

Writing Segment

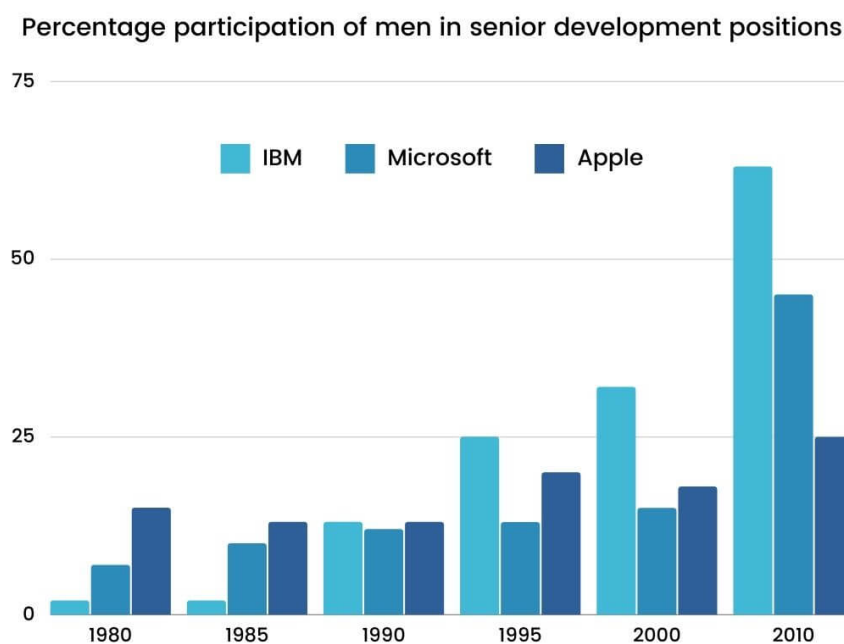
WRITING TASK 1

You should spend about 20 minutes on this task.

The bar chart below shows the percentage participation of men in senior development in three companies between 1980 and the year 2010.

Summarise the information by selecting and reporting on the main features, and make comparisons where relevant.

Write at least 150 words.



WRITING TASK 1 Answer

The graph summarises how the ratio of senior male developers upsurge between 1980 and 2010 in three different tech companies, namely IBM, Microsoft, and Apple. Overall, the proportion of senior male developers in IBM saw a notable rise, even though these developers were in the lowest percentage in the early years.

As the chart presents, Apple accounted for 15% of the men in senior development positions in 1980, which tends to be the highest. On the other hand, Microsoft employed roughly 7% of men in senior developer positions. Talking about IBM, this company alone had 3% males, which is counted as the lowest. After a decade, the ratio of these employees in the firms roughly accounted for 10–12%. Afterward, the male developers' proportion in higher posts in IBM was strikingly amplified. In 2010, over half of the employees in IBM turned out to be male developers, whereas Apple managed to hold nearly one-quarter of these employees. Microsoft took the lead with a proportion as high as 45% in 2010.

Writing task 2

Question type: Direct question essay Question

The tradition that the family gets together to eat meals is disappearing. What are the reasons? What are the impacts?

OR

In many countries, the tradition of families having meals together is disappearing. Why is this happening? What will be the effect of it on the family and society?

Answer:

The traditional family mealtime is indeed becoming a thing of the past. There are some reasons which can explain this changing pattern of behaviour, and there are significant impacts on family life and health.

There are two obvious reasons why families no longer share mealtimes as they used to do in the past. Firstly, children are often too impatient to eat at the table, and parents sometimes allow them to have their meal in front of the TV or sitting in front of the computer. Secondly, the close-knit family is disappearing in the face of economic pressures. In single-parent households or families with working mothers, it can be almost impossible to arrange regular times for meals when all the family is together.

The consequences for family life and children's health are dire. From the perspective of the family, meals taken together are a critical feature of a stable family background. This stability of family routine is an essential factor in shaping children's personality during their formative years. Family mealtimes are a time to share news, give guidance and to make plans together. In terms of children's health, family meals were an opportunity to provide all the family members with a healthier diet, based on wholesome home-made food. Without this routine, children are sometimes left to have snacks, or eat junk food at fast-food chains. Health consequences such as obesity and hyperactivity often result when youngsters fail to eat a balanced diet, such as used to be provided at family mealtimes.

In conclusion, some reasons can be identified for the decline in shared family meals, and the impacts are overwhelmingly negative.

