

LUCRARE SCRISĂ LA LIMBA STRĂINĂ – ENGLEZĂ  
VARIANTA I

**A. Partea I: CITIT**  
(Citirea cu atenție)

**Choose the correct answer a, b, c or d.**

Armed forces enlisted personnel have saluted officers with a hand salute for hundreds of years. Many people believe that soldiers began saluting in Europe. These soldiers used to wear suits made of heavy metal to cover their bodies. Metal also covered their heads and faces. When two soldiers met, they would raise their hands to lift the cover from their faces. They would always do this with their right hand because the left hand was holding the horse.

The salute was an important sign because it showed that a soldier was a friend and wouldn't hurt another soldier. It showed the person's face and most importantly, the salute removed the soldier's right hand from his weapon.

After many years, soldiers stopped wearing metal to cover their faces and bodies, but the military salute remained. Military uniforms and weapons are different today, but the military salute is still an important part of the armed forces.

1. The text informs us that...

a	the salute by the right hand was used only by soldiers who did not carry weapons.
b	the hand salute dates back in history, when soldiers used to wear heavy body armor.
c	the hand salute was used only by soldiers who could raise their hands.
d	the salute by the left hand was used by soldiers who did not ride horses.

2. We further learn from this passage that...

a	after many years, the salute by the hand determined the change of weapons and uniforms.
b	after many years, the hand salute determined the armed forces to stop wearing their armors.
c	although body armors have disappeared, the tradition of saluting is still practiced.
d	although traditions changed, the hand salute is still used by part of the armed forces.

This spring's incident at the Globus Circus in Bucharest, when 11 animals died in a fire, generated a debate regarding a possible ban on the use of wild animals in circus shows. Some people argue in favor of interdicting shows where animals are used for entertainment, claiming that such shows are detrimental to animal dignity and welfare, and that animals belong in the wild. Other people, however, say the shows have an educational component, and banning them will seriously affect the circus industry.

Animal rights organizations, in particular, have organized marches against animals' abuse, asking Romanians to join other civilized nations that for years now have stopped using wild animals in circus performances. According to Magor Csibi of World Wild Fund Romania, animals bred in captivity are sentenced to a life of suffering, due to being forced to live in small spaces and ill-treated while being tamed.

3. The text informs us that...

a	the use of wild animals in circus shows may soon come to an end.
b	the Globus Circus treated their wild animals with dignity.
c	wild animals used for entertainment may finally die in a fire.
d	wild animals belonging to the Globus Circus will ban the circus industry.

4. According to those who favor the keeping of wild animals in circuses...

a	the shows affect the dignity of people working in the circus industry.
b	the circus shows should not have any educational components.
c	the circus shows are detrimental to the circus industry.
d	the shows are meant not only for fun, but also for education purposes.

5. Based on this text, we learn that...

a	Romania should adopt the same interdictions like other civilized countries.
b	only civilized countries continue to use wild animals in circus shows.
c	Romanian should use only animals that were not bred in captivity.
d	only animals that were sentenced to life should be used in circuses.

(Citirea selectivă)

Residents of a small Welsh-speaking community have got together to buy the post office and shop, ten years after buying the pub. The people of Llithfaen were determined to prevent their village losing its focal point. Ten years ago they paid £40,000 for the pub, called *Victoria*, and now they have helped to keep the shop open. Most of the cost, £19,500, was met by the local council and a European Union grant, but the villagers needed to raise a further £6,000 to buy the shop from the owner who is retiring.

John Jones, chairman of the community committee, said: "We went around every house and came back with £500 more than we needed. No one else was going to help us so we decided to buy them ourselves." Llithfaen had a population of 600 but that halved when nearby granite mines were closed. The primary school was shut because of the population decline but the locals turned it into a leisure centre and youth club.

6. Based on the text, the cost of the local restaurant was...

a	£19,500
b	£500
c	£6,000
d	£40,000

7. The passage also informs us that the locals paid the money for the shop to ...

a	John Jones.
b	the retiring owner.
c	the European Union.
d	a local centre.

8. According to the text, the former primary school is now...

a	a post-office.
b	a pub.
c	an entertainment centre.
d	a local council.

The oldest military college in the United States is often called West Point. It is 50 miles north of New York City. During the Revolutionary War (1775-1783), West Point was an important fort in different battles. In 1802, it became a military college. Many important military leaders have studied at West Point. In the Civil War (1861-1865), West Point graduate Ulysses Grant led an army against another graduate, Robert E. Lee. Generals Dwight Eisenhower, Douglas MacArthur, and George Patton were important graduates who led soldiers in the Second World War. Today, West Point still prepares young men and women to be officers in the US Army. The Academy accepts students from all 50 states and also some foreign students. When students graduate from the Academy, they receive a bachelor's degree and become second lieutenants in the US Army.

