Name & Surname:

Entrance Test: International Bachelor
Sunday 12th of August 2018
Duration: 120 min.

No documents allowed -please switch off your mobile phone

Part 1: Problem solving & Quantitative reasoning 20 points - Indicative time: 90 minutes

Part 2: General Knowledge of Economics and Management 10 points - Indicative time: 30 minutes

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Part 1: Problem solving & Quantitative reasoning 20 points - Indicative time: 90 minutes

Write your answer in the blank space below the question

Q1. Chelsea invests $1200 at 5% interest. How much additional money must she invest at 8% so that her total annual income will be equal to 6% of her entire investment?

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Q2. In Boeng Keng Kang high school, 20 percent of the students are musicians. In Sangkat Olympic high school, 25 percent of the students are musicians. If Sangkat high school has 60 percent more students than BKK high school then the number of musicians in Sangkat high school is what percent of the musicians in BKK?

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Q3. The sum of prime numbers between 110 and 125 is?

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Q4. Louise is traveling from Battambang to Phnom Penh, a distance of 80 km, at a rate of 25 km/h. Fred is traveling from Phnom Penh to Battambang at a rate of 35 km/h but leaves 1h after Louise. They are both traveling on the same route. How long will have Fred traveled by the time he passes Louise?

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Q5. An apartment building has 200 tenants, 80% of whom use the amenities. Of the people who use the amenities, 90 use the indoor pool and 130 use the fitness room. How many tenants use both the indoor pool and the fitness room?

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Q6. The students grades for the exam are 30 37 28 42 51 19 24 22 38? And the average score is 31,6. Find the missing grade.

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Q7. Arya spends half of her spare time studying, ⅛ playing music, ¼ dancing and the rest seeing her friends. She gets 44 hours of spare time each week. What time does she spend doing each thing?

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Q8. In average, one student spends every day (24h) as much time in class as he spends working, twice more time playing, 1,5 times helping his/her parents, 4 times sleeping, half the time eating. What time does he spend doing the different activities listed above?

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Q9. Lily has class at 8 a.m. She arrived at 8:42 this morning. She explained to her teacher that she left her home at 7:31 a.m. riding her motorcycle at 20km/h, and she was stuck in traffic for 20 minutes. How far does Lily live from the school?

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Q10. There are 80 questions in an exam. For the first 60 questions, Dara got 50% of right answers. What percentage of the right answers of the remaining questions does Dara need in order to get 10/20 of total score?

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Q11. If x is an odd integer and y is an even integer, y is not a factor of x. True or false?

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Q12. The price of wheat in January 2014 is $2/kg. In January 2015 it increases by 5%. In January 2016, it increases again by 10%. In January 2017 it decreases by 15%. What is the price of wheat in 2015, 2016 and 2017 (approximately)?

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Q13. There are 82 students in a class, 37 of them enroll in the English class, 31 of them enroll in the French class. We also know that among the students enrolled in English or French classes, 12 enrolled both in English and French. How many students did not enroll in any class?

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Q14. What is the sum of x, y and z?

$$2x + y - z = 10$$

$$x - 2y + 2z = 15$$

$$4x + y - 2z = 28$$

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Q15. A car consumes 12L of gasoline for 100km. The car departs at 13:15 p.m. with 22L of gasoline in her tank and she stops for refill at 14:55 p.m and there are 47L of gasoline in the tank after refill. The car drives at 90km/h. How many liter of gasoline were added to the car?

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Q16. In a class of 25 students, 3 students did not submit a book report for extra credit, 8 students each submitted one book report, 6 students each submitted 2 book reports, and the rest of the students each submitted at least 3 book reports. If the average number of book reports submitted was 2, what is the maximum number of book reports that any individual student could have submitted?

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Q17. At a business superstore, Step spends ⅓ of his money on software, 1/7 on accessories and 1/10.5 on paper products. If he spends the remaining $90 on gift cards, how much did Step spend at the business store?