Reading Section

Ant Intelligence

When we think of intelligent members of the animal kingdom, the creatures that spring immediately to mind are apes and monkeys. But in fact the social lives of some members of the insect kingdom are sufficiently complex to suggest more than a hint of intelligence. Among these, the world of the ant has come in for considerable scrutiny lately, and the idea that ants demonstrate sparks of cognition has certainly not been rejected by those involved in these investigations.

Ants store food, repel attackers and use chemical signals to contact one another in case of attack. Such chemical communication can be compared to the human use of visual and auditory channels (as in religious chants, advertising images and jingles, political slogans and martial music) to arouse and propagate moods and attitudes. The biologist Lewis Thomas wrote Ants are so much like human beings as to be an embarrassment. They farm fungi, raise aphids as livestock, launch armies to war, use chemical sprays to alarm and confuse enemies, capture slaves, engage in child labour, exchange information ceaselessly. They do everything but watch television.

However, in ants there is no cultural transmission – everything must be encoded in the genes – whereas in humans the opposite is true. Only basic instincts are carried in the genes of a newborn baby, other skills being learned from others in the community as the child grows up. It may seem that this cultural continuity gives us a huge advantage over ants. They have never mastered fire nor progressed. Their fungus farming and aphid herding crafts are sophisticated when compared to the agricultural skills of humans five thousand-years ago but have been totally overtaken by modern human agribusiness.

Or have they? The farming methods of ants are at least sustainable. They do not ruin environments or use enormous amounts of energy. Moreover, recent evidence suggests that the crop farming of ants may be more sophisticated and adaptable than was thought.

Ants were farmers fifty million years before humans were. Ants can't digest the cellulose in leaves – but some fungi can. The ants therefore cultivate these fungi in their nests, bringing them leaves to feed on, and then use them as a source of food. Farmer ants secrete antibiotics to control other fungi that might act as 'weeds', and spread waste to fertilise the crop.

It was once thought that the fungus that ants cultivate was a single type that they had propagated, essentially unchanged from the distant past. Not so. Ulrich Mueller of Maryland and his colleagues genetically screened 862 different types of fungi taken from ants' nests. These turned out to be highly diverse: it seems that ants are continually domesticating new species. Even more impressively, DNA analysis of the fungi suggests that the ants improve or modify the fungi by regularly swapping and sharing strains with neighboring ant colonies.

Whereas prehistoric man had no exposure to urban lifestyles – the forcing house of intelligence – the evidence suggests that ants have lived in urban settings for close on a hundred million years, developing and maintaining underground cities of specialised chambers and tunnels.

When we survey Mexico City, Tokyo, Los Angeles, we are amazed at what has been accomplished by humans. Yet Hoelldobler and Wilson's magnificent work for ant lovers, the *Ants*, describes a supercolony of the ant *Formica yessensis* on the Ishikari Coast of Hokkaido. This 'megalopolis' was reported to be composed of 360 million workers and a million queens living in 4,500 interconnected nests across a territory of 2.7 square kilometers.

Such enduring and intricately meshed levels of technical achievement outstrip by far anything achieved by our distant ancestors. We hail as masterpieces the cave paintings in southern France and elsewhere, dating back some 20,000 years. Ant societies existed in something like their present form more than seventy million years ago. Beside this, prehistoric man looks technologically primitive. Is this then some kind of intelligence, albeit of a different kind?

Research conducted at Oxford, Sussex and Zurich Universities has shown that when; desert ants return from a foraging trip, they navigate by integrating bearings and distances, which they continuously update their heads. They combine the evidence of visual landmarks with a mental library of local directions, all within a framework which is consulted and updated. So ants can learn too.

And in a twelve-year programme of work, Ryabko and Reznikova have found evidence that ants can transmit very complex messages. Scouts who had located food in a maze returned to mobilise their foraging teams. They engaged in contact sessions, at the end of which the scout was removed in order to observe what her team might do. Often the foragers proceeded to the exact spot in the maze where the food had been. Elaborate precautions were taken to prevent the foraging team using odour clues. Discussion now centers on whether the route through the maze is communicated as a 'left-right sequence of turns or as a 'compass bearing and distance' message. During the course of this exhaustive study, Reznikova has grown so attached to her laboratory ants that she feels she knows them as individuals – even without the paint spots used to mark them. It's no surprise that Edward Wilson, in his essay, 'In the company of ants', advises readers who ask what to do with the ants in their kitchen to: 'Watch where you step. Be careful of little lives.'

