BNAT Sample Paper- Subjunior

<mark>Mathematical Ability</mark>

1. An icecream seller has 64 cone icecreams. The available flavours are vanilla, chocolate, and butterscotch. If 1/2 of them are vanilla, 1/4 of the remaining are chocolate, how many butterscotch ice creams are there?

   a. 40
   b. 32
   c. 24
   d. 8

   Answer: Option (c)

2. A bag contains 5 rupee coins, each weighing 25 gram. How much money does the bag contain, if the bag weighs 2 kg 475 grams?

   a. ₹99
   b. ₹145
   c. ₹450
   d. ₹495

   Answer: Option (d)

3. A basketball court 28 m by 15 m is surrounded by a path of uniform width 2.5 m. Find the area of the path.

   a. 660 m^2
   b. 420 m^2
   c. 240 m^2
   d. 225 m^2

   Answer: Option (c)

4. The given line graph shows the number of bicycles sold by an agency from March to September.
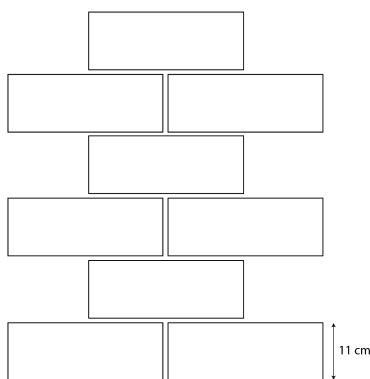
If the sale of one bicycle earns a profit of ₹600, how much profit is generated by the agency from April to August?

     a. ₹54,000
     b. **₹69,000**
     c. ₹66,000
   d. ₹63,000

Answer: Option (b)

5. Rohan is constructing a wall by placing bricks one above the other as shown in the figure. How many bricks are required to construct a wall of 3.3 m in height, if the height of one brick is 11 cm?

11 cm

     a. 25
     b. 30
     c. 45
     d. 90

Answer: Option (c)

6. A rectangle is formed by joining 8 identical smaller rectangles as shown in the figure. Find the area of the shaded region.
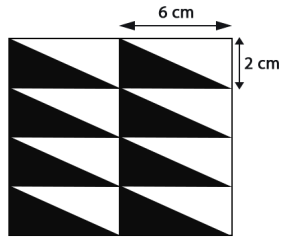
a. 96 cm²
b. 48 cm²
c. 24 cm²
d. 12 cm²

Answer: Option (b)

7. Drake buys 5 packets of food for every 30 pets. If Drake has to feed 270 pets, he needs to buy _____ packets of food.
    a. 5
    b. 30
    c. 45
    d. 150

Answer: Option (c)

8. Find the product of all the factors of 42 that are multiples of 14?
    a. 1176
    b. 84
    c. 294
    d. 588

Answer: Option (d)

Verbal Ability

1. **Choose the correct option.**
    a. Last month I had gone to the chocolate factory twice.
    b. Last month I went to the chocolate factory twice.

    c. Last month I have gone to the chocolate factory twice.

    d. Last month I has gone to the chocolate factory twice.

Answer: Option (b)

2. **Choose the correct option.**
    a. I am going to Steve Smith's the cricketer house.
    b. I am going to Steve Smith's the cricketer's house.
    c. I am going to Steve Smith the cricketer house.
    d. I am going to Steve Smith the cricketer's house.

Answer: Option (d)

3. **Fill in the blanks with the appropriate preposition.**
    Question: Mr. Sharma lives ___ 100, Park Street.
    a. In
    b. With
    c. On
    d. At

Answer: Option (d)

4. **Sentence correction**
    It was <u>he, not me</u>, who decided to postpone the trip.
    a. He, not I
    b. Him, not me
    c. He, not mine
    d. Him, not I

Answer: Option (a)

5. **Choose the option which has the relation of words similar to the pair given**
    below: Good : Bad
    a. Coarse : Rough
    b. Identical : Same
    c. Bore : Amuse

d. Explain : Clarify

Answer: Option (c)

6. **Fill in the blanks with suitable forms of the verbs.**
   Question: Naveen _____ a walk every morning.
   a. Is taking
   b. Used to take
   c. Takes
   d. Take

Answer: Option (c)

<mark>Logical</mark>

1. How many numbers between 200 and 300 contain the number 6 in either units or tens place?
   a. 18
   b. 19
   c. 20
   d. 25

Answer: Option (b)

2. The table shows the number of groups that some classes were divided into and the number of pencils that were given to each of them. If every group in a given class received an equal number of pencils, what would be the value of A, B, C, and D?