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Q18. The function f(x) is equal to the square of a number lessened by 5. The function g(x) is equal to a number tripled. What is f(g(2))?

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Q19. Alia bought candy for everybody in the class. She has 90 candy. If she gives 1/10 to Tom, ⅕ to Clara and 7/30 to Beatrice, how many candies left will she have?

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Q20. 5 children's books have an average length of 18 pages and a median length of 17 pages. If three times the length of the shortest book is one page less than the longest book, what is the longest possible length, in pages, of the longest book?

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Part 2: General Knowledge of Economics and Management 10 points - Indicative time: 30 minutes

Circle the correct answer.

Q21. How do you calculate a trade balance?

    (a) Import - Export
    (b) Export - Import
    (c) Savings - Taxes
    (d) Supply - Demand

Q22. If the demand exceeds the supply:

    (a) prices will go up
    (b) prices will go down
    (c) it is a balanced situation
    (d) the government should intervene on the demand

Q23. On the milk market, supply is given by $Q = 40\ P$, demand is given by $Q = 30 - 20P$.

Q = quantity (in millions of liters) P = price. What is the balance situation on the market?

    (a) $Q = 20\ P = 2$
    (b) $P = 1\ Q = 40$
    (c) $P = 0,5\ Q = 20$
    (d) $Q = 10\ P = 1$

Q24. What is one of the results of an inflation?

    (a) prices go up
    (b) exports go down
    (c) demand goes up
    (d) the currency changes

Q25. What is the ASEAN?

(a) A peace treaty
(b) A free trade agreement in south-east Asia
(c) A political cooperation between Asia and the United States
(d) A river, on which the goods can be exchanged in Asia.

Q26. What is Japan's currency?

(a) Euro
(b) Dollar
(c) Riel
(d) Yen

Q27. What is Denmark's currency?

(a) Danish crown
(b) Euro
(c) Dollar
(d) Dinar

Q28. When one company takes over the market and leaves no space for competition, it is a situation of:

(a) monopole
(b) oligopole
(c) dictatorship
(d) technocracy

Q29. What is the IMF?

(a) A corporation
(b) A free trading agreement created after World War 2
(c) An international organization sustaining the world's economic stability
(d) A bank

Q30. Which of these correspond to economic production inputs?

(a) Labour, land, investment
(b) Capital, consumption, labour
(c) Labour, currency, investment
(d) Capital, land, labour

Q31. Microeconomics study:

  (a) the problems of decision making for an individual or a firm
  (b) the problems of decision making for a government
  (c) the problems of decision making in a game
  (d) the problems of accounting for the spendings and incomes of a firm

Q32. What does the elasticity measure?

  (a) a variation in production
  (b) the impact of a variation in price
  (c) the speed of a variation in investment
  (d) the consequences of a variation in wealth

Q34. Which countries DO NOT partake in the ASEAN?

  (a) Singapour
  (b) Brunei
  (c) Bali
  (d) Macao

Q35. When did Cambodia join the G20?

  (a) 2000
  (b) 2017
  (c) 1983
  (d) Cambodia is not a part of the G20

Q36. What was Cambodia's GDP per capita in 2015?

  (a) 1,158 USD
  (b) 558 USD
  (c) Less than 300 USD
  (d) 2000 USD

Q37. When was funded the ASEAN?

  (a) 1947
  (b) 1967
  (c) 1987

(d) 2007

Q38. What is the object of macroeconomics?

    (a) the study of investment
    (b) the study of behaviour and decision making in an economy as a whole.
    (c) the study of behaviour and decision making as an individual
    (d) the study of public spending

Q39. Who was John Maynard Keynes?

    (a) a banker
    (b) an stock broker
    (c) an economist
    (d) a politician

Q40. The 'invisible hand' partly legitimates?

    (a) communism
    (b) anarchy
    (c) free trade
    (d) none of the above

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Part 1: Writing Assessment. Indicative time: 45 min. - 40 points

Part 2: Structure and written expression 40 Questions- 40 Points. Indicative time: 35 min.

