

1. The given picture is of

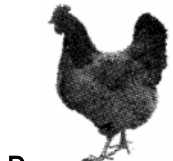


- A. Flies larvae
- B. Mosquito larvae
- C. Grasshopper larvae
- D. Cockroach larvae

Answer:: B

[YagnaQRefNo: B-10] [Q Level: Unknown] [1.Animals]

2. Which of the following is a warm blooded animal?



Answer:: D

[YagnaQRefNo: B-9] [Q Level: Unknown] [1.Animals]



Orca whale

Shark

Which of these states is a way in which one of these animals is different from the other?

- A. One has to come to the water's surface to breathe
- B. One needs oxygen to live
- C. The body of one is adapted for moving through the water
- D. One has a backbone

Answer:: A

[YagnaQRefNo: B-24] [Q Level: Unknown] [1.Animals]

4. Male silk worm finds its female partner from many kilometres away by

- A. Her smell
- B. Looking at her
- C. Listening to the sound produced by her wings
- D. The heat of her body

Answer:: A

[YagnaQRefNo: B-1] [Q Level: Unknown] [1.Animals]

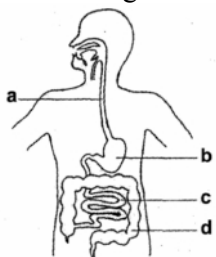
5. It looks like a bear but is not. It spends almost 17 hours a day sleeping while hanging upside down on a tree branch. It lives for about 40 years and in that time moves around only eight trees. The animal referred to in the above paragraph is

- A. Monkey
- B. Sloth
- C. Bat
- D. Gibbon

Answer:: B

[YagnaQRefNo: B-6] [Q Level: Unknown] [1.Animals]

6. Use the figure to select the correct option from the codes given below



Yagna Innovation

A.	Windpipe
a	
b	Gullet
c	Gullet
d	Large intestine

B.	Qesophagus
a	
b	Stomach
c	Large intestine
d	Small intestine

C.	Gullet
a	
b	Liver
c	Large intestine
d	Small intestine

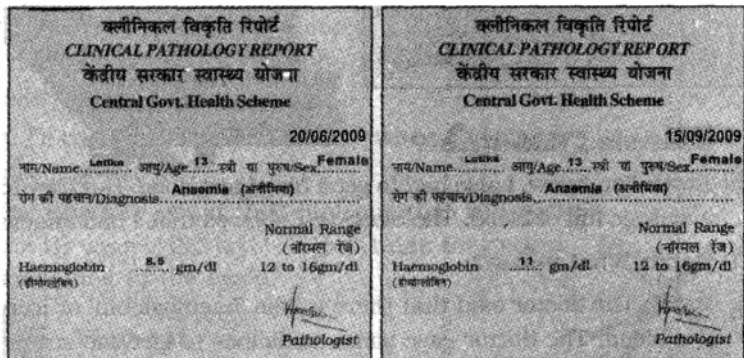
D.	Qesophagus
a	
b	Stomach
c	Small intestine

d | Large intestine

Answer:: D

[YagnaQRefNo: C-1] [Q Level: Unknown] [2. Humen body and Health]

7. Look at Latika’s blood report and answer



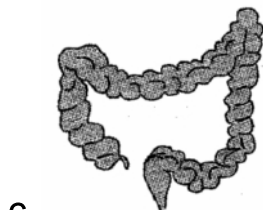
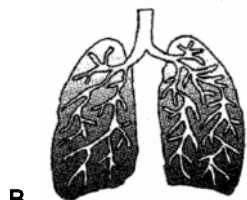
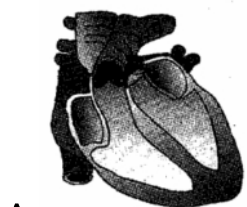
What is the minimum required haemoglobin?

- A. 12 gm/dl
- B. 8.5 gm/dl
- C. 16 gm/dl
- D. 11 gm/dl

Answer:: A

[YagnaQRefNo: C-24] [Q Level: Unknown] [2. Humen body and Health]

8. Which of the following is the main organ of the circulatory system ?



Answer:: A

[YagnaQRefNo: C-10] [Q Level: Unknown] [2. Humen body and Health]