Class	Number of pencils	Number of groups	Number of pencils received by each group
Grade 1	60	A	5
Grade 2	B	11	12

Grade 3	136	8	C
Grade 4	90	D	5

a. **12, 132, 17, 18**
b. 10, 32, 19, 18
c. 12, 132, 19, 18
d. 120, 32, 18, 17
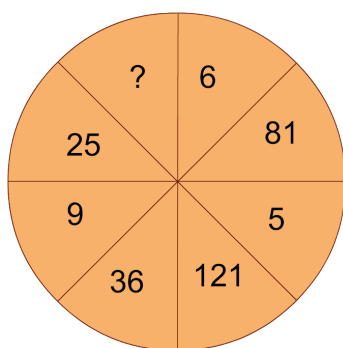
Answer: Option (a)

3. How many triangles are there in the given figure?
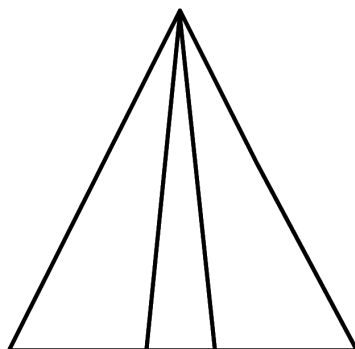
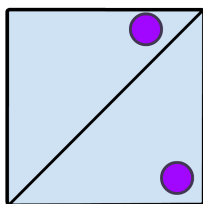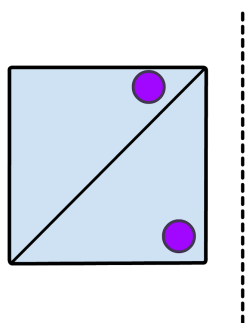a. 3
b. 4
c. 5
d. 6

Answer: Option (d)
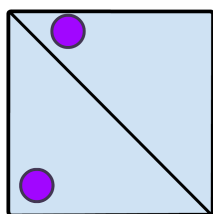
4. Find the missing number in the given figure.

a. 10
b. 13
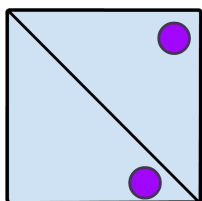c. **11**
d. 12

Answer: Option (c)

5. Which of the given options would be the correct mirror image of the figure below?
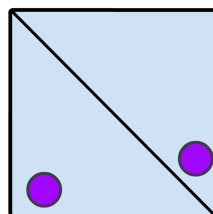

a.

b.

c.

d.

Answer: Option (b)

6. A monkey jumps 3 steps up and 1 step back on a staircase. How many jumps will he have to make to reach the bananas kept on the 13th stair?

    a. 22
    b. 23
    c. 24
    d. 25

Answer: Option (b)

EVS

    1. Identify the flowers that Annie is likely to find blooming during the spring season.
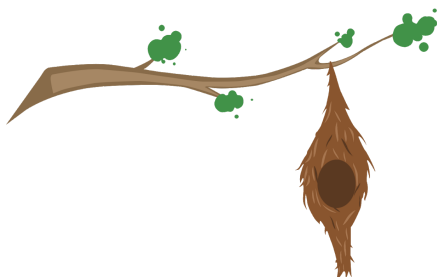
(i)   (ii)   (iii)   (iv)

a. Only (i)
b. **Both (i) and (ii)**
c. Only (ii)
d. Both (iii) and (iv)

Answer: Option (b)

2. Which among the following is responsible for causing malaria?
   a. Honeybees
   b. Houseflies
   c. **Mosquitoes**
   d. Ants
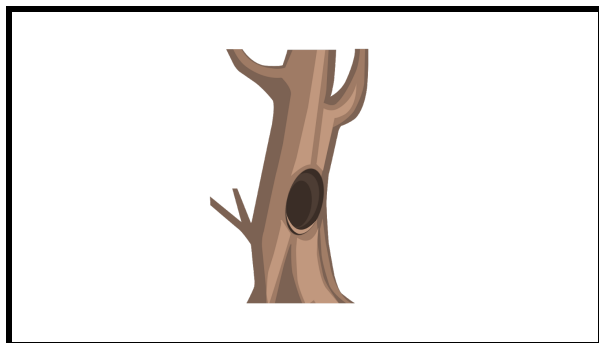
Answer: Option (c)

3. Identify the nest of the bird shown in the figure given below.

a.

b.

c.

d.