Part 3: Reading comprehension. 20 questions - 20 points. Indicative time: 40 min.

Part 1: Writing Assessment Duration: 45 min. - 40 points

2 pages maximum Please use the exam sheet to write your essay. (Do not forget to indicate your first and last name on the exam sheet!)

Directions: On your exam copy, write a clear logical and well organized response to the following question. Your response should be in the form of a short essay. Your answer should not exceed 2 pages. Write legibly. Essays that are illegible or are written on a topic other than the one outlined in the question will not be scored.

Tourism is the second source of income of Cambodia. Today it accounts for 17% of the Gross Domestic Product. Do you think tourism is a viable resource for Cambodia, economically and environmentally?

Part 2: Structure and written expression 40 Questions- 40 Points
Indicative time: 35 min.

Each of the following sentences contains one blank; each blank indicates that a word or set of words have been left out. Below the sentence are four words or phrases, marked (A), (B), (C), and (D). Select the word or set of words that best complete the sentence.

1. _____, Lydia wants to open a restaurant.
   a. When she grows up
   b. When she has grown up
   c. When she would grow up
   d. When she will grow up

2. In order to do that, _____ management skills at the university.
   a. she is actually learning
   b. she is currently learning
   c. she is truly learning
   d. she is nowly learning

3. _____ in her class.
   a. She is one of the goodest
   b. She is of the best students
   c. She is one of the best students
   d. She is one who is the best

4. If she succeeds in her exams, _____.
   a. she will accomplish her dream
   b. she accomplished her dream
   c. she used to accomplish her dream
   d. she has to accomplish her dream

5. Thomas is _____ a trip to Laos this summer.
   a. planning to taking
   b. planning on taking
   c. planned to take
   d. plan to taking

6. But _____ away from his family for the summer scares him.
    a. being
    b. to be
    c. he is
    d. he has been

7. Yesterday, _____ Marc.
    a. I see
    b. I have seen
    c. I saw
    d. I had seen

8. He told me _____ today for the movies.
    a. he had to join us
    b. he would join us
    c. he joined us
    d. he has joined us

9. The Internet is taking an increasing space in our daily lives _____.
    a. because we care about our families
    b. is pointing evidence that we cannot live without it
    c. and we should be careful about it
    d. because of our soaring use of new technologies

10. Peter thinks _____ in his school.
    a. he runs more fast than the other students
    b. he can run faster than any other student
    c. he is able to run more fast than the other students
    d. he can run faster than every other student

11. If we continue polluting our oceans, _____.
    a. much submarine life forms is disappeared
    b. some submarine life forms have soon disappeared
    c. any submarine life forms would disappear
    d. many submarine life forms will soon disappear

12. While traveling on a steep road, _____.
   a. the car of Luke has broken down
   b. it is the Luke's car that broke down
   c. Luke's car broke down
   d. the car of Luke's has broken down

13. _____, the tow truck arrived quickly.
   a. As he had subscribed to an insurance
   b. Since he subscribed to an insurance
   c. For he has subscribed to an insurance
   d. Because he would have subscribed to an insurance

14. Economists have realised that economic growth _____.
   a. is linked to also education
   b. has to doing with education
   c. is as well as education
   d. is also linked to education

15. International trade disputes _____.
   a. are arbitrated by a special commission in the International Trade Organization (ITO)
   b. is settled by the countries in themselves with ITO's help
   c. remain unsettled as the ITO cannot interfere with the countries' economic policies.
   d. can to be arbitrated by the ITO but not systematically.

Question 16-40, each sentence has four underlined words or phrases. The four underlined parts of the sentence are marked (A), (B), (C), and (D). Identify the one underlined word or phrase that must be changed in order for the sentence to be correct.

16. Even <u>if</u> Laura is used to <u>driving</u> alone, she enjoys the company of someone <u>at</u>

         A   B   C

   long <u>drives</u>.