9. Look at Latika’s blood report and answer

क्लीनिकल विकृति रिपोर्ट CLINICAL PATHOLOGY REPORT केन्द्रीय सरकार स्वास्थ्य योजना Central Govt. Health Scheme		क्लीनिकल विकृति रिपोर्ट CLINICAL PATHOLOGY REPORT केन्द्रीय सरकार स्वास्थ्य योजना Central Govt. Health Scheme	
20/06/2009		15/09/2009	
नाम/Name: Latika	आयु/Age: 13 वर्षी या पुत्र्य/Sex: Female	नाम/Name: Latika	आयु/Age: 13 वर्षी या पुत्र्य/Sex: Female
रोग की पहचान/Diagnosis: Anaemia (अनीमिया)		रोग की पहचान/Diagnosis: Anaemia (अनीमिया)	
Normal Range (नॉर्मल रेंज)		Normal Range (नॉर्मल रेंज)	
Haemoglobin (हेमोग्लोबिन)	8.5 gm/dl	Haemoglobin (हेमोग्लोबिन)	11 gm/dl
12 to 16gm/dl		12 to 16gm/dl	
Pathologist		Pathologist	



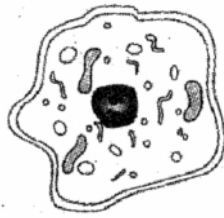
How much does Latika’s haemoglobin go up in 3 months?

- A. 4 gm/dl
- B. 11 gm/dl
- C. 2.5 gm/dl
- D. 10.5 gm/dl

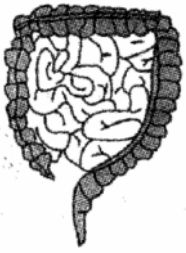
Answer:: C

[YagnaQRefNo: C-5] [Q Level: Unknown] [2. Humen body and Health]

10. Which of these is a single organ ?

- A. 
- B. 
- C. 

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D. **Answer:: B**
 [YagnaQRefNo: C-18] [Q Level: Unknown] [2. Humen body and Health]

11. Which of the following foods will remain fresh for 1-2 days when kept in a dry open place?

- A. Milk
- B. Onion, garlic
- C. Cooked rice
- D. Spinach

Answer:: B
 [YagnaQRefNo: D-7] [Q Level: Unknown] [3. Plants and Food]

12. In which of the following conditions seed will germinate (yes represents presence, no represents absence)?

A. Sunlight	yes
Air	no
Water	yes
Humidity	no

B. Sunlight	yes
Air	yes
Water	yes
Humidity	no

C. Sunlight	no
Air	yes
Water	yes
Humidity	no

D. Sunlight	yes
Air	yes
Water	yes
Humidity	yes

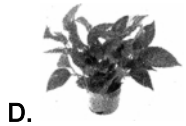
Answer:: D
 [YagnaQRefNo: D-19] [Q Level: Unknown] [3. Plants and Food]

13. Which food groups should be eaten sparingly?

- A. Breads and cereals
- B. Fruits and vegetables
- C. Milk and meat
- D. Fats and sugars

Answer:: D
 [YagnaQRefNo: D-2] [Q Level: Unknown] [3. Plants and Food]

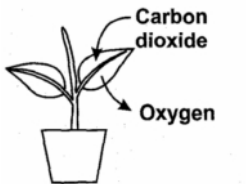
14. Which of the following is an insectivorous plant?



Answer:: A

[YagnaQRefNo: D-3] [Q Level: Unknown] [3. Plants and Food]

15. The exchange of gases as shown in the given figure takes place during _____



- A. Breathing
- B. Respiration
- C. Evaporation
- D. Photosynthesis

Answer:: D

[YagnaQRefNo: D-17] [Q Level: Unknown] [3. Plants and Food]

16. Which one of the following is the effect of water pollution?

- A. Decrease in population of aquatic life
- B. Increase in population of trees
- C. Increase in population of land animals
- D. No major changes in the balance of the environment

Answer:: A

[YagnaQRefNo: E-23] [Q Level: Unknown] [4. Water]

17. Which of the following is potable water?

- A. A glass of water fit for drinking
- B. Water in a pot
- C. Sea water
- D. Water with bacteria and chemicals

Answer:: A

[YagnaQRefNo: E-8] [Q Level: Unknown] [4. Water]

18. The pure water used in medicine, car batteries and science laboratories is obtained through which of the following processes ?

