Earth—Our Shared Home

Standard difficulty · 20 questions · 40 marks · Time: 54 minutes

Name: _____ Date: _____ Score: ____ / 40

Show your working for Sections B and C. Answers are on the last page — try every question first!

Section A — Choose the correct answer — 8 × 1 = 8 marks

1. "Vasudhaiva Kutumbakam" means:
   (a) truth alone wins **(b)** knowledge is power
   (c) India is great **(d)** the world is one family

2. Which of these first came to India from South America?
   (a) peanut **(b)** crystal sugar **(c)** the mango **(d)** black pepper

3. Which of these went from India to the rest of the world?
   (a) cashew **(b)** maize
   (c) chilli **(d)** the number zero

4. Which of these birds comes to India only for the winter?
   (a) common myna **(b)** house sparrow
   (c) northern shoveler **(d)** house crow

5. Which of these is a way to care for our shared Earth?
   (a) use a new plastic bag every day **(b)** throw wrappers in a river
   (c) cut trees without planting new ones **(d)** plant and water a tree

6. A migrating bird flies about 100 km a day. How many days will it take to fly 2,500 km?
   (a) 25 days **(b)** 50 days **(c)** 30 days **(d)** 100 days

7. On a globe, 1 cm stands for 500 km. A string from Central Asia to India measures 13 cm. About how far do rosy starlings fly?
   (a) 1,300 km **(b)** 513 km **(c)** 6,500 km **(d)** 7,000 km

8. A tea stall used 7 plastic bags every week. Now they carry cloth bags. How many plastic bags do they save in a year (52 weeks)?
   (a) 2,555 bags **(b)** 84 bags **(c)** 364 bags **(d)** 59 bags

Section B — Short answer — 8 × 2 = 16 marks

9. What does "Vasudhaiva Kutumbakam" mean?

10. Did it come to India from another land ("came") or go from India to the world ("went")? (a) the number zero (b) maize

11. Is it a winter "migrant" to India or does it live here all year ("resident")? (a) Siberian crane (b) peacock

12. Does it help our Earth? Write "yes" or "no": (a) to throw wrappers in a river (b) to turn off the tap while brushing

13. In a full address from your house to the planet, which comes first: country or continent? Write your own state and country.

14. Each of the 28 children in a class plants 2 saplings on Earth Day. How many saplings are planted?

15. A flock of 2,300 rosy starlings visits a farm. If each bird eats 172 insects in a day, how many insects does the flock eat?

16. Grandfather was born in 1982. How old will he be in 2038?

Section C — Word problems — 4 × 4 = 16 marks

17. Explain "nature has no boundaries" with three examples.

18. A flock of bar-headed geese flies 3,300 km from Central Asia to a lake in India. They fly 150 km on each flying day and rest for 4 days on the way. (a) How many flying days do they need? (b) How many days does the whole journey take? (c) Why do they make this journey?

19. In a lane of 30 houses, each family used 7 plastic bags a week. Then every family switched to cloth bags. (a) How many plastic bags does the lane save each week? (b) In a year (52 weeks)? (c) Why is this good for the whole Earth, not just the lane?

20. Potato and pineapple came to India from South America, and crystal sugar and black pepper went from India to the world. What does this tell us about the Earth as a shared home? Give one more example of each.

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Answer key

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Q	Answer	Working
1	**(d) the world is one family**	—
2	**(a) peanut**	—
3	**(d) the number zero**	—
4	**(c) northern shoveler**	—
5	**(d) plant and water a tree**	—
6	**(a) 25 days**	2,500 ÷ 100 = 25
7	**(c) 6,500 km**	13 × 500 = 6,500
8	**(c) 364 bags**	7 × 52 = 364
9	**The whole world is one family.**	—
10	**(a) went (b) came**	—
11	**(a) migrant (b) resident**	—
12	**(a) no (b) yes**	—
13	**country; for example India, Asia, Earth.**	house → city or village → state → country → continent → planet
14	**56 saplings**	28 × 2 = 56
15	**395,600 insects**	2300 × 172 = 395600
16	**56 years**	2038 − 1982 = 56
17	**Rivers flow through many countries; clouds and winds carry rain and smoke across borders; birds like rosy starlings fly from Central Asia to India each winter; seeds travel with wind and water.**	—
18	**(a) 22 days (b) 26 days (c) To escape the freezing winter and find food and open water in India.**	3,300 ÷ 150 = 22; + 4
19	**(a) 210 bags (b) 10,920 bags (c) Plastic does not rot; it is carried by rivers and winds to seas and other countries, harming animals everywhere.**	30 × 7 = 210; × 52
20	**Foods, ideas and ways of life travel between countries and become part of everyone's life, so the world is like one family. Any other correct examples (for example tomato or peanut came; yoga or spices went).**	—

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