

Lined writing area with 25 horizontal lines and a vertical margin line on the right.

[15]

Test Paper 4



Text 1 [5 marks]

Read the webpage below and answer Questions 1–4.

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1. Why do you think the company chose the name given in the main heading?  
\_\_\_\_\_ [1]
2. What is the purpose of using words such as 'empirical' and 'optimal' in the text?  
\_\_\_\_\_ [1]
3. Give **two** ways in which the pictures support the points made in the text.  
\_\_\_\_\_  
\_\_\_\_\_ [2]
4. What is the main purpose of this webpage?  
\_\_\_\_\_ [1]

**Text 2** [20 marks]

The text below is about a famous cat who lived in a library. Read it carefully and answer Questions 5–13.

1	He was a yellow tabby with twinkling green eyes who arrived in the overnight drop box of a library one frigid January night. Dewey Readmore Books soon became the library's star boarder and an international celebrity. Dewey, named after the Dewey Decimal System used by libraries to catalogue books, quickly became well known in Spencer, Iowa, USA — a farm town with a population of about 11 000. No one quite knew why the rest of the world cared about him, but they did. Writers and television crews came from all over the country and from as far as Japan to see this famous cat. Vicki Myron, who found and looked after Dewey, explained his attraction as "magic — there is no other word for it."	5
2	Dewey was discovered in the Spencer library's overnight drop box in January 1988, at a time when Iowa was in the midst of an economic chill that had gripped the nation. The timing was relevant, although Spencer is a town that has not changed much since the 1930s, with a downtown of family-owned stores in connecting two- and three-storey brick buildings. The cat's arrival was also considered timely, because Myron, the librarian, who was just working six months at her job, was looking to make the library more like home.	10 15
3	Dewey fit right into that plan. From the start, he had a friendly character, positioning himself for most of the opening hours just inside the door. He responded well to anyone who petted him and before long, the regular library users were claiming that he could recognise them.	20
4	Soon, Dewey became the topic of conversation all over town. Non-library users became so curious that they started pouring into the library. Visits to the library increased from 60 000 a year to more than 100 000. Many newcomers were suffering	

	especially hard from the crippling economy that hit the farming community, and Myron thought that Dewey lifted their spirits and made them a bit more eager to stop off at the library. "He was something to be proud of when Spencer didn't have a lot to be proud of," Myron said. "It was his personality. He was so loving and mellow. He didn't care who you were."	25
5	Some farmers claimed that after he had greeted them, Dewey would lead them to a section of the library where there was a book they would be interested in. One person even claimed that the only time he saw Dewey agitated was when the cat led him to the fiction section, reached up and tried to pull out a book with its claws. The farmer refused to play and he also did not read fiction. Dewey then started wailing so loudly that Myron came over to see if the farmer was maltreating her cat. "Just take the book home," she said to the farmer. "Keep Dewey happy." No one was more surprised than Myron when the farmer returned the book on his next visit. "That book really cheered me up," he admitted. Thus did the story become part of the Dewey legend.	30 35
6	Dewey died on 29 November 2006, at age 19. His ashes were buried in the lawn outside the library. A granite marker was placed at the site. Myron believes his legacy will live on in the book she has written about him. The book has since reached the top ten on American best-seller lists and in the stories people share about him — stories such as a woman whom Myron met. The woman's mother lived in Spencer and would visit Dewey, but after suffering from Alzheimer's disease, she was moved to a care centre in Sioux City. Her memory failed and soon she could only remember her daughter's name — and Dewey's.	40 45
7	As Myron said, Dewey changed lives one lap at a time.	

5. Which word in paragraph 1 informs the reader that the cat's fur has bands of varied colours?  
\_\_\_\_\_ [1]
6. What does the word 'frigid' (line 2) suggest about that night?  
\_\_\_\_\_ [1]
7. (a) Why was Dewey an appropriate name to give the cat?  
\_\_\_\_\_ [1]
- (b) What does the writer mean by calling Dewey 'the library's star boarder' (line 3)?  
\_\_\_\_\_ [1]
- (c) According to paragraph 1, what was unique about Dewey's fame?  
\_\_\_\_\_ [1]