- A. Evaporation
- B. Distillation
- C. Sedimentation
- D. Filtration

Answer:: B

[YagnaQRefNo: E-5] [Q Level: Unknown] [4. Water]

19. Chlorine is added to the water in the swimming pools to

- A. Sterilise the water
- B. Clean the water
- C. Enhance the water
- D. Pollute the water

Answer:: A

[YagnaQRefNo: E-4] [Q Level: Unknown] [4. Water]

20. Which of the following is the correct reason for the occurrence of earthquake?

- A. Too many buildings are in one location
- B. The Moon pulls on Earth's surface
- C. Pressure builds up and is suddenly released
- D. Underground explosions take place

Answer:: C

[YagnaQRefNo: F-23] [Q Level: Unknown] [5. Natural Resources and Calamities]

21. If there is no rain, crops fail to grow. This condition will lead to

- A. Flood
- B. Drought
- C. Famine
- D. Both (B) & (C)

Answer:: D

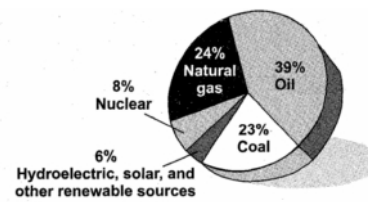
[YagnaQRefNo: F-8] [Q Level: Unknown] [5. Natural Resources and Calamities]

22. Which of the following is best source of renewable energy?

- A. Cattle
- B. Petroleum
- C. Coal
- D. Trees

Answer:: D

[YagnaQRefNo: F-5] [Q Level: Unknown] [5. Natural Resources and Calamities]



23. The given pie chart shows the energy sources of a country. Refer the graph to answer
Which sources provide the most similar amounts of energy?

- A. Oil & coal
- B. Coal & gas
- C. Gas & nuclear
- D. Coal & nuclear

Answer:: B

[YagnaQRefNo: F-4] [Q Level: Unknown] [5. Natural Resources and Calamities]

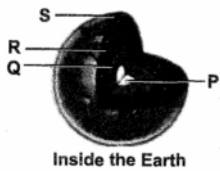
24. For five nights in a row, Urvashi has observed the same constellation. One of the bright objects in the constellation seems to be moving out of place. What is the most likely explanation for the moving object?

- A. The object is really a shooting star
- B. The object is a spacecraft orbiting the Earth
- C. The object is a planet
- D. The object is a reflection of a star

Answer:: C

[YagnaQRefNo: 10-5] [Q Level: Unknown] [6. Earth and Universe]

25. The hottest part of the Earth, which is solid and made up of nickel and iron is represented by which alphabet in the figure?



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

Answer:: A

[YagnaQRefNo: 10-18] [Q Level: Unknown] [6. Earth and Universe]

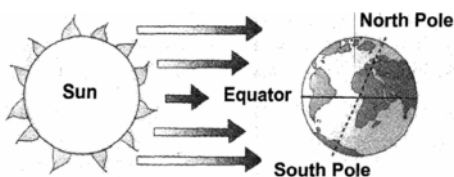
26. Suppose the earth begins to rotate twice as fast. Which of these would happen in this condition ?

- A. Days would be twice as long
- B. The Sun would rise and set in the east
- C. Days would be half as long
- D. Some places would have eight seasons a year

Answer:: C

[YagnaQRefNo: 10-6] [Q Level: Unknown] [6. Earth and Universe]

27. Imagine that the earth is tilted on its axis, as shown in the figure.



The tilt of Earth around its axis causes

- A. Seasons
- B. Frozen continent at North pole
- C. Day and Night
- D. None of these

Answer:: B

[YagnaQRefNo: 10-9] [Q Level: Unknown] [6. Earth and Univerce]

28. Using the experiment, Raghav is using water, sugar, and a balance scale. He is mixing different measured amounts of sugar with 15 grams of water and then measuring the mass of the final solution.

Which list shows the results he probably obtained for the missing column in this chart

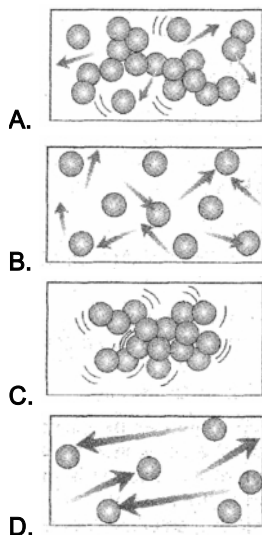
Mass of water (in grams)	Mass of sugar (in grams)	Mass of solution (in grams)
15	1	?
15	3	?
15	5	?
15	8	?

