|  |  |  |
| --- | --- | --- |
| |  | | --- | | **ĐỀ CHÍNH THỨC**  *(Đề thi có 02 trang)* |   **TRƯỜNG THCS MỸ HÓA** | **KIỂM TRA HỌC KỲ I - LỚP 9**  **NĂM HỌC 2020 - 2021**  **Môn: Tiếng Anh**  **Ngày thi:** …../12/2020  **Thời gian:** 60phút*(Không kể thời gian giao đề)* |

Full name: ………………………………. Class: ……………

***(Thí sinh làm bài trực tiếp trên đề kiểm tra)***

**Question I. Choose the word which has underlined part is pronounced differently from the others by circling A, B, C or D. (0.5 point)** (*Chọn từ có phần gạch chân được phát âm khác so với các từ còn lại trong các câu sau bằng cách khoanh tròn đáp án A, B, C hoặc D)*

1. A. visit***ed***  B. look***ed*** C. stopp***ed*** D. miss***ed***

2. A.***h***ave B.***h***our C. ***h***ate D.***h***igh

**Question II. Circle the best option A, B, C or D to complete each of the following sentences. (1.5 points)***(Khoanh tròn vào chữ cái A, B, C hoặc D để hoàn thành các câu sau đây)*

1. The trip to Lai Chau City was an…………….day.

A. enjoyable B. enjoyably C. enjoyment D. enjoy

2. Many tourists are impressed …………. the friendliness of Vietnamese people.

A. to B. on C. by D. at

3. She will meet you.................9.30 to 10.30in the morning.

A. on B. from C. at D. between

4. They have lived in Phong Tho town …………. 2015.

A. since B. at C. for D. in

5. Lan did not learn hard, ................... she failed her exam.

A. but B. so C. and D. because

6. We can enjoy a lot of ……………..programs on TV today.

A. interested B. interestingly C. interest D. interesting

**Question III. Each sentence has one mistake. Find and correct it. (1.0 point)**

*(Mỗi câu sau có một lỗi sai. Tìm lỗi sai đó và sửa lại cho đúng).*

|  |  |
| --- | --- |
| 0. I are going to be home late tonight. | are -> am |
| 1. I wish I can visit your village some day. |  |
| 2. She has lived and worked here since 5 years. |  |
| 3. ***Ao dai*** have become traditional dress of Vietnamese women. |  |
| 4.*T-shirt* is not only convenient but also fashion. |  |

**Question IV. Give the correct tense or form of the verb in brackets to complete the sentences below.(2.0 points)***(Cho dạng đúng của động từ trong ngoặc để hoàn thành các câu sau).*

1. She (**visit**) ......................................... her hometown last week.

2. I wish I (**have**)............................................ a smart phone.

3. He wanted (**buy**) ......................................... some souvenirs for his friends.

4. Would you like (**drink**)…….………….. coffee with me, Ba?

5. Students love (**read**)..................................books in their freetime.

6. He wishes he could (**finish**) ................................... his homework.

7. Bao (**be**) .................................my pen pal for four years.

8. Hoa often (**go**) ................................... to the school by bike.

**Question V. Choose the best option (A, B, C or D) to complete the following passage. (1 point)** (*Chọn đáp án thich hợp nhất (A, B, C hoặc D) để hoàn thành đoạn văn sau).*

Viet Nam lies in Southeast Asia. It is divided………(1) …….. three regions: Northern Viet Nam, Central Viet Nam and Southern Viet Nam. Viet Nam has a lot of ……..(2)……… places which attract tourists from everywhere. Ha Noi is the capital and Ho Chi Minh City is ……..(3) ……. biggest city in the country. The population is about 90 million. Viet Nam ……(4)…….. full member of ASEAN on 28 July 1995.

1. A. for B. in C. into D. to

2. A. beauty B. beautiful C. beautifully D. beautify

3. A. an B. θ C.  the D.  a

4. A. become B. becoming C. becomes D. became

**Question VI. Read the passage and answer the questions below. (2 points)**

*(Đọc đoạn văn và trả lời các câu hỏi bên dưới).*

Peter had a letter from his friend yesterday. She lives in Nigeria. In her letter, she said that she was coming to England the following month. If she comes, she will get a surprise. Peter is now living in a beautiful new house in the country.