Questions 1-6

Do the following statements agree with the information given in Reading Passage 1? In boxes 1-6 on your answer sheet, write:

TRUE if the statement agrees with the information

FALSE if the statement contradicts the information

NOT GIVEN if there is no information on this

- 1 Ants use the same channels of communication as humans do.
- 2 City life is one factor that encourages the development of intelligence.
- 3 Ants can build large cities more quickly than humans do.
- 4 Some ants
can find their way by making calculations based on distance and position.
- 5 In one experiment, foraging teams were able to use their sense of smell to find food.
- 6 The essay 'In the company of ants' explores ant communication.

Questions 7-13

Complete the summary using the list of words, A-O, below. Write the correct letter, A-O, in boxes 7-13 on your answer sheet.

Ants as farmers

Ants have sophisticated methods of farming, including herding livestock and growing crops, which are in many ways similar to those used in human agriculture. The ants cultivate a large number of different species of edible fungi which convert (7)..... into a form which they can digest. They use their own natural (8)..... as weed-killers and also use unwanted materials as (9)..... Genetic analysis shows they constantly upgrade these fungi by developing new species and by (10)..... species with neighboring ant colonies. In fact, the farming methods of ants could be said to be more advanced than human agribusiness, since they use (11)..... methods, they do not affect the (12)..... and do not waste (13).....

A aphids	B agricultural	C cellulose	D exchanging
E energy	F fertilizers	G food	H fungi
I growing	J interbreeding	K natural	L other species
M secretions	N sustainable	O environment	

Population Movement and Genetics

- A. Study of the origins and distribution of human populations used to be based on archaeological and fossil evidence. A number of techniques developed since the 1950s, however, have placed the study of these subjects on a sounder and more objective footing. The best information on early population movements is now being obtained from the 'archaeology of the living body', the clues to be found in genetic material.
- B. Recent work on the problem of when people first entered the Americas is an example of the value of these new techniques. North-east Asia and Siberia have long been accepted as the launching ground for the first human colonisers of the New World*. But was there one major wave of migration across the Bering Strait into the Americas, or several? And when did this event, or events, take place? In recent years, new clues have come from research into genetics, including the distribution of genetic markers in modern Native Americans.
- C. An important project, led by the biological anthropologist Robert Williams, focused on the variants (called Gm allotypes) of one particular protein – immunoglobulin G – found in the fluid portion of human blood. All proteins 'drift', or produce variants, over the generations, and members of an interbreeding human population will share a set of such variants. Thus, by comparing the Gm allotypes of

two different populations (e.g. two Indian tribes), one can establish their genetic 'distance', which itself can be calibrated to give an indication of the length of time since these populations last interbred.

- D. Williams and his colleagues sampled the blood of over 5,000 American Indians in western North America during a twenty- year period. They found that their Gm allotypes could be divided into two groups, one of which also corresponded to the genetic typing of Central and South American Indians. Other tests showed that the Inuit (or Eskimo) and Aleut formed a third group. From this evidence it was deduced that there had been three major waves of migration across the Bering Strait. The first, Paleo-indian, wave more than 15,000 years ago was ancestral to all Central and South American Indians. The second wave, about 14,000-12,000 years ago, brought Na-Dene hunters, ancestors of the Navajo and Apache (who only migrated south from Canada about 600 or 700 years ago). The third wave, perhaps 10,000 or 9,000 years ago, saw the migration from North-east Asia of groups ancestral to the modern Eskimo and Aleut.
- E. How far does other research support these conclusions? Geneticist Douglas Wallace has studied mitochondrial DNA in blood samples from three widely separated Native American groups: Pima- Papago Indians in Arizona, Maya Indians on the Yucatan peninsula, Mexico, and Ticuna Indians in the Upper Amazon region of Brazil. As would have been predicted by Robert Williams's work, all three groups appear to be descended from the same ancestral (Paleo-indian) population.
- F. There are two other kinds of research that have thrown some light on the origins of the Native American population; they involve the study of teeth and of languages. The biological anthropologist Christy Turner is an expert in the analysis of changing physical characteristics in human teeth. He argues that tooth crowns and roots have a high genetic component, minimally affected by environmental and other factors. Studies carried out by Turner of many thousands of New and Old World specimens, both ancient and modern, suggest that the majority of prehistoric Americans are linked to Northern Asian populations by crown and root traits such as incisor shoveling (a scooping out on one or both surfaces of the tooth), single-rooted

upper first premolars and triple-rooted lower first molars. According to Turner, this ties in with the idea of a single Paleo-indian migration out of North Asia, which he sets at before 14,000 years ago by calibrating rates of dental micro-evolution. Tooth analyses also suggest that there were two later migrations of Na-Denes and Eskimo- Aleut.

