



English (40)

1. Read the following passage and answer the question given:

8

1) The world's smallest dog, the Chihuahua or the Pocket Dog is barely 1 kg to 2 kg as an adult! The Chihuahua is named after a Mexican State, but its roots can be traced back to China. Today this breed is popular choice among the dog lovers world over and their popularity seems to be ever increasing.

2) The main advantage of this breed is that they need no particular exercise. They are quite satisfied with their walks within their house. Being small, however, does not mean that they are dull, on the contrary they are sharp, alert animals, very strong in character. They are good guard dogs due to their strong cords. They have an inherent curiosity that makes them want to know what goes on within the house.

3) For show purposes the maximum permissible weight is 0.9kg to 1.8 kg. Chihuahuas are of two types, the long coated and the smooth coated. The long coated ones have flat or slightly wavy coats. The smooth coated ones are soft textured and glossy in appearance.

4) They can be of any colour. Their heads are apple dome-shaped and in some animals, the frontal areas of the skull do not fuse! The nose is short and the ears are at an angle of 45 degrees to the head. The dogs are slightly longer than the tail and the tail is carried like a sickle that just touches the back. The body on the whole is compact and has a graceful appearance. Occasionally a tail-less dog is born but tail cropping is not an accepted practice.

5) Compared to other pups, they require little care, and only the long-haired variety needs grooming. They tend to exercise themselves within the confines of the house. This makes them prone to have overgrown nails that need regular clipping. As far as their diet is concerned, they could be fussy and choosy eaters, but then almost all toy breeds are so! They are intelligent and learn easily.

6) They are very active within the house and literally are burglar alarms. They are good with children and are loyal and devoted to the family. On the whole, the Chihuahua is quite a pet! At just six inches, it is bundle of energy. Most people are surprised seeing these animals and the general awareness of this breed is still low. However, just one hurdle remains. Because this is a pocket dog, it may pinch a few pockets.

1. Fill in each of the spaces with one word only.

The most popular variety of (a) ——— dogs today is Chihuahua.

The (b) ——— size is its greatest attraction as an adult weighs just between 1 kg and 2 kg. A walk within the house gives them

(c) ———. Besides strength of character, they possess

(d) ——— and alertness.

They are always (e) ——— to know what is happening inside the house.

Their strong vocal cord makes them (f) ——— as burglar alarms.

2. Answer the following questions as briefly as possible.

(a) The two types of Chihuahua are distinguished on the basis of their coats

1* _____

2* _____

(b) The pocket dog is not only a show piece but a good guard as well because

2. Read the following passage carefully:

A key marine wealth that had disappeared from the face of the Gujarat coast has made a comeback. The Zoological Survey of India has made perhaps the largest coral reef restoration project in the world by successfully regenerating the unique variety of corals known branching corals'. These corals are now found from the southern tip of the Gulf of Mannar to the Gulf of Kutchch in Gujarat. The region once had a thriving population of corals belonging to the genera Acropora and Montipora but they were subjected to massive degradation due to human activity.

Several attempts were made to transport the fragile corals from other areas but they kept withering

even before reaching their destination. Yet after a sustained and dedicated effort of two years, researchers were able to transport the branching coral.

According to the Zoological Survey of India, the corals transported from the Gulf of Mannar are growing well on different islands in Kutchch. The islands of Pirotan, Narara, Poshitra and Mithapur have been identified for growing the corals. The sustained progress of the growth of the coral in these areas have been found favourable. There are four stages to be followed when transplanting the coral. The first stage is bringing of the coral from another area. Thereafter, comes the stage of monitoring the coral growth and finally the stage of regeneration of the coral. The corals from Mannar are raised in a nursery in Pirotan island while the Narara island is used as a quarantine space for the coral.

The experiment has other unique qualities. It is the first successful experiment of transporting coral from one place to that is highly sedimented. Thus the monitoring of the transplanted coral continues even after they have successfully taken root. The researchers visit the area twice a week to clear the silt and sand and to clear the sea of sea weeds.

Known as 'tropical rainforests of the oceans' coral reefs are marine ecosystems. They support a rich and colourful array of aquatic flora and fauna. Hence they serve as nurseries for breeding and feeding marine wildlife. They also protect coastlines from harsh ocean storms and floods and provide livelihood opportunities through tourism and fishery.

1 Answer the following questions in about 30-40 words.

- (a) What work has the Zoological Survey of India undertaken in Gujarat? 4
- (b) Mention two unique facts about branching corals.
- (c) What are the four stages followed in the transplanting of the coral?
- (d) What are the advantages gained from this experiment?