        D

17. <u>To spend</u> time in the countryside is <u>soothing</u>, <u>both</u> for the body <u>and</u> the soul.

        A   B   C   D

18. Michael <u>stopped to play</u> piano when his <u>neighbour</u> came <u>to complain</u> about the

                A   B   C

<u>noise</u>.

D

19. You <u>should eat</u> more <u>slowly</u>, eating too fast <u>will giving</u> you stomach <u>ache</u>.

          A   B   C   D

20. One <u>to</u> the main <u>challenges</u> we are <u>facing</u> today, is global <u>warming</u>.

       A   B   C   D

21. I should <u>had</u> warned you <u>that</u> our manager has his <u>moods</u>, he can be very

          A   B   C

aggressive <u>sometimes</u>.

          D

22. Jim <u>called me</u> this morning, he <u>will not come</u> to class today <u>as</u> he <u>doesn't be</u> well.

        A   B   C   D

23. <u>No matter what</u> I say, <u>you</u> never <u>listens</u> <u>to</u> me.

        A   B   C D

24. <u>Over</u> the past few decades, people have <u>become</u> <u>more and more</u> dependent <u>in</u> their

  A   B   C   D

smartphones.

25. <u>There</u> you are ! James was looking <u>for</u> you, he wanted to <u>thank</u> you <u>hisself</u> for the

  A   B   C   D

present.

26. I <u>don't</u> like vanilla ice cream <u>as</u> much <u>than</u> I <u>like</u> chocolate ice cream.

    A   B   C   D

27. <u>A</u> thirty <u>minutes</u> break is <u>enough</u> to <u>regain</u> energy.

  A   B   C   D

28. There <u>is</u> too <u>many</u> information in this <u>newspaper</u>, I cannot <u>remember</u> everything.

        A   B   C   D

29. Ben told me <u>a</u> secret, he <u>made me</u> promise <u>don't</u> tell <u>anyone</u> else.

        A   B   C   D

30. Mona waited <u>too</u> long <u>to go</u> back home after the movies. <u>Now</u> it is dark and she
              A   B   C

cannot see <u>something</u>.
             D

31. <u>The Smiths</u> are very impatient <u>to</u> leave <u>town</u> for the summer, and <u>so do</u> we.
       A   B   C   D

32. He should <u>staying</u> with you <u>tonight</u>, he could <u>use</u> some <u>comfort</u>.
           A   B   C   D

34. <u>There</u> <u>are</u> many problematic aspects <u>to</u> this question, <u>doesn't it</u> ?
  A   B   C   D

35. <u>Yesterday</u>, he <u>run</u> 42 kilometers <u>at</u> the Paris <u>marathon</u>.
     A   B   C   D

35. <u>Smoke</u> is <u>prohibited</u> inside the <u>school walls</u>, please <u>behave</u> !
   A   B   C   D

36. I <u>gave</u> him an overcoat <u>for she</u> to wrap <u>around</u> her <u>shoulders</u>.
    A   B   C   D

37. If <u>I hadn't been</u> careful, I would <u>had</u> made <u>many</u> mistakes <u>in</u> my exam.
      A   B   C   D

38. <u>Which</u> department of the university <u>would</u> you <u>like</u> to enroll <u>to</u> ?
   A   B   C   D

39. Where <u>have</u> you been ? I have <u>been</u> <u>waited</u> for you <u>for</u> two hours !
     A   B C   D

40. Clara <u>has been</u> in Cambodia <u>during</u> five <u>years</u> <u>now</u>.
      A   B   C D

Part 3: Reading comprehension

20 questions - 20 points. Indicative time: 40 min.

You will read a number of passages. Each one is followed by approximately ten questions about it. Answer all of the questions following a passage on the basis of what is stated or implied in that passage. Choose the one best answer, (A), (B), (C), or (D), to each question.

Questions 41 through 45 are based on the following passage. The answers are in the text. Only one correct answer for each question.