- G. The linguist Joseph Greenberg has, since the 1950s, argued that all Native American languages belong to a single 'Amerind' family, except for Na-Dene and Eskimo-Aleut – a view that gives credence to the idea of three main migrations. Greenberg is in a minority among fellow linguists, most of whom favour the notion of a great many waves of migration to account for the more than 1,000 languages spoken at one time by American Indians. But there is no doubt that the new genetic and dental evidence provides strong backing for Greenberg's view. Dates given for the migrations should nevertheless be treated with caution, except where supported by hard archaeological evidence.

Questions 14–19

Reading Passage 2 has seven sections, A–G. Choose the correct headings for sections A–F from the list of headings below. Write the correct number, i–x, in boxes 14–19 on your answer sheet.

List of Headings

- i The results of the research into blood-variants
- ii . Dental evidence
- iii. Greenberg's analysis of the dental and linguistic evidence
- iv. Developments in the methods used to study early population movements
- v. Indian migration from Canada to the U.S.A.

vi .Further genetic evidence relating to the three-wave theory

vii .Long-standing questions about prehistoric migration to America

vii.i Conflicting views of the three-wave theory, based on non-genetic Evidence

ix. Questions about the causes of prehistoric migration to America

x. How analysis of blood-variants measures the closeness of the relationship between different populations

14 Passage A

15 Passage B

16 Passage C

17 Passage D

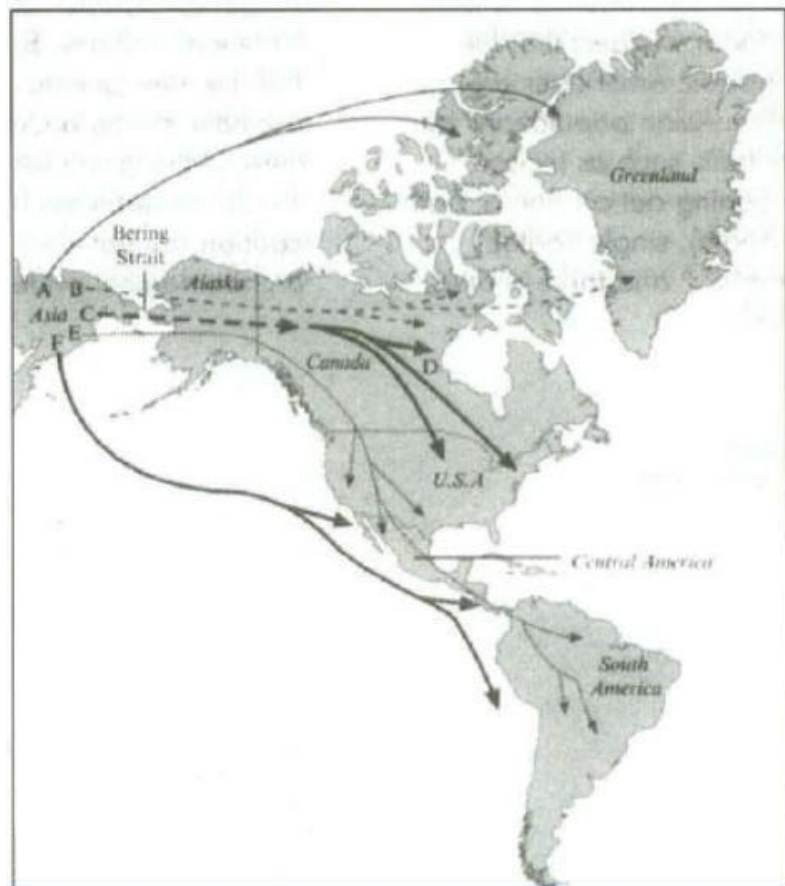
18 Passage E

19 Passage F

Example Section G viii

Questions 20 and 21

The discussion of Williams's research indicates the periods at which early people are thought to have migrated along certain routes. There are six routes, A-F, marked on the map below.



Complete the form below. Write the correct letter A-F in boxes 20 and 21 on your answer sheet.

Route	Period (number of years ago)
(20).....	15,000 or more
(21).....	600 to 700

Questions 22–25

Reading Passage 2 refers to the three-wave theory of early migration to the Americas. It also suggests in which of these three waves the ancestors of various groups of modern native Americans first reached the continent. Classify the groups named in the table below as originating from

A the first wave

B the second wave

C the third wave

Write the correct letter, A, B or C, in boxes 22–25 on your answer sheet.