The house was completed five months ago. The house has many large rooms and there is a lovely garden. It is a modern house, so it looks strange to some people. It must be the only modern house in the district. Peter said that he wanted her to stay with his family.

**\* Questions:**

1. Where does Peter’s friend live?

🡪............................................................................................................................................

2. Where is Peter living now?

🡪............................................................................................................................................

3. When was the house completed?

🡪............................................................................................................................................

4. Did he want her to stay with his family?

🡪............................................................................................................................................

**Question VII. Use the cues given to rewrite the sentenceso that it has the same meaning as the first. (2 points)**

*(Viết lại các câu sau bắt đầu bằng từ gợi ý sao cho nghĩa của câu không đổi).*

1. Let’s go to the movies this evening.

🡪Why don’t we ……………………………………………………..?

2. Nam doesn’t have a new bike

🡪Nam wishes he……………………………………………………

3. We should grow trees along the street.

🡪Trees ……………………………………………………………..

4. “Do you live in a house?”

🡪He asked me ………………………………………………………..

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hết\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Thí sinh không được sử dụng tài liệu. Cán bộ coi thi không giải thích gì thêm.*

|  |  |  |
| --- | --- | --- |
| |  | | --- | | **ĐỀ CHÍNH THỨC**  *(Đề thi có 02 trang)* |   **TRƯỜNG THCS MỸ HÓA** | **KIỂM TRA HỌC KỲ I - LỚP 9**  **NĂM HỌC 2020 - 2021**  **Môn: Tiếng Anh**  **Ngày thi:** …../12/2020  **Thời gian:** 60phút*(Không kể thời gian giao đề)* |

1. **Find the word which has a different sound in the underlined part.**
   1. A. stage B. package C. village D. manage
   2. A. seaside B. license C. combine D. police
   3. A. agreed B. liked C. missed D. watched

# Choose the word which is stressed differently from the rest

* 1. A. businessB. origin C. apartment D. visitor
  2. A. liberty B. national C. convenient D.holiday

# Choose the best answer

1. They living on farms and working on fields.
   1. are used to B. are used for C. used to D. did not use to
2. She said she to me, but she didn’t.
   1. would have written B. will have written

C. would write D. will write

1. He was very hard for most of his life after being injured on his head.
   1. to hear B. hearing C. for hearing D. ofhearing
2. She is wearing a dress mine.
   1. as B. alike C. likely D. like
3. AfterashorttimelivinginLondon,Paularegraduallyusedto his car driving on the left side of the street.

A. keep B. keeping C. kept D. be kept

1. He our company 2 years ago. He still for us.
   1. joins/ worked B. joined/ works

C. had joined/ is working D. was joining/ will work

1. He on the bank fishing when he a man’s hat floating down the river.
   1. had sat/ had seen B. was sitting/ saw

C. sat/ was seeing D. was sitting/ has seen

1. , that poor old man had to spend more than five years in hospital.
   1. As his mental illness B. Although he is mental illness

C. Because of his mental illness D. In spite of he is mentally ill

1. He did not get on well with his workmates. That’s the reason .
   1. why he gave up his work B. he gave up his work why

C. for why he had given up his work D. why did he give up his work

1. I admire his courage, I think he should change his mind.
   1. As though B. Even though C. As soon as D. Due to
2. a hotel, we looked for somewhere to have dinner.
   1. Finding B. After finding C. Found D. We found
3. I English for 4 years now.
   1. have learned B. am learning

C. learned D. have been learning

1. I remember Bolivia for the first time. It’s a beautiful country.
   1. visit B. to visit C. visiting D. be visited
2. Just keep on what you like.
   1. do B. did C. doing D. done
3. The guide encouraged the tourists the Prado Museum in Madrid.
   1. visit B. to visit C. visiting D. visited

# Find a mistake in the four underlined parts of each sentence and correct it.

1. It is saving that the Temple of Literature was built in the 11thcentury. A B C D
2. They suggest that we must book a hotel by the Perfume River. A B C D
3. Many people have been claimed that the show tickets are too expensive. A B C D
4. She wanted to know if I saw Paul recently. A B C D
5. Have the play already started when you got to the theater? A B C D