William Shakespeare (26 April 1564 (baptised)—23 April 1616) was an English poet, playwright and actor, widely regarded both as the greatest writer in the English language, and the world's **pre-eminent** dramatist. He is often called England's national poet, and the "Bard of Avon". His extant works, including collaborations, consist of approximately 39 plays, 154 sonnets, two long narrative poems, and a few other verses, some of uncertain authorship. His plays have been translated into every major living language, and are performed more often than those of any other playwright.

Shakespeare was born and raised in Stratford-upon-Avon, Warwickshire. At the age of 18, he married Anne Hathaway, with whom he had three children: Susanna, and twins Hamnet and Judith.

Shakespeare produced most of his known works between 1589 and 1613. His early plays were primarily comedies and histories, and are regarded as some of the best work ever produced in these genres. Then, until about 1608, he wrote mainly tragedies, among them *Hamlet*, *Othello*, *King Lear*, and *Macbeth*, all considered to be among the finest works in the English language. In the last phase of his life, he wrote tragicomedies (also known as romances), and collaborated with other playwrights.

Throughout the 20th and 21st centuries, Shakespeare's works have been continually adapted and rediscovered by new movements in scholarship and performance. His plays remain highly popular and are constantly studied, performed, and reinterpreted in diverse cultural and political contexts the world over.

41. What was Shakespeare's nickname ?

(A) Warwickshire
(B) Hamlet
(C) The Bard of Avon
(D) He has no nickname

42. All statements below are true EXCEPT :

(A) William Shakespeare was born during the 16th century
(B) William Shakespeare only wrote tragedies.
(C) William Shakespeare married at an early age.
(D) People continue to read and study his work nowadays.

43. The word 'pre-eminent' (line 3) is closest in meaning to :

(A) Notable
(B) Intelligent
(C) Unknown
(D) Talented

44. Where is William Shakespeare from ?

(A) London
(B) Phnom Penh
(C) Stratford-upon-Avon
(D) Othello

45. Choose the best title for this excerpt :

(A) William Shakespeare's biography
(B) Romeo and Juliet
(C) The excerpt should not have a title
(D) William Shakespeare's most famous works

Questions 46 through 50 are based on the following passage. The answers are in the text. Only one correct answer for each question.

The Forbidden City is the largest palace complex on the planet. The large precinct of red walls and yellow glazed roof tiles is located in the heart of China's capital, Beijing. As its name suggests, the precinct is a micro-city in its own right. Measuring 961 meters in length and 753 meters in width, the Forbidden City is composed of more than 90 palace compounds including 98 buildings and surrounded by a moat as wide as 52 meters.

The Forbidden City was the political and ritual center of China for over 500 years. After its completion in 1420, the Forbidden City was home to 24 emperors, their families and servants during the Ming (1368–1644) and the Qing (1644–1911) dynasties. The last occupant (who was also the last emperor of imperial China), Puyi (1906–67), was expelled in 1925 when the precinct was transformed into the Palace Museum. Although it is no longer an imperial precinct, it remains one of the most important cultural heritage sites and the most visited museum in the People's Republic of China, with an average of eighty thousand visitors every day.

The construction of the Forbidden City was the result of a scandalous **coup d'état** plotted by Zhu Di, the fourth son of the Ming dynasty's founder Zhu Yuanzhang, that made him the

Chengzu emperor (his official title) in 1402. In order to solidify his power, the Chengzu emperor moved the capital, as well as his own army, from Nanjing in southeastern China to Beijing and began building a new heart of the empire, the Forbidden City.

46. What is a coup d'état ?

(A) A political overturn led by armed militias.
(B) A marriage between dignitaries from two different tribes.
(C) A peace treaty.
(D) The funeral of the emperor.

47. To what purpose was the Forbidden City <u>originally</u> built ?

(A) It was a temple
(B) It was used both as a ritual place and the main residence of the emperor.
(C) It was a museum.
(D) It served no particular purpose.