Name of group	Wave number
Inuit	(22).....
Apache	(23).....
Pima-Papago	(24).....
Ticuna	(25).....

Question 26

Choose the correct letter A, B, C or D. Write the correct letter in box 26 on your answer sheet.

Christy Turner's research involved the examination of

- A** teeth from both prehistoric and modern Americans and Asians
- B** thousands of people who live in either the New or the Old World
- C** dental specimens from the majority of prehistoric Americans
- D** the eating habits of American and Asian populations

Reading Passage 3

Forests are one of the main elements of our natural heritage. The decline of Europe's forests over the last decade and a half has led to an increasing awareness and understanding of the serious imbalances which threaten them. European countries are becoming increasingly concerned by major threats to European forests, threats which know no frontiers other than those of geography or climate: air pollution, soil deterioration, the increasing number of forest fires and sometimes even the mismanagement of our woodland and forest heritage. There has been a growing awareness of the need for countries to get together to coordinate their policies. In December 1990, Strasbourg hosted the first Ministerial Conference on the protection of Europe's forests. The conference brought together 31 countries from both Western and Eastern Europe. The topics discussed included the coordinated study of the destruction of forests, as well as how to combat forest fires and the extension of European research programs on the forest ecosystem. The preparatory work for the conference had been undertaken at two meetings of experts. Their initial task was to decide which of the many forest problems of concern to Europe involved the largest number of countries and might be the subject of joint action. Those confined to particular geographical areas, such as countries bordering the Mediterranean or the Nordic countries therefore had to be discarded. However, this does not mean that in future they will be ignored.

As a whole, European countries see forests as performing a triple function: biological, economic and recreational. The first is to act as a 'green lung' for our planet; by means of photosynthesis, forests produce oxygen through the transformation of solar energy, thus fulfilling what for humans is the essential role of an immense, non-polluting power plant. At the same time, forests provide raw materials for human activities through their constantly renewed production of wood. Finally, they offer those condemned to spend five days a week in an urban environment an unrivaled area of freedom to unwind and take part in a range of leisure activities, such as hunting, riding and hiking. The economic importance of forests has been understood since the dawn of man – wood was the first fuel. The other aspects have been recognised only for a few centuries but they are becoming more and more important. Hence, there

is a real concern throughout Europe about the damage to the forest environment which threatens these three basic roles.

The myth of the 'natural' forest has survived, yet there are effectively no remaining 'primary' forests in Europe. All European forests are artificial, having been adapted and exploited by man for thousands of years. This means that a forest policy is vital, that it must transcend national frontiers and generations of people, and that it must allow for the inevitable changes that take place in the forests, in needs, and hence in policy. The Strasbourg conference was one of the first events on such a scale to reach this conclusion. A general declaration was made that 'a central place in any ecologically coherent forest policy must be given to continuity over time and to the possible effects of unforeseen events, to ensure that the full potential of these forests is maintained.

That general declaration was accompanied by six detailed resolutions to assist national policy-making. The first proposes the extension and systematisation of surveillance sites to monitor forest decline. Forest decline is still poorly understood but leads to the loss of a high proportion of a tree's needles or leaves. The entire continent and the majority of species are now affected: between 30% and 50% of the tree population. The condition appears to result from the cumulative effect of a number of factors, with atmospheric pollutants the principal culprits.

Compounds of nitrogen and sulphur dioxide should be particularly closely watched. However, their effects are probably accentuated by climatic factors, such as drought and hard winters, or soil imbalances such as soil acidification, which damages the roots. The second resolution concentrates on the need to preserve the genetic diversity of European forests. The aim is to reverse the decline in the number of tree species or at least to preserve the 'genetic material' of all of them. Although forest fires do not affect all of Europe to the same extent, the amount of damage caused the experts to propose as the third resolution that the Strasbourg conference consider the establishment of a European databank on the subject.

All information used in the development of national preventative policies would become generally available. The subject of the fourth resolution

discussed by the ministers was mountain forests. In Europe, it is undoubtedly the mountain ecosystem which has changed most rapidly and is most at risk. A thinly scattered permanent population and development of leisure activities, particularly skiing, have resulted in significant long-term changes to the local ecosystems. Proposed developments include a preferential research program on mountain forests. The fifth resolution relaunched the European research network on the physiology of trees, called Eurosilva. Eurosilva should support joint European research on tree diseases and their physiological and biochemical aspects. Each country concerned could increase the number of scholarships and other financial support for doctoral theses and research projects in this area. Finally, the conference established the framework for a European research network on forest ecosystems. This would also involve harmonising activities in individual countries as well as identifying a number of priority research topics relating to the protection of forests. The Strasbourg conference's main concern was to provide for the future. This was the initial motivation, one now shared by all 31 participants representing 31 European countries. Their final text commits them to on-going discussion between government representatives with responsibility for forests.