# Choose the correct sentence A, B, C or D which has the same meaning to given one.

* 1. We haven’t been to the concert for two years.
     1. The last time we went to the concert was two years ago.
     2. It’s two years since we went to the concert.
     3. We didn’t go to the concert two years ago.
     4. Both A and B are correct.
  2. Although they were very poor, the children seemed happy.
     1. The children seemed unhappy because they were very poor.
     2. The children were very poor, so they seemed happy.
     3. Despite their poverty, the children seemed happy.
     4. The children seemed happy whether they seemed happy.
  3. He used to travel around the country doing gigs.
     1. He liked travelling around the country to do gigs.
     2. He no longer travels around the country doing gigs.
     3. He was accustomed to travelling around the country doing gigs.
     4. He never travels around the country doing gigs.
  4. Don’t forget to go to the supermarket after work.
     1. He requested me not forget to go to the supermarket after work.
     2. He asked me not to forget to go to the supermarket after work.
     3. He told me that I shouldn’t forget to go to the supermarket after work.
     4. He reminded me to go to the supermarket after work.

# Read the passage and choose the best option for each blank to complete the passage

Over the last century, there have been many significant changes in the way we live.

Obviously, it is difficultto(1) the life of ancient people and the life of the people living in the 21st century because so many changes have occurred. Even the changes that have(2)

over the last ten years are amazing.

Peopleinthepastwerenot(3) to travel such long distances within such a short period of time. Nowadays, we have become very mobile. We have fastand(4) cars. In addition, more and more people travel by plane.

Moreover,inthepastpeoplehadtoworkharderastheydidnothave(5) and machines to make their work easier. Today, most of the difficult and dangerous work is (6) by computers and other powerful machines. In the past (7) of living were not as comfortable as they are now. Besides many people could not afford (8) appliances like a fridge or a vacuum cleaner because those used to be luxurious goods.Another difference(9) living now andinthe past is the fact that nowadays education is accessible to everyone. In the past, men were mainly the only ones educated and women were not (10) into public or private schools.

1. A. predict B. discuss C. compare D. suppose
2. A. occurred B. considered C. expressed D. arranged
3. A. used B. able C. might D. capable
4. A. skillful B. difficult C. historical D. comfortable
5. A. rules B. tools C. teams D. ideas
6. A. thought B. played C. done D. seen
7. A. conditions B. performances C. stories D. conflicts
8. A. mobile B. physical C. bare - footed D. household
9. A. within B. among C. between D. behind
10. A. allowed B. attended C. agreed D. appeared

# Complete the second sentence so that it has a similar meaning to the first one.

1. He used to depend on his parents for money.

No longer

1. It is the most interesting novel I’ve ever read.

I have

1. Although she lived in difficult conditions, she worked very hard. In spite of
2. The flight to London lasted more than three hours. It
3. The weather was so bad that we couldn’t go sailing

The weather was not

|  |  |  |
| --- | --- | --- |
| |  | | --- | | **ĐỀ CHÍNH THỨC**  *(Đề thi có 02 trang)* |   **TRƯỜNG THCS MỸ HÓA** | **KIỂM TRA HỌC KỲ I - LỚP 9**  **NĂM HỌC 2020 - 2021**  **Môn: Tiếng Anh**  **Ngày thi:** …../12/2020  **Thời gian:** 60phút*(Không kể thời gian giao đề)* |