- A. 15, 15, 15, 15
- B. 14, 12, 10, 7
- C. 1, 3, 5, 8
- D. 16, 18, 20, 23

Answer:: D

[YagnaQRefNo: 11-18] [Q Level: Unknown] [7. Matter]

29. The given figures show particles of the same matter. In which picture is the matter hottest?



Answer:: D

[YagnaQRefNo: 11-20] [Q Level: Unknown] [7. Matter]

30. A cake mixture is placed in an oven. After 2 hours, a chocolate cake is ready to be served. The cake mixture has undergone changes in

(i) Shape (ii) Position (iii) Colour (iv) Taste

- A. (i) only
- B. (iv) only
- C. (ii) & (iii)
- D. All of these

Answer:: D

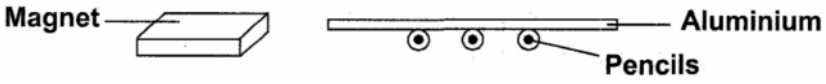
[YagnaQRefNo: 11-15] [Q Level: Unknown] [7. Matter]

31. Which would be the best material to use, while making the handle of a tea kettle?

- A. Aluminium
- B. Wood
- C. Glass
- D. Iron

Answer:: B

[YagnaQRefNo: 11-2] [Q Level: Unknown] [7. Matter]

32.  The diagram shows a rectangular block labeled 'Magnet' on the left. To its right is a horizontal rod labeled 'Aluminium'. Three small circles labeled 'Pencils' are placed under the aluminium rod to support it. A line points from the label 'Pencils' to one of the circles.

What will happen to the piece of aluminium when the magnet is brought near it?

- A. It will not move at all
- B. It will move towards the magnet
- C. It will move away from the magnet
- D. It will move forward and backward

Answer:: A

[YagnaQRefNo: 12-3] [Q Level: Unknown] [8. General Science]

33. Which of the following make use of magnetic materials to store information?

(i) Computer floppy disks (ii) Cassette tapes (iii) Video tapes (iv) Cashcard

- A. (i) & (ii)
- B. (i), (ii) & (iii)
- C. (ii), (iii) & (iv)
- D. All of these

Answer:: D

[YagnaQRefNo: 12-25] [Q Level: Unknown] [8. General Science]

34. Which element is least like the others electricity?

- A. Nickel
- B. Silver
- C. Copper
- D. Carbon

Answer:: D

[YagnaQRefNo: 12-1] [Q Level: Unknown] [8. General Science]

35. Which of the following traits is/re

- (i) Talking in different languages
- (ii) Love for reading

- (iii) Love for knitting
- (iv) Colour of eyes
- (v) Love for music

- A. (iv) only
- B. (i) & (iv)
- C. (i), (iv) & (v)
- D. (iv) & (v)

Answer:: A

[YagnaQRefNo: 12-14] [Q Level: Unknown] [8. General Science]

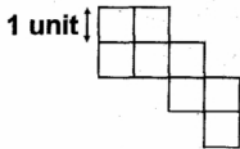
36. If '+' means '÷', '-' means 'x', '÷' means '+' and 'x' means '-', then
 $36 \times 12 + 4 \div 6 + 2 - 3$?

- A. 2
- B. 18
- C. $6\frac{1}{2}$
- D. 42

Answer:: D

[YagnaQRefNo: 2-226] [Q Level: Unknown] [Mental Ability]

37. The perimeter of the figure below is



- A. 12
- B. 16
- C. 22
- D. 24

Answer:: B

[YagnaQRefNo: 2-84] [Q Level: Unknown] [Mental Ability]

38. had four numbers. He used each number only once to make a larger number.

7 9 4 5

It he put the 9 in the tens place, what would be the largest number he could make?

- A. 7954
- B. 7549
- C. 7594
- D. 9754

Answer:: C

[YagnaQRefNo: 2-5] [Q Level: Unknown] [Mental Ability]

39. There were 12 friends. Each greeted each other by shaking hands. How many handshakes took place

- A. 42
- B. 56
- C. 14

D. 64

Answer:: D

[YagnaQRefNo: 2-174] [Q Level: Unknown] [Mental Ability]

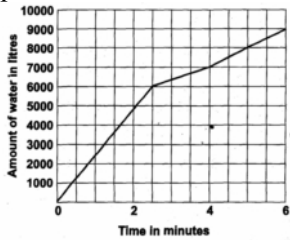
40. An empty tin has a weight of $\frac{1}{6}$ kg. When it is filled with sand, it has a weight of $\frac{7}{12}$ kg. The weight of the sand in the tin is

- A. $\frac{7}{8}$ kg
- B. $\frac{5}{12}$ kg
- C. $\frac{5}{24}$ kg
- D. $\frac{7}{12}$ kg

Answer:: B

[YagnaQRefNo: 2-109] [Q Level: Unknown] [Mental Ability]

41. The graph below shows the amount of water used by a factory in 6 minutes. Study the graph carefully and answer the questions



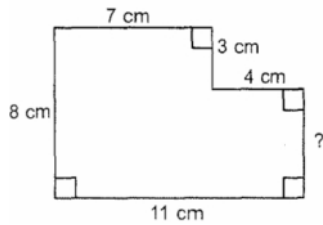
What is the difference in the amount of water used during the first 4 minutes and the last two minutes?