Questions 27–33

Do the following statements agree with the information given in Reading Passage 3? In boxes 27–33 on your answer sheet, write

TRUE if the statement agrees with the information

FALSE if the statement contradicts the information

NOT GIVEN if there is no information on this

27 Forest problems of Mediterranean countries are to be discussed at the next meeting of experts.

28 Problems in Nordic countries were excluded because they are outside the European Economic Community.

29 Forests are a renewable source of raw material.

30 The biological functions of forests were recognised only in the twentieth century.

31 Natural forests still exist in parts of Europe.

32 Forest policy should be limited by national boundaries.

33 The Strasbourg conference decided that a forest policy must allow for the possibility of change.

Questions 34–39

Look at the following statements issued by the conference.

Which SIX of the following statements. A–J, refer to the resolutions that were issued?

Match the statements with the appropriate resolutions (Questions 34–39).

- A. All kinds of species of trees should be preserved.
- B. Fragile mountain forests should be given priority in research programs.
- C. The surviving natural forests of Europe do not need priority treatment.
- D. Research is to be better coordinated throughout Europe.
- E. Information on forest fires should be collected and shared.
- F. Loss Of leaves from trees should be more extensively and carefully monitored.
- G. Resources should be allocated to research into tree diseases.
- H. Skiing should be encouraged in thinly populated areas.

- I. Soil imbalances such as acidification should be treated with compounds of nitrogen and sulphur.
- J. Information is to be systematically gathered on any decline in the condition of forests.

34 Resolution 1

35 Resolution 2

36 Resolution 3

37 Resolution 4

38 Resolution 5

39 Resolution 6

Question 40

Choose the correct letter, A, B, C or D. Write the correct letter in box 40 on your answer sheet

40 What is the best title for Reading Passage 3?

- A. The biological, economic and recreational role of forests
- B. Plans to protect the forests of Europe
- C. The priority of European research into ecosystems
- D. Proposals for a world-wide policy on forest management

Answer: 1 FALSE, 2 TRUE, 3 NOT GIVEN, 4 TRUE, 5 FALSE, 6 NOT GIVEN,

7 C, 8 M, 9 F, 10 D, 11 N, 12 O, 13 E.

Answer:

14 iv, 15 vii, 16 x, 17 i, 18 vi, 19 ii,

20 E, 21 D,

22 C, 23 B, 24 A, 25 A,

26 A

27 NOT GIVEN, 28 FALSE, 29 TRUE, 30 FALSE, 31 FALSE, 32 FALSE, 33 TRUE,

34 J, 35 A, 36 E, 37 B, 38 G, 39 D, 40 B.

Speaking Segment

Speaking Part 2:

Describe something you do to forget about work or study.

You should say:

- What the activity is
- How often you do it
- How it helps you forget

And say whether you would recommend other people try the same thing.

Answer:

I'd like to talk about horse-riding, which has been my hobby since I was around ten years old. I'm actually the joint owner of a horse with two of my friends and we take turns looking after him, cleaning out the stable and so on. I don't have a part-time job so I spend most of my weekends at the stable. Taking care of a horse is quite a dirty business so it's obviously very different from studying at college. That means I can forget about my classes during the week when I'm at the stable on the weekend. There's quite a large field next to the stable and I just get a wonderful sense of freedom when I'm riding around on my horse. College seems a million miles away! Do I think other people would enjoy horse-riding? Yes, absolutely. I think everyone should give it a try. Horses are absolutely wonderful animals, very gentle and intelligent. If you ever have the chance to ride a horse, you should definitely give it a try.

Listening Segment**QUESTIONS 1-10**

Audio:

https://drive.google.com/drive/folders/16y9j5mp0XE4b2CMFUzmg_EQld-PZyxkK

Complete the information below. Write NO MORE THAN TWO WORDS OR A NUMBER for each answer.