I. Choose the best answer to complete the sentences

1. She wishes that she ........... a good student

A. be B. were C. is D. are

2. How long ........... you studied English?

A. has B. have C. do D. did

3. My dad ........... worked for this company ........... 20 years

A. has/since B. has/for C. hasn’t/since D. have/for

4. You had to ........... home to help my mom yesterday

A. stayed B. staying C. stays D. stay

5. We have a meeting ........... 7.30 a.m and 11 a.m

A. at B. from C. between D. to

6. How did she ........... go to school last year?

A. used to B. use to C. had to D. is used to

7. This house ........... last year

A. is built B. was build C. was built D. were built

8. I will go to Nha Trang ........... Thursday

A. in B. on C. at D. for

9. She is a strict ........... .

A. examiner B. examine C. exam D. examination

10. If you want to ........... your English , we can help you .

A. take B. attend C. improve D. give

11. This school has an excellent ........... .

A. repute B. reputation C. reputed D. reputable

12. They haven’t kept in touch with each other ........... .

A. 2 years ago B. since 2 years C. over 2 years D. for 2 years

II. Complete the sentences with tag-questions

13. He is a student,…………………?

14. You work in a company,……………………?

15. We don’t like bananas,………………………………?

16. Lan studied in a secondary school,……………………………?

III. Put the verbs in parentheses in correct form.

17. The examiner asked me if I ……………..( speak) any foreign languages.

18. If we go on littering, the environment ………(become) seriously polluted.

19. If the rice paddies ……………(pollute), rice plants will die.

20. She usually (walk) ………………… to school

IV. Read the passage . Then decide True (T) or False (F) .

Clothes can tell a lot about a person . Some people like very colorful clothes because they want everyone to look at at them and they want to be the center of things. Other people like to wear nice clothes, but their clothes are not colorful or fancy. They do not like people to look at them.

Clothes today are very different from the clothes of the 1800s. For example, in the 1800s all women wore dresses. The dresses all had long skirts. But today women do not always wear dresses with long skirts. Sometimes they wear pants. Clothes were made from cotton, wool, silk or linen. But today, there are many kinds of man made cloth .

\* True (T) or False (F).

….. 21. Clothes can’t tell anything about a person .

….. 22. Clothes today are very different from the clothes of the 1800s .

….. 23. Clothes aren’t made from cotton , wool , silk , linen or man made .

….. 24. Today all women always wear dresses with long skirts.

V. Fill in the blank with the appropriate word

25. They were reunited after a ………… …………… of more than 20 years. (SEPARATE)

26. Everyone was very …………… ………… to me. (FRIEND)

27. He has been the BBC’s political …………… ………… for many years. (CORRESPOND)

28. Most ………… …………… are written in English. (INSTRUCT)

29. There are two ………… …………… one at the front and one round the back (ENTER).

30. Thank you for a very ……… ……………… evening at your house ( ENJOY).

VI. Rewrite the sentence with the same meaning.

31. He is sorry for being late.

\_ He wishes ……………………………………..

32. I don’t have a lot of money.

\_ I wish ………………………………………….

33. Ian wants to be rich.

\_ Ian wishes ……………………………………..

34. Nam usually played soccer when he was a child.

\_ Nam used to ……………………………………

35. I last saw her 2 years ago.

\_ I haven’t ………………………………………..

36. He painted this picture 2 days ago.

\_ This picture …………………………………….

VII. Each of the following sentences has one mistake. Identify the mistake by choose A, B, C or D:

37. Tom uses to wear glasses, but he does not now.

A B C D

38. She wishes she can speak English as fluently as her brother.

A B C D

39. Bill and me are in the same class, we are in class 9A.

A B C D

40. Malaysia is divided in three regions.

A B C D

VIII. Choose one word whose underlined part is pronounced differently from that of the others.

41. A. school B. food C. tooth D. flood

42. A. go B. got C. note D. so

43. A. life B. wife C. dinner D. mine

44. A. think B. there C. this D. though

45. A. stayed B. visited C. lived D. killed

IX. Fill in the blanks with proper words:

courses, around, cormmunication, much, improve, stay, adults, especially

Millions of people (1) ................................... the world want to learn English .Many of them go to the US and other English speaking countries to study at language schools , especially in the Summer. There are thousands of schools. They offer courses for children, teenagers and (2) ................................... .

If you go to a language school, you should try speak English as much as possible. Students can (3) ................................... with a local family. This is a good opportunity to (4 ) ................................... your English and to learn a lot about everyday life .You should try to talk to students from other countries. This will help you with your English and will also show how important English is for international (5) ................................... .

***---END---***

|  |  |
| --- | --- |
|  | **KỲ KIỂM TRA HỌC KÌ I LỚP 9**  **NĂM HỌC 2020-2021**  **HƯỚNG DẪN CHẤM**  **Môn thi: Tiếng Anh** |

**A. Hướng dẫn chung**

**1.** Cán bộ chấm thi chấm đúng như đáp án – thang điểm

**2.** Bài thi được chấm theo thang điểm 10, lấy đến 0,25 và được làm tròn theo nguyên tắc:

+ Nếu <0,25 làm tròn thành 0,0;

+ Nếu 0,25  , <0,75 làm tròn thành 0,5;

+ Nếu ****0,75 làm tròn thành 1.