- A. 4000 litres
- B. 6000 litres
- C. 7000 litres
- D. 2000 litres

Answer:: D

[YagnaQRefNo: 2-234] [Q Level: Unknown] [Mental Ability]

42. The figure below is missing a measurement for one line segment. What is the missing measurement?



- A. 1 centimeter
- B. 4 centimeters
- C. 5 centimeters
- D. 8 centimeters

Answer:: C

[YagnaQRefNo: 2-244] [Q Level: Unknown] [Mental Ability]

43. Which of the following sets of fractions is arranged in descending order?

- A. $\frac{1}{2}, \frac{2}{3}, \frac{3}{5}, \frac{4}{7}$

- B. $\frac{6}{4}, \frac{2}{5}, \frac{2}{3}, \frac{1}{2}$
- C. $\frac{1}{2}, \frac{3}{4}, \frac{5}{6}, \frac{9}{10}$
- D. $\frac{1}{4}, \frac{1}{5}, \frac{1}{6}, \frac{1}{7}$

Answer:: D

[YagnaQRefNo: 2-7] [Q Level: Unknown] [Mental Ability]

44. Based on the table below, an octagon has

Figure	Number of Diagonals
Triangle	0
Quadrilateral	2
Pentagon	5
Hexagon	9
Heptagon	14
Octagon	?

- A. 20 diagonals
- B. 18 diagonals
- C. 16 diagonals
- D. 14 diagonals

Answer:: A

[YagnaQRefNo: 2-266] [Q Level: Unknown] [Mental Ability]

45. A morning radio program schedules about what fraction of each hour for weather updates?

1 Hour Program Schedule



- A. 1/10
- B. 2/10
- C. 3/10
- D. 5/10

Answer:: A

[YagnaQRefNo: 2-276] [Q Level: Unknown] [Mental Ability]

46. Three out of every ten students in the fifth grade own a computer. There are 50 students in the fifth grade. How many fifth grade students own a computer?

- A. 10 students
- B. 15 students
- C. 20 students
- D. 25 students

Answer:: B

[YagnaQRefNo: 2-190] [Q Level: Unknown] [Mental Ability]

47. A tank is full of 300 L of water. If 15 buckets can be filled with one tank of water, how many buckets in all can be filled with the water in 25 tanks?

- A. 300
- B. 375
- C. 7500
- D. 4500

Answer:: B

[YagnaQRefNo: 2-259] [Q Level: Unknown] [Mental Ability]

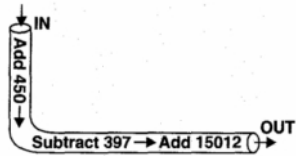
48. The smallest four digit number that can be formed using 3, 6, 2, 0 is

- A. 3620
- B. 2036
- C. 0236
- D. 2306

Answer:: B

[YagnaQRefNo: 2-239] [Q Level: Unknown] [Mental Ability]

49. A number machine takes any number put into it, adds 450, then subtracts 397, and then adds 15012. If the number 2083 is put into the machine, what number comes out?

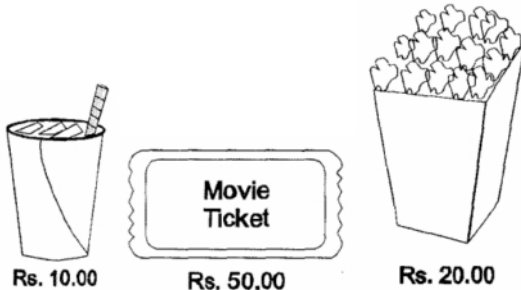


- A. 17381
- B. 18749
- C. 17148
- D. 17481

Answer:: C

[YagnaQRefNo: 2-145] [Q Level: Unknown] [Mental Ability]

50. How much will Meena owe if she buys one of each item shown below?



- A. Rs. 70.00
- B. Rs. 80.00
- C. Rs.90.00
- D. Rs.100.00

Answer:: B

[YagnaQRefNo: 2-120] [Q Level: Unknown] [Mental Ability]

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