Joining a Book Club**Member information:**

Name: Terry 1. _____

Age: 18

Occupation:

- 2. _____
- part-time 3. _____

Contact number: 4. _____

Residence: 5. _____, Windsea College

Email: 6. _____460@gmail.com

Favourite genres: horror, science fiction and 7. _____

Club information:

Meetings: Sunday, 8. _____ and Friday at 9. _____

Facebook group: 10. _____ Book Club

Answers:

1. Bernerd
2. student
3. librarian
4. 08764465353
5. Bucknorth Hall

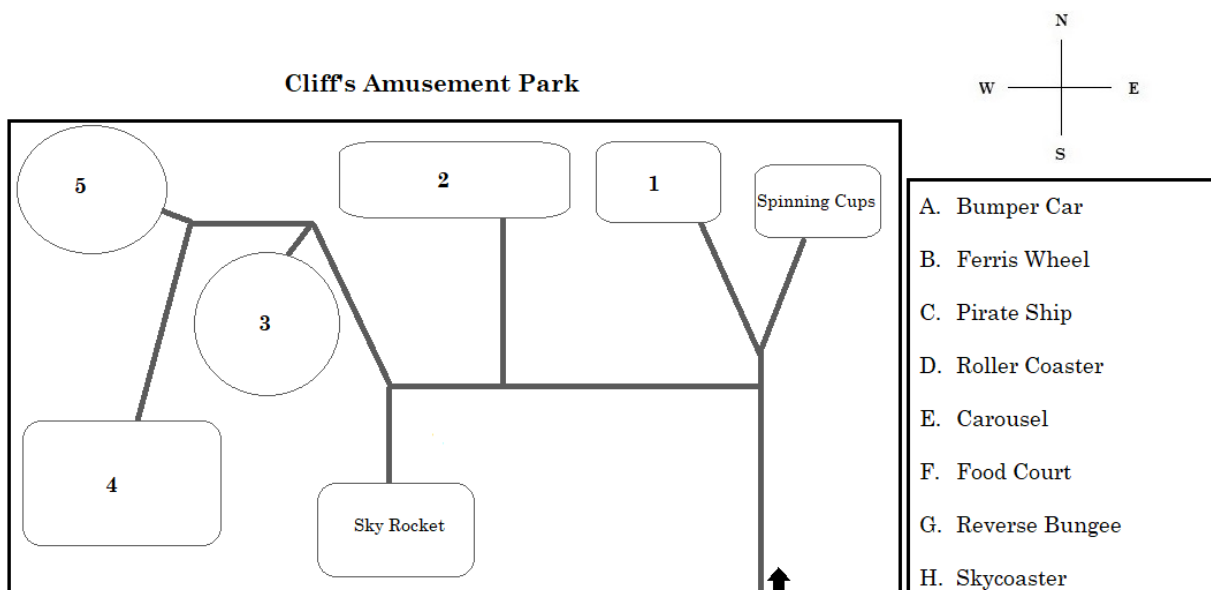
6. bernerd
7. romance
8. Wednesday
9. 6 pm
10. Blazing Sun

Questions 1-5:

Audio: <https://drive.google.com/file/d/1Djl7sDsCjcw9KFAYbbV62UxD0ueKcRYN/view>

Label the plan below

Choose five answers from the box and write the correct letters A-J next to questions 1-5.



Answer Key:

1. F
2. D
3. E
4. C
5. B

Questions 1-7

Audio

[:https://drive.google.com/file/d/1iUwsFygOayPSwWdTjBdxJcGmqSzDhZzt/view](https://drive.google.com/file/d/1iUwsFygOayPSwWdTjBdxJcGmqSzDhZzt/view)

- 1) When does John register for classes?
 - a) He registered last Friday
 - b) He will register this Friday
 - c) He will register this Sunday
 - d) He will register this Thursday
- 2) Why is there a problem registering for the communications class?
 - a) Because it is very popular and becomes full early
 - b) Because the university doesn't have a professor for that class yet
 - c) Because the class gets cancelled due to lack of students
 - d) All of the above
- 3) In this dialogue, what does the class 201 concentrate on?
 - a) Thesis
 - b) Writing
 - c) Reading and comprehension
 - d) Non-fiction books
- 4) Which professor did John's friend have for English 201?
 - a) Professor Malinda
 - b) Professor Jeff
 - c) Professor Mahoney
 - d) Professor Skinner

- 5) What grade did John's friend get in the English 201 course?
- a) 3.9
 - b) 3.8
 - c) 4.0
 - d) 2.5
- 6) What grade did John's friend get in the English 101 course?
- a) 3.9
 - b) 3.8
 - c) 4.0
 - d) 2.5
- 7) Why did the student get a lower grade in English 201 compared to English 101?
- a) Because English 101 was easier
 - b) Because the class was much harder
 - c) Because he was partying too much
 - d) Because he didn't study as much

Answers:

- 1) He will register this Friday
- 2) Because it is very popular and becomes full early
- 3) Writing
- 4) Professor Mahoney**
- 5) 3.8
- 6) 4.0
- 7) Because he didn't study as much

Questions 1–10(No more than 2 words)**Audio**

<https://drive.google.com/file/d/1gztw6Lo85IYi3SOz5-Pz05xZC8AbykuE/view>

Marie Curie is the (1) _____ woman to win a Nobel prize as well as the (2) _____ to win Nobel prizes in (3) _____ different scientific fields. She was born in Poland and both of her parents were (4) _____ .