**3.** Nếu có ý hoặc câu nào thí sinh có cách trả lời khác so với đáp án mà vẫn đúng, đảm bảo tính logic thì vẫn cho điểm tối đa ý, câu đó theo thang điểm. (Bài làm đúng đến bước nào chấm đến bước đó).

**B. Hướng dẫn chấm cụ thể:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Câu** | | **Ý** | **Đáp án** | | **Thang điểm** |
| Question I  (0.5 điểm) | | 1 | A. visit**ed** | | 0.25 |
| 2 | B. **h**our | | 0.25 |
| Question II  (1.5 điểm) | | 1 | A. enjoyable | | 0.25 |
| 2 | C. by | | 0.25 |
| 3 | B. from | | 0.25 |
| 4 | A. since | | 0.25 |
| 5 | B. so | | 0.25 |
| 6 | D. interesting | | 0.25 |
| Question III  (1 điểm) | | 1 | can – > could | | 0.25 |
| 2 | since – > for | | 0.25 |
| 3 | have – > has | | 0.25 |
| 4 | fashion -> fashionable | | 0.25 |
| Question IV  (2 điểm) | | 1 | visited | | 0.25 |
| 2 | had | | 0.25 |
| 3 | to buy | | 0.25 |
| 4 | to drink | | 0.25 |
| 5 | reading | | 0.25 |
| 6 | finish | | 0.25 |
| 7 | has been | | 0.25 |
| 8 | goes | | 0.25 |
| Question V  (1điểm) | | 1 | C. into | | 0.25 |
| 2 | B. beautiful | | 0.25 |
| 3 | C. the | | 0.25 |
| 4 | D. became | | 0.25 |
| Question VI  (2 điểm) | | 1 | She lives in Nigeria | | 0.5 |
| 2 | He/Peter is now living in a beautiful new house in the country | | 0.5 |
| 3 | It/ The house was completed five months ago | | 0.5 |
| 4 | Yes, he did/ Yes, he wanted her to stay with his familly | | 0.5 |
| Question VII  (2 điểm) | | 1 | Why don’t we go to the movies this evening? | | 0.5 |
| 2 | Nam wishes he had a new bike. | | 0.5 |
| 3 | Trees should be grown along the street (by us). | | 0.5 |
| 4 | He asked me if I lived in a house.  He asked me whether I lived in a house. | | 0.5 |
|  | |  | **Tổng điểm bài kiểm tra** | | **10** |
|  | | |
|  | | |

………………………………………Hết……………………………………….

Đề 2

# ANSWERS KEY

# I.

l. A 2. D 3.A

# II.

l.C 2. C

# III.

l. A 2. C 3. D 4. D 5. B

6. B 7. B 8. C 9. A 10. B

11.B 12. D 13. C 14. C 15. B

# IV.

1. A → said 2. B → should

3. B → claimed 4. D → had seen 5. A → Had

# V.

l. D 2. C 3. B 4. D

# VI.

l. C 2. A 3. B 4. D 5. B

6.C 7. A 8. D 9. C 10. A VII.

1. No longer does he depend on his parents for money.
2. I have never read such an interesting novel before.
3. In spite of her difficult living conditions, she worked very hard.
4. It took more than three hours to fly to London.
5. The weather was not fine enough for US to go sailing.