48. What is the word 'precinct' closest in meaning to :

(A) Bedroom
(B) Bathroom
(C) Building
(D) Garden

49. <u>Before</u> the construction of the Forbidden City, what was China's capital city ?

(A) Beijing
(B) X'ian
(C) Nanjing
(D) Ming

50. When did the Forbidden City become a museum ?

(A) 1911
(B) 1402
(C) 1925
(D) 961

Questions 51 through 52 are based on the following passage. The answers are in the text. Only one correct answer for each question.

Letter of Ordering Goods Sample

Turner Lampshades

1685 Riverside Drive
Blairsville, GA 30512

Dear Turner Lampshades,

My name is Barbara. I would like to order 13 oriental lampshades from your catalogue. Their item number is #4564323534. They are listed at $10 each.

I have included a certified check for $130. That should cover the cost of the lampshades.

The address I would like these lampshades shipped to is:

Barbara D. Martin

3940 Lucky Duck Drive
Monroeville, PA 15146

Please use FedEx Express as your shipping method. They seem to be the most reliable delivery courier for my area.

If you have any questions or if any issues arise with my order, please do not hesitate to contact me at 345-453-5322.

Thank You,

Barbara

51. How much does a lampshade costs ?

(A) $130
(B) $10
(C) $13
(D) The price is not mentioned

52. Who is placing the order ?

(A) Barbara
(B) Turner Lampshades
(C) Lucky Duck Drive
(D) FedEx

Questions 53 through 57 are based on the following passage. The answers are in the text. Only one correct answer for each question.

The New Zealand government is facing a wave of strike action, as thousands of nurses, teachers, and government staffers prepare to walk off the job.

On Monday 4,000 employees stopped work for two hours, demanding better pay. After months of negotiations, the government's latest pay offer to nurses was rejected in June, and a nationwide, 24-hour strike is planned for Thursday. Nurses say they are overworked and underpaid, and hospitals are chronically understaffed. Minister for health David Clark said the nurses' discontent had been brewing after nine years of neglect under the previous, National government. "Their frustration is understandable ... I think everyone agrees nurses should be paid more than they are now, but it takes more than one pay round to address nine years of neglect.

53. What is a 'strike'?

   (A) It is a work negociation
   (B) A pay raise
   (C) The fact that people stop working to protest
   (D) It is a celebration

54. What are the nurses demands ?

   (A) More work
   (B) Less staff
   (C) More communication
   (D) More money

55. How long have the nurses been angry ?

   (A) Two hours
   (B) Twenty-four hours
   (C) They are not angry
   (D) 9 years

56. What is the Minister of Health's reaction ?

   (A) He understands the nurses' discontent.
   (B) He wants to repress the nurses' discontent.
   (C) He does not care about it.
   (D) He is also a protester.

57. How long did the strike last ?

   (A) 9 years
   (B) 24 hours
   (C) 2 hours
   (D) 1 hour

Questions 58 through 60 are based on the following passage. The answers are in the text. Only one correct answer for each question.

In Moradabad, India, whole communities subsist by processing waste created by the world's love affair with electronic goods. Locals in Moradabad in western Uttar Pradesh described [to us] the process of recycling this hazardous material. Once the basic dismantling and separation were achieved, different methods of extraction followed: typically burning, grinding, washing and bathing in acid. This e-waste economy is thriving as the **hazardous** material, exported from the affluent developed world, continues to plague cities in developing countries. Can anything be done to stem the flow?

58. What is the word 'hazardous' closest in meaning to :

   (A) Useful
   (B) Dangerous
   (C) Dirty
   (D) Inflammable

59. What is the consequence of the world's overuse of electronic goods ?

   (A) The e-waste is being recycled by very poor communities
   (B) They are useful to everybody
   (C) There is no consequence
   (D) They are not thrown away in the dustbin

60. Why is it dangerous for the communities to manipulate e-waste ?

   (A) It is not dangerous
   (B) The process involves acid baths
   (C) It can give people the plague
   (D) People can cut themselves with the waste.