false statement about 'water hyacinth'.
- A) Growth of mosquitoes increases
B) Rate of diffusion of oxygen in water decreases.
C) Grows fast in stagnant water
D) Grows fast in running water.
083. As shown in the figure a block of mass 100gm was pulled on the surfaces P, Q, R, S using a spring balance and showed the mark as 80gm, 65gm, 50gm, 45gm respectively, then which surface out of P, Q, R, S is smoother?

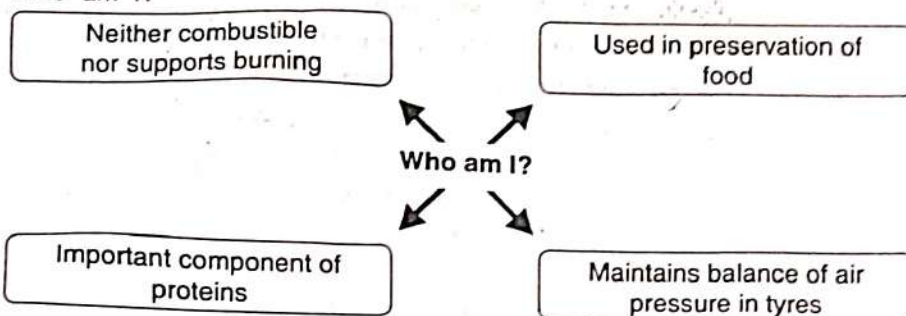


- A) P
B) Q
C) R
D) S
084. Which metal strip should be used to make electromagnet?
- A) Aluminium
B) Copper
C) Iron
D) Silver
085. Find P and Q respectively.

Nutrient	Source
Iron	P
Q	Fish

- A) Spinach, Iodine
B) Milk, Calcium
C) Salt, Sodium
D) Cheese, Potassium

086. Who am I?



A) CO_2

B) N_2

C) O_2

D) Cl_2

087. Which unit is used to measure the speed of the ball of the bowler?

A) cm/second

B) m/second

C) km/hour

D) m/hour

088. How many pairs of ribs are present in the human rib cage?

A) 12

B) 24

C) 36

D) 10

089. Frequency of infrasonic waves is _____ than frequency of ultrasonic waves.

A) Lesser

B) More

C) Equal

D) Equal or more

090. Periscope can be used for :

A) To see objects around the corner.

B) To observe underneath machine part of the car without bending down.

C) To see far away objects.

D) To see minute objects.

091. Which among the following is not a primary colour?

A) Red

B) Green

C) Black

D) Blue

092. When we apply soap while washing clothes and rinse in water, which of the following actions take place respectively.

A) Chemical action, Physical action.

B) Physical action, Chemical action.

C) Physical action, Physical action.

D) Chemical action, Chemical action.

093. Two toy cars are made of plastic, metal strips are stuck on them. If we place them facing each other, they move towards each other. What can we conclude from this observation?
- 1) Both metal strips are magnets with the like poles facing each other.
 - 2) Both metal strips are magnets with the unlike poles facing each other.
 - 3) Both the strips are made of iron.
 - 4) One strip is magnet and the other one is made of iron.
- A) 1 B) 2 C) 1, 4 D) 2, 4
094. It is difficult to push inverted glass in a bucket full of water. But if it is tilted, it can be pushed easily. Which property of air is seen here?
- A) Air produces pressure
 - B) Air has mass
 - C) Air occupies space
 - D) All above
095. Number of images formed in a Kaleidoscope are _____
- A) 3
 - B) 4
 - C) 5
 - D) 6
096. When we enter a mall, we enter through a frame which is used for _____
- A) To click photographs for safety purpose.
 - B) To search for food items carried by people.
 - C) To count the number of visitors.
 - D) To check metallic object carried by people.
097. What is an advantage of having two ears over having one ear?
- A) Can hear sound more clearly.
 - B) If one ear is not functioning, you can use the other.
 - C) Can find the direction of the sound.
 - D) Human face looks symmetrical.
098. Which part of the body helps birds to fly?
- 1) Tail
 - 2) Hollow bones
 - 3) Beak
 - 4) Sharp claws
- A) 1, 2, 3, 4 B) 1, 2, 3
- C) 1, 2 D) 2
099. Who does the maximum work in the following cases ?
- 1) Ajay is standing with a box on his head.
 - 2) Amar pulls the same box on the ground for 1 meter.
 - 3) Anil picks up the same box and keeps at the height of 1 meter.
- A) Ajay B) Amar
- C) Anil D) Amar and Anil
100. Find odd man out:
- A) Mongoose
 - B) Chameleon
 - C) Lizard
 - D) Salamander

कच्च्या कामासाठी जागा /SPACE FOR ROUGH WORK

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