**ĐỀ 3**

I. Choose the best answer to complete the sentences

1. She wishes that she ........... a good student

A. be B. were C. is D. are

2. How long ........... you studied English?

A. has B. have C. do D. did

3. My dad ........... worked for this company ........... 20 years

A. has/for B. has/ since C. hasn’t/since D. have/for

4. You had to ........... home to help my mom yesterday

A. stayed B. staying C. stays D. stay

5. We have a meeting ........... 7.30 a.m and 11 a.m

A. at B. from C. between D. to

6. How did she ........... go to school last year?

A. used to B. use to C. had to D. is used to

7. This house ........... last year

A. is built B. was build C. was built D. were built

8. I will go to Nha Trang ........... Thursday

A. in B. on C. at D. for

9. She is a strict ........... .

A. examiner B. examine C. exam D. examination

10. If you want to ........... your English , we can help you .

A. take B. attend C. improve D. give

11. This school has an excellent ........... .

A. repute B. reputation C. reputed D. reputable

12. They haven’t kept in touch with each other ........... .

A. 2 years ago B. since 2 years C. over 2 years D. for 2 years

II. Complete the sentences with tag-questions

13. He is a student,……………………?isn’t he

14. You work in a company,………………………..?don’t you

15. We don’t like bananas,…………………………………..?do we

16. Lan studied in a secondary school,…………………………………? didn’t she

III. Put the verbs in parentheses in correct form.

17. The examiner asked me if I ……………..( speak) any foreign languages. spoke

18. If we go on littering, the environment ………(become) seriously polluted. will become

19. If the rice paddies ……………(pollute), rice plants will die. pollutes

20. She usually (walk) ………………… to school. walks

IV. Read the passage . Then decide True (T) or False (F) .

Clothes can tell a lot about a person . Some people like very colorful clothes because they want everyone to look at at them and they want to be the center of things. Other people like to wear nice clothes, but their clothes are not colorful or fancy. They do not like people to look at them .

Clothes today are very different from the clothes of the 1800s. For example, in the 1800s all women wore dresses. The dresses all had long skirts . But today women do not always wear dresses with long skirts. Sometimes they wear pants. Clothes were made from cotton , wool , silk or linen . But today, there are many kinds of man made cloth .

\* True (T) or False (F).

…F.. 21. Clothes can’t tell anything about a person .

…T.. 22. Clothes today are very different from the clothes of the 1800s .

…F.. 23. Clothes aren’t made from cotton , wool , silk , linen or man made .

…F.. 24. Today all women always wear dresses with long skirts.

V. Fill in the blank with the appropriate word

25. They were reunited after a …………SEPARATION…………… of more than 20 years. (SEPARATE)

26. Everyone was very ……………FRIENDLY………… to me. (FRIEND)

27. He has been the BBC’s political ……………CORRESPONDENT………… for many years. (CORRESPOND)

28. Most …………INSTRUCTIONS…………… are written in English. (INSTRUCT)

29. There are two …………ENTRANCES…………… one at the front and one round the back (ENTER).

30. Thank you for a very ………ENJOYABLE……………… evening at your house ( ENJOY).

VI. Rewrite the sentence with the same meaning.

31. He is sorry for being late.

\_ He wishes …………………………………….. he weren’t late

32. I don’t have a lot of money.

\_ I wish …………………………………………. I had a lot of money

33. Ian has done his homework for two hours.

\_ Ian started ……………………………………... doing his homework two hours ago

34. Nam usually played soccer when he was a child.

\_ Nam used to …………………………………… play soccer when he was a child

35. I saw her in the library.

\_ She ……………………………………………. was seen in the library

36. Helen has painted this picture.

\_ This picture …………………………………….has been painted by Helen

VII. Each of the following sentences has one mistake. Identify the mistake by choose A, B, C or D:

37. Tom uses to wear glasses, but he does not now. used

A B C D

38. She wishes she can speak English as fluently as her brother. could

A B C D

39. Bill and me are in the same class, we are in class 9A. I

A B C D

40. Malaysia is divided in three regions. into

A B C D

VIII. Choose one word whose underlined part is pronounced differently from that of the others.

41. A. school B. food C. tooth D. flood

42. A. go B. got C. note D. so

43. A. life B. wife C. dinner D. mine

44. A. think B. there C. this D. though

45. A. stayed B. visited C. lived D. killed

IX. Fill in the blanks with proper words:

courses, around, cormmunication, much, improve, stay, adults, especially

Millions of people (46) ................................... the world want to learn English. Many of them go to the US and other English speaking countries to study at language schools, especially in the Summer. There are thousands of schools. They offer courses for children, teenagers and (47) ................................... .

If you go to a language school, you should try speak English as much as possible. Students can (48) ................................... with a local family. This is a good opportunity to (49 ) ................................... your English and to learn a lot about everyday life .You should try to talk to students from other countries. This will help you with your English and will also show how important English is for international (50) ................................... .

46. around 47. Adults 48. Stay 49. Improve 50. communication