SECTION 2 *Questions 15–27*

Read the text below and answer Questions 15–20.

Kenichi Software: security guidelines for staff

General
It is in everyone's interest to maintain a high level of security in the workplace. You should immediately challenge any person who appears to be on the premises without proper authorisation, or inform a senior member of staff about any odd or unusual activity.

Company Property
You are advised that it is within the company's legal rights to detain any person on the grounds that they may be involved in the unauthorised removal of company property. The company reserves the right to search staff members leaving or entering the premises and to inspect any article or motor vehicle on company property. It is a condition of employment that you submit to such action if requested.

It is in your own interest to ensure that you have proper authority before removing any item of company property from a company building. Any member found removing company property from the building without proper authority will be subject to disciplinary action.

Identity Badges
You will be issued with an identity badge, which should be worn at all times when you are on company premises. The purpose of these badges is to safeguard our security. Badges are issued by Human Resources, and contractors and people visiting the company on a one-off basis are also obliged to wear them.

Confidential Matters
In the course of your work you may have access to information relating to the company's business, or that of a supplier or customer. Such material, even where it appears comparatively trivial, can have a serious effect on the company, supplier or customer if it falls into the wrong hands. It is, therefore, essential that you should at all times be aware of the serious view the company would take of disclosure of such material to outsiders.

You must treat as confidential all information, data, specifications, drawings and all documents relating to the company's business and/or its trading activities, and not divulge, use, or employ them except in the company's service. Before you leave the company, you must hand over to your manager all private notes relevant to the company's business, activities, prices, accounts, costs etc. Legal proceedings may be initiated for any misuse or unauthorised disclosure of such confidential information, whether during employment or afterwards.

LIVEWORKSHEETS

Questions 15–20

Complete the sentences below.

*Choose **NO MORE THAN TWO WORDS** from the text for each answer.*

Write your answers in boxes 15–20 on your answer sheet.

15 If you see anything suspicious, you should report it to a ..... employee.

16 If the company wants to stop you and ..... you, you have to agree to it.

17 If you take things belonging to the company without permission, you will face ..... .

18 Staff, ... and visitors must all wear a badge on company premises.

19 You must not pass on confidential information to ..... .

20 If you leave the company, you have to hand in any ..... you have made on matters concerning the company.

LIVEWORKSHEETS

SECTION 2 *Questions 15–27*

Read the text below and answer Questions 15–20.

Professional Credentials: Advice for Immigrants

As an immigrant to North America, you will need to ensure that employers and organisations such as colleges and universities properly recognise your international credentials. These may be trade certificates, but also educational qualifications such as degrees or diplomas, that you have completed or partially-completed.

It is common for hiring personnel to have little or no training in evaluating an academic background earned outside of North America. But at the same time, employers see formal education as very important when hiring. Education is a hiring requirement for 60% of employment opportunities, but 40% of human resources staff say that if they do not know a lot about the value of documents attained elsewhere, they will not recognise them.

Research has shown that sometimes immigrants start with a lower salary level than people who have completed their training in North America. You may want to apply for employment opportunities with companies whose staff understands your situation or, more importantly, who know where to send you to get your North American qualifications. If you need to complete your training in North America, apprenticeships leading to skilled trades are in high demand. Apprenticeship training is a hands-on program where about 10% is in a classroom setting at community colleges, and 90% of the training is on-the-job. The training involves working for an employer and earning income during the training period. Sometimes there is a limit of 5 years for training. You may be able to use this training toward college or university credits or education. There is a good potential for long-term job security after completion of apprenticeship training.

If you earned your papers outside of North America, you will need to get them translated if you want to work or study. It is important for you that your education is assessed by an accredited assessment service when you are applying for jobs, and particularly if the job posting has an education requirement. As well, it is recommended that you include a copy of the report with your cover letter. It is suggested that you provide this information early and do not wait until the time you actually meet with the employer. Getting job interviews is more than 50% of the whole process of securing employment; and with an evaluation report, you want to make sure that employers are screening you 'in' rather than 'out'.

Establishing yourself in North America is a difficult process, but companies do consider integrating immigrants into the workforce important to the workplace mosaic. Employers are making significant progress in improving diversity at work.

LIVEWORKSHEETS

Questions 15–20

Complete the sentences below.

*Choose **NO MORE THAN TWO WORDS** from the text for each answer.*

Write your answers in boxes 15–20 on your answer sheet.

15 New arrivals to North America need to make sure that their academic qualifications or their ..... are accepted.

16 A significant number of companies view ..... as a major requirement.

17 People educated in North America may initially be offered a higher ..... than immigrants.

18 ..... courses often provide more job stability.

19 Most of the effort to find work is spent trying to obtain ..... .

20 As more newcomers enter the workforce, ... increases.

LIVEWORKSHEETS

PASSAGE 3

The sudden death of her husband in 1906 was a bitter blow to Marie Curie, but was also a turning point in her career: henceforth she was to devote all her energy to completing alone the scientific work that they had undertaken. On May 19, 1906, she was appointed to the professorship that had been left vacant on her husband's death, becoming the first woman to teach at the Sorbonne. In 1911 she was awarded the Nobel Prize for Chemistry for the isolation of a pure form of radium.

During World War I, Marie Curie, with the help of her daughter Irene, devoted herself to the development of the use of X—radiography, including the mobile units which came to be known as 'little Curies', used for the treatment of wounded soldiers. In 1918 the Radium Institute, whose staff Irene had joined, began to operate in earnest, and became a centre for nuclear physics and chemistry. Marie Curie, now at the highest point of her fame and, from 1922, a member of the Academy of Medicine, researched the chemistry of radioactive substances and their medical applications

In 1921, accompanied by her two daughters, Marie Curie made a triumphant journey to the United States to raise funds for research on radium. Women there presented her with a gram of radium for her campaign. Marie also gave lectures in Belgium. Brazil, Spain and Czechoslovakia and, in addition, had the satisfaction of seeing the development of the Curie Foundation in Paris. and the inauguration in 1932 in Warsaw of the Radium Institute, where her sister Bronia became director.