Answer: Option (c)

4. Reeta: Ploughing helps the roots of the crops to penetrate deep into the soil.
   Rohan: The first step in growing a crop is sowing.
   Who among Reeta and Rohan is correct?
   a. Only Rohan
   b. **Only Reeta**
   c. Both Reeta and Rohan
   d. Neither Reeta nor Rohan

   Answer: Option (b)

5. One state of matter can be converted to another state of matter as shown in the figure. Identify the relevant processes involved.
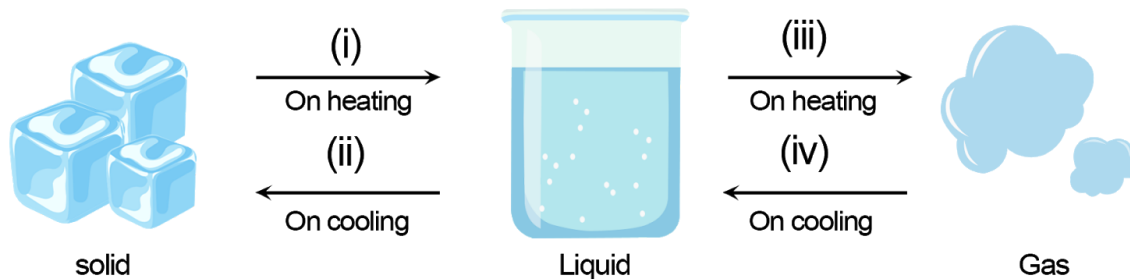
a. **i - Melting, ii - Freezing, iii - Vapourisation, iv - Condensation**
b. i - Freezing, ii - Melting, iii - Vapourisation, iv - Condensation
c. i - Melting, ii - Freezing, iii - Condensation, iv - Vapourisation
d. i - Freezing, ii - Melting, iii - Condensation, iv - Vapourisation

Answer: Option (a)

6. Match the given states to what they are famous for.

1. Uttar Pradesh	a. Pochampally silk
2. Andhra Pradesh	b. Madhubani paintings
3. Bihar	c. Ittar

a. 1 - c, 2 - a, 3 - b
b. 1 - a, 2 - b, 3 - c
c. 1 - b, 2 - c, 3 - a
d. 1 - a, 2 - c, 3 - b

Answer: Option (a)

7. Rahul has gone to the South Pole. In which direction will the gravitational force act on him?

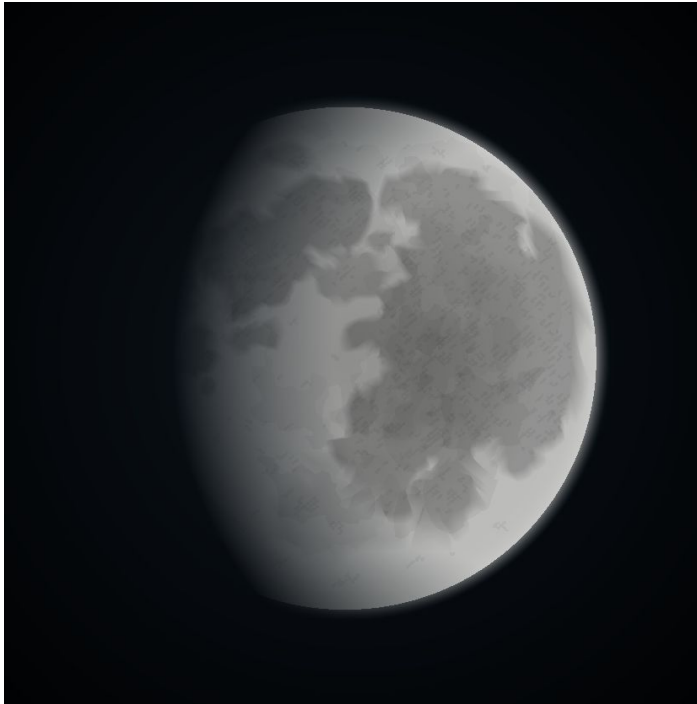
    a. 1
    b. 2
    c. 3
    d. **4**

Answer: Option (d)

8. Why do you think we use dogs at crime scenes?
    a. Superior sense of smell
    b. Superior sense of touch
    c. Superior sense of vision
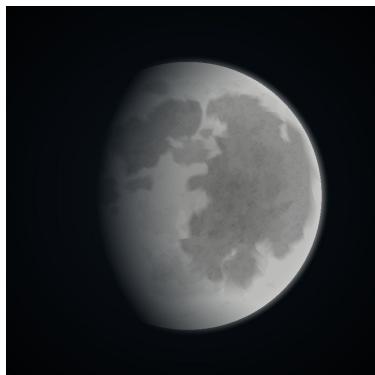   d. Superior sense of taste

Answer: Option (a)

9. Reeta watches the night sky and sees the Moon as shown in the figure. What will be the shape of the Moon when she observes it after a month?

a.

b.

c.

d.

Answer: Option (b)

10. The Bhuj earthquake happened on _____.
   a. 21 January 2001
   b. 26 January 2001
   c. 21 January 2006
   d. 26 January 2006

Answer: Option (b)