To attend (5) _____ , she moved to Paris in 1891. She had her degrees in physics and (6) _____ . She got married in 1895. She and her (7) _____ discovered the elements polonium and radium. These elements are radioactive. As a result, the couple suffered from (8) _____ illnesses.

Marie won her first Nobel prize in (9) _____ . After her husband's death, she continued her work and won her second Nobel prize in 1911. She contributed massively during World War 1 and founded the Curie Institutes in (10) _____ and Warsaw.

She died at the age of 66 but left a great legacy behind.

Answer keys

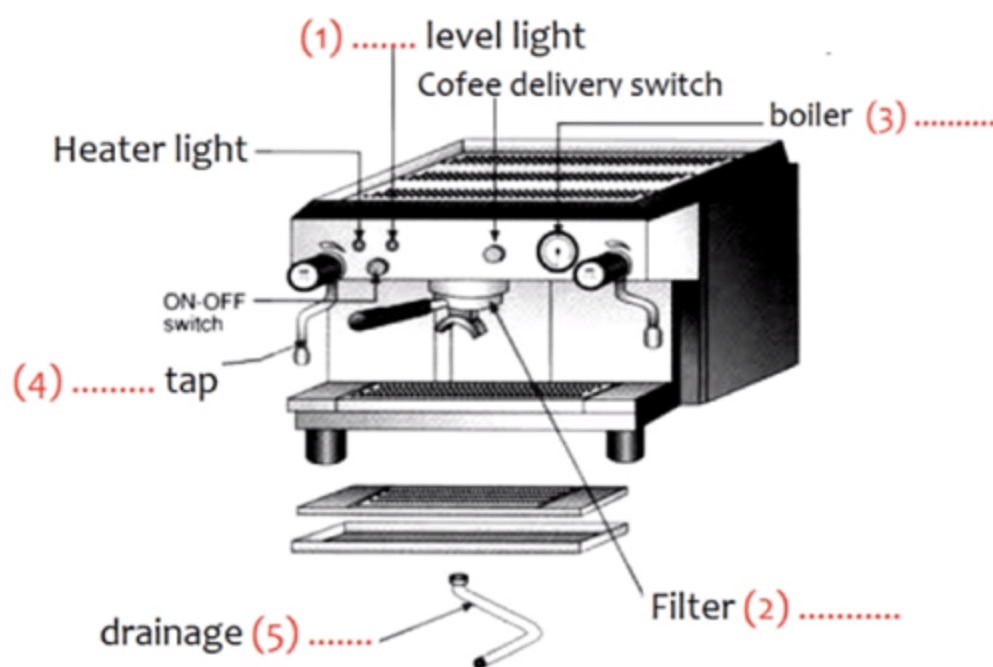
1. first
2. only person
3. two
4. teachers
5. university
6. mathematics
7. husband
8. radiation
9. 1903
10. Paris

Questions 1-5

Audio: https://drive.google.com/file/d/1eWsNDnweaTqgHhOcYW_KZyDBzlpqH9jW/view

Complete the diagram below.

Write ONE WORD ONLY for each answer.



Answers 1-5: 1. water 2. holder 3. meter 4. steam 5. pipe

Questions 1-10

Audio: https://drive.google.com/file/d/1VxsO5f-zoMkQvyP4XGaHamL_4hYvGdEi/view

The Padma Bridge is the longest over (1) _____ in terms of both (2) _____ and the total length. It is the first bridge in Bangladesh to have two levels of (3) _____ system.

The upper section will be used as the (4)_____ and the bottom section will be used as the (5)_____. This project is referred to as the most (6)_____ project till now.

The sand of Padma is very slippery so the (7)_____ has to be made very deeply so that the land does not get washed away. This bridge will connect the (8)_____ part to the (9)_____ part of Bangladesh. After the inauguration of this bridge, it is assumed that the (10)_____ of Bangladesh will increase.

Answer keys:

1. Ganges
2. Spans
3. Transportation
4. Highway
5. Railway
6. Challenging
7. Piling
8. South-west
9. North-east
10. GDP