8. (a) Explain what an 'economic chill' (line 11) is.  
 \_\_\_\_\_ [1]
- (b) How might the 'economic chill' (line 11) explain how Dewey came to be in the library?  
 \_\_\_\_\_ [1]
9. (a) Explain **in your own words** what it was about Dewey that 'fit right into that plan' (line 17).  
 \_\_\_\_\_ [1]
- (b) Why was 'positioning himself ... just inside the door' (line 18) significant?  
 \_\_\_\_\_ [1]
10. (a) What made the non-library users 'curious' (line 22)?  
 \_\_\_\_\_ [1]
- (b) What does the word 'crippling' (line 24) tell the reader about the economy?  
 \_\_\_\_\_ [1]
- (c) According to paragraph 4, explain **in your own words** the reasons for Dewey's popularity.  
 \_\_\_\_\_  
 \_\_\_\_\_ [2]
11. 'The farmer refused to play' (line 33). What game did the farmer think he was refusing to play and how was he refusing to play it?  
 \_\_\_\_\_ [1]
12. What does Myron mean by saying that Dewey 'changed lives one lap at a time' (line 47)?  
 \_\_\_\_\_  
 \_\_\_\_\_ [2]



	the features he saw through his telescope. He thought there were streaks on the Martian surface, and referred to them in his publication as <i>canali</i> , the Italian word for channels. That word was, however, mistranslated into English as 'canals'. Before long, theories of an inhabited Mars irrigated by meltwaters from the polar ice caps began to flourish.	20
3	It was simple to create the myth from there. If there was water, there could be life. If there was life, what would creatures living on Mars be like? The famous author, H.G.Wells, put the finishing touch to the myth in his story, <i>The War of the Worlds</i> , in which those little green men of many imaginations threatened planet Earth. The myth-making did not stop there. Some fiction writers with wild imaginations suggested not so long ago that there was some Great Galactic Ghost out there protecting Mars, which was why so many spacecraft sent to Mars have floundered along the way. Others explained this latter fact as being proof that there are indeed Martians and they are destroying all the craft that head their way. It was, alas, all wild speculation.	25 30
4	One sad effect of science is that it can sometimes destroy stories that have been around for a long time and even becoming part of our culture. Nowhere is this more evident than in the case of the tales about the Martians. There was something attractive about the idea of an army of little green men making their way along the banks of the canals of their beloved planet before they attacked Earth. Imagine the disappointment then when, in 1965, Mariner 4, the first space probe to fly past the planet, revealed that Mars had a surface that appeared to have been static for billions of years. The atmosphere was thin, dry and mostly made of carbon dioxide. Life could not have existed there in any form, let alone by little green men who were so intelligent that they could attack Earth.	35 40
5	In the 1970s, the Viking space missions delivered more disappointments. One of the landing craft contained a small reactor to encourage the growth of microorganisms, the easiest form of life. A sample of Martian soil was put into it, but nothing interesting happened. Then, there was a gap of twenty years as three spacecrafts sent to Mars failed in their missions. In 1996, Mars Pathfinder evaded the Galactic Ghost and landed on Mars. Shortly after, Mars Global Surveyor arrived, and the modern era of Martian exploration had begun. There was some good news for the believers. By mapping the surface closely, Surveyor showed that far from being a static world, Mars is actually a dynamic planet whose surface is in constant flux. Cameras showed images of apparently water-carved structures. Mountains twice as high as Everest have been located. Craters ten kilometres deep have been observed. Huge valleys suggest that, at some time, there was more water than anyone had previously imagined. Another theory holds that the floods that carved out the valleys may indeed have been liquid, but perhaps of carbon dioxide and not water.	45 50 55

14. Jane and Ali discuss the first paragraph of the text.



Jane

Our knowledge of Mars is always expanding.



Ali

It is fascinating that mankind has been so interested in Mars.

- (a) Why might the reader know more about Mars now than the writer did when this was written?  
 \_\_\_\_\_ [1]
- (b) What **two** reasons are suggested for mankind’s fascination with Mars?  
 \_\_\_\_\_  
 \_\_\_\_\_ [2]
15. (a) What does the writer mean by saying that the idea of life on Mars ‘has proved fertile ground for many a romantic observer...’ (line 12)?  
 \_\_\_\_\_ [1]
- (b) Explain **in your own words** the origin of the ‘theories of an inhabited Mars irrigated by meltwaters from the polar ice caps...’ (line 20).  
 \_\_\_\_\_  
 \_\_\_\_\_ [2]
16. ‘Some fiction writers with wild imaginations ...’ (line 26) What were some of these wild imaginations?  
 \_\_\_\_\_  
 \_\_\_\_\_ [2]
17. According to paragraph 4, why is life on Mars impossible?  
 \_\_\_\_\_  
 \_\_\_\_\_ [2]