2 Choose the word which is closest in meaning to the words given below. 4

- (a) comeback (i) return (ii) calling a person (iii) turning one's back
- (b) monitoring (i) variety of lizard (ii) a Greek monster (iii) a class head boy (iv) keeping a close watch
- (c) quarantine (i) a quarter (ii) to keep in isolation (iii) infectious disease (iv) a musical step
- (d) aquatic (i) to get something (ii) plants and fish (iii) related to water (iv) swimming

3. Choose the best word from the options given below and complete the following passage. 4

26th January is a very special day (i) _____ India. It is (ii) this day that India became a Sovereign Democratic Republic (iii) _____ 1950. Dr. Rajendra Prasad became the first President (iv) _____ the Indian Republic. 26th January is celebrated (v) _____ great enthusiasm and festivity all over the country. First of all, the Prime Minister visits the Amar Jawan Jyoti at India Gate. There he offers floral tributes (vi) _____ the martyrs. Then begins the colourful parade (vii) _____ starts from Vijay Chowk (viii) _____ terminates at the Red Fort.

- (i) (a) for/in (b) of (c) by (d) to
- (ii) (a) by (b) of (c) in (d) on
- (iii) (a) on (b) in (c) for (d) to
- (iv) (a) in (b) above (c) of (d) about
- (v) (a) for (b) with (c) in (d) by
- (vi) (a) to (b) of (c) by (d) over
- (vii) (a) that (b) of (c) which (d) to
- (viii) (a) which (b) to (c) that (d) and

4. There is an error in each line. Mark the error and write the correct word. 4

	Incorrect	Correct
The saint get a piece of chalk equal to the lump in opium and told the opium eater that he could continue eating opium but should not took more than the weight in the chalk each day. The opium eater was quiet happy but he was also told that everyday he shall write 'one' three times on a blackboard with that chalk. In that manner, the chalk was reduce and so was his habit.	e.g. get (a) _____ (b) _____ (c) _____ (d) _____ (e) _____ (f) _____ (g) _____ (h) _____	got _____ _____ _____ _____ _____ _____ _____

5. Rearrange the following words and phrases to form meaningful sentences. First has been done for you. 4

Children are / many / still / employed in factories / in
 Ex: Many children are still employed in factories.

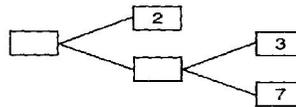
1. access / the internet / became / we / to the general / known / public / since / in the early 1990s, / it / has / the way / information / revolutionized
2. languages / according / to / all / an innate / human beings / have / ability / to learn / Chomsky
3. book / formality / a certain considerate / must be treated / with / a borrowed /
4. no book / that / afraid to / you should / mark up / own / you are /
6. Write a letter to the editor on the topic" Spreading garbage in and around locality" you are Ram living in Mohammadpura behind Renuka Temple, Burhanpur. **6**
7. Complete the story that begins with the following statement in not more than 150-200 words. **6**
It was festive time. There was lof of excitement in the air. The sound of crackers could be heard all a round. Sakshi was enjoying it every bit. But all of a sudden.....

(Social Science 30)

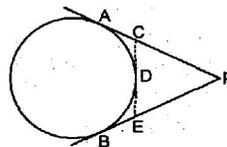
8. "Money cannot buy all the goods and services that a person may need to live well". Explain the statement with suitable examples. **3**
9. "Consumer awareness is the best way for the protection of consumers." Justify with suitable examples. **3**
10. "Power-sharing is the very spirit of democracy". Justify this statement with three suitable points. **3**
11. In the present day of energy crisis, which step would you like to take for saving energy? **3**
12. "Industrialisation and urbanisation go hand in hand". Justify the statement by giving any three arguments. **3**
13. What is credit? How does credit play a vital and positive role? Explain with an example. **5**
14. Describe the role of citizens in a democracy. **5**
15. "Developmental goals are different for different people". Explain the statement with appropriate examples. **5**

Mathematics (30)

16. Find the 10th term from the end of the A.P. 8, 10, 12, ..., 126. **1**
17. If graph of quadratic polynomial $ax^2 + bx + c = 0$ cuts positive direction of y -axis, then what is the sign of c ? **1**
18. If the probability of winning a game is 0.3, what is the probability of loosing it? **1**
19. Complete the missing entries in the following factor tree. **1**



20. If the difference of mode and median of a data is 24, then find the difference of median and mean. **1**
21. The largest sphere is curved out of a cube of side 7 cm. Find the volume of the sphere. **2**
22. In the given figure, PA and PB are tangents to a circle from an external point P. CE is a tangent to the circle at D. If AP = 10 cm, find the perimeter of triangle PEC. **2**



23. Prove that the line joining the mid-points of two sides of a triangle is parallel to the third side. **2**
24. Prove that the sum of the squares of the sides of a rhombus is equal to the sum of the squares of its diagonals. **3**
25. If the zeros of the polynomial $f(x) = 2x^3 - 15x^2 + 37x - 30$ are in A.P., find them. **3**
26. One says, "Give me a hundred, friend! I shall then become twice as rich as you." The other replies, "If you give me ten, I shall be six times as rich as you." Tell me what is the amount of their respective capital? **3**
27. If $\tan \theta + \sin \theta = m$ and $\tan \theta - \sin \theta = n$, show that $m^2 - n^2 = 4\sqrt{mn}$ **5**
28. Two opposite vertices of a square are $(-1, 2)$ and $(3, 2)$. Find the coordinates of other two vertices. **5**