One of Marie Curie's outstanding achievements was to have understood the need to accumulate intense radioactive sources, not only to treat illness but also to maintain an abundant supply for research. The existence in Paris at the Radium Institute of a stock of grams of radium made a decisive contribution to the success of the experiments undertaken in the years around 1930. This work prepared the way for the discovery of the neutron by Sir James Chadwick and, above all, for the discovery in 1934 by Irene and Frédéric Joliot- Curie of artificial radioactivity. A few months after this discovery, Marie Curie died as a result of leukaemia caused by exposure to radiation. She had often carried test tubes containing radioactive isotopes in her pocket, remarking on the pretty blue-green light they gave off.

Her contribution to physics had been immense, not only in her own work, the importance of which had been demonstrated by her two Nobel Prizes, but because of her influence on subsequent generations of nuclear physicists and chemists.

LIVEWORKSHEETS

Choose **ONE WORD** from the passage for each answer

In 1911, Marie Curie received recognition for her work on the element **9**.....

Marie and Irene Curie developed X-radiography which was used as a medical technique for **10** ..... .

Marie Curie saw the importance of collecting radioactive material both for research and for cases of **11** .....

The radioactive material stocked in Paris contributed to the discoveries in the 1930s of the **12** ..... and of what was known as artificial radioactivity.

During her research, Marie Curie was exposed to radiation and as a result she suffered from **13** .....

LIVEWORKSHEETS

PASSAGE 4

The roots of clog dancing go back several hundred years, and lie in traditional dances of the Dutch, Native Americans and African-Americans, in which the dancer strikes the ground with their heel or toes, to produce a rhythm that's audible to everyone around. In England, clogging is believed to have first developed in the mid-19th century in the cotton mills of Lancashire, in the north-west, where workers created a dance that imitated the sound of the machinery. The style quickly spread and developed a number of regional variations. In Northumberland, it became a recreation for miners, who danced solo or to the accompaniment of a fiddle.

"The Northumberland style is very distinct from Lancashire clogging," says Laura Connolly, a virtuoso dancer who worked with Hazlewood on the programme. "Northumbrian dancing is quite neat and precise with almost no upper-body movement, whereas the Lancastrian style is more flamboyant."

Whatever the region, clogging remains very much a minority pursuit. Yet at the turn of the 20th century, clogging was a fully-fledged youth craze. Two famous comic film actors, Stan Laurel and Charlie Chaplin, both began their careers as cloggers. But the dance almost completely died out with the passing of the industrial age. "People danced in clogs because they were cheap, hardwearing and easily repaired," Connolly says. "Yet eventually clogs became associated with poverty and people were almost ashamed to wear them."

*Choose **ONE WORD ONLY** from the text for each answer.*

The origins of clog dancing

- Originated in the Netherlands and North America
- In England, probably invented by factory workers copying the noise made by the **38**..... in mills
- In Northumberland, was danced by **39**.....
- Very popular in the early 20th century
- Lost popularity when clogs were thought to indicate **40**.....

LIVEWORKSHEETS

PASSAGE 5

Glass, which has been made since the time of the Mesopotamians and Egyptians, is little more than a mixture of sand, soda ash and lime. When heated to about 1500 degrees Celsius (°C) this becomes a molten mass that hardens when slowly cooled. The first successful method for making clear and flat glass involved spinning. This method was very effective as the glass had not touched any surfaces between being soft and becoming hard, so it stayed perfectly unblemished, with a 'fire finish'. However, the process took a long time and was labour intensive.

Nevertheless, demand for flat glass was very high and glassmakers across the world were looking for a method of making it continuously. The first continuous ribbon process involved squeezing molten glass through two hot rollers, similar to an old mangle. This allowed glass of virtually any thickness to be made non-stop, but the rollers would leave both sides of the glass marked, and these would then need to be ground and polished. This part of the process rubbed away around 20 per cent of the glass, and the machines were very expensive.

Choose **NO MORE THAN TWO WORDS** from the passage for each answer.

Early methods of producing flat glass

Method	**Advantages**	**Disadvantages**
1.....	• Glass Remained **2**.....	• Slow • **3**.....
Ribbon	• Could produce glass sheets of varying **4**..... • Non-stop process	• Glass was **5**..... • 20% of glass rubbed away • Machines were expensive

LIVEWORKSHEETS

PASSAGE 6

Miller explains that he first really understood the impact that swarm behaviour could have on humans when he read a study of honeybees Tom Seeley, a biologist at Cornell University. The honeybees choose as a group which new nest to move to. First, scouts fly off to investigate multiple sites. When they return they do a "waggle dance" for their spot, and other scouts will then fly off and investigate it. Many bees go out, but none tries to compare all sites. Each reports back on just one. The more they liked the nest, the more vigorous and lengthy their waggle dance and the more bees will choose to visit it. Gradually the volume of bees builds up towards one site; it's a system that ensures that support for the best site snowballs and that the decision is made in the most democratic way.

Questions 10–13

Complete the flow-chart below.

*Choose **NO MORE THAN TWO WORDS** from the text for each answer.*

Write your answers in boxes 10–13 on your answer sheet.

How honeybees choose a new nest

Honeybee **10** ..... explore possible nest sites

↓

they perform what is known as a **11** ..... on their return

↓

other bees go out and report back

↓

enthusiasm and **12** ..... increase for one particular site

↓

a final choice is reached using a **13** ..... process

LIVEWORKSHEETS