9. Based on the text, we are told that West Point used to be a ...

a	fortress.
b	graduate.
c	battle.
d	city.

10. According to the text, West Point became what it is now ...

a	during the Revolutionary War.
b	during the Civil War.
c	in 1802.
d	in the '50s.

11. We are informed that three famous graduates were military leaders ...

a	of all fifty states.
b	in the Civil War.
c	of New York City.
d	in the Second World War.

12. The text informs us that the US candidates to West Point are from...

a	fifty foreign countries.
b	all fifty states.
c	the Academy.
d	New York City.

The foundation stone of the Mărăști Mausoleum was laid in order to honor the memory of the heroes of Mărăști. The mausoleum was built at an altitude of 536 m (where some of the heaviest fighting took place) at the initiative of a group of officers and generals who were part of the Mărăști Society in the village of Mărăști. Above the entrance gate to the mausoleum grounds there is a sign that reads, "The historic battlefield of Mărăști". Spread out over 1000 square meters, the mausoleum is held up by two large rectangular concrete pillars decorated with bronze bas-reliefs depicting a Romanian peasant crossing the front with information about the enemy, and the reception given to a Romanian general by the inhabitants of Mărăști. Between the two pillars, on a concrete wall, there are thirteen white marble plates inscribed with the names of over 900 Romanian troops who fell in battle. In the basement there are soldiers' ossuaries as well as crypts for the officers who fell in battle.

13. Based on the text, a reminder of the fights of Mărăști is placed...

a	in the basement.
b	on the concrete pillars.
c	above the entrance.
d	on one of the bas-reliefs.

14. The text informs us that the surface of the mausoleum is...

a	made of marble.
b	made of bronze.
c	536 m high.
d	1000 m <sup>2</sup> .

15. We are informed by the text that some ... are carved in marble.

a	pillars.
b	names.
c	crypts.
d	bas-reliefs.

**B. Partea a II – a: ELEMENTE DE GRAMATICĂ ȘI VOCABULAR**  
(Gramatică)

Choose one correct answer a, b, c or d:

16. Before these children came to town, they ... ice cream!

a	had never eaten
b	have never been eating
c	have never eaten
d	had never eating

17. What is that horrible noise?

a	My uncle used to sing in the bathroom.
b	My uncle sang in the bathroom.
c	My uncle is singing in the bathroom.
d	My uncle had been singing in the bathroom.

18. Carla drives ... This is why she is often stopped by the Police.

a	carefull.
b	careless.
c	carelessly.
d	carefully.

19. Simona Halep and Irina Begu are two Romanian ...

a	tenniswomans.
b	tenniswomen.
c	tennismans.
d	tennismen.

20. Grandpa ... off his bike and broke his leg.

a	filled
b	falled
c	felt
d	fell

21. Which Mall is ... from your hometown: Băneasa Mall, in Bucharest, or Iulius Mall, in Cluj?

a	farther
b	farthest
c	more farther
d	the most farthest

22. My boss often asks me...

a	where will I spent my weekends.
b	where do I spend my weekends.
c	where I spend my weekends.
d	where I have been spent my weekends.

23. If it ... weekend right now, we would be on the beach, lying in the sun.

a	will be
b	would be
c	has been
d	were

24. Your parents are certainly worried about your missing home. You ... call them immediately!

a	should
b	can
c	may
d	might

25. What ... when Stephen called you last night?

a	has you been doing
b	you did
c	were you doing
d	you was doing

*(Vocabular)*

26. We could not find a single bank in town to ... us money for a new house.

a	borrow
b	lend
c	spend
d	expand

27. She enjoys watching the sun ... from the sea on summer mornings.

a	riding
b	raising
c	racing
d	rising

28. This little boy injured his ankle. Where does he feel the pain? In his ...

a	leg.
b	chest.
c	head.
d	arm.

29. Their job demands them to submerge every day to check the submarine's condition. They are ...

a	divers.
b	drivers.
c	swimmers.
d	rescuers.

30. In spite of their warm hospitality, their guests felt uneasy all the time. How did they feel?

a	difficult
b	uncomfortable
c	disturbed
d	lonely

31. Mr. Hashimoto is a well-known playwright. What does he do for a living?

a	He judges.
b	He acts.
c	He plays.
d	He writes.

32. "Have you bought the latest fashion magazine?" What is this man interested in?

a	A store.
b	A shop.
c	A journal.
d	A report.

33. Why are your kids so joyful? Why are they so ...?

a	innocent
b	small
c	happy
d	immature

34. Soldiers use weapons to ... their enemies.

a	shoot
b	shout
c	shut
d	shuttle

35. This country experienced a terrible famine last year. What did their people lack?

a	Water.
b	Food.
c	Money.
d	Fuel.

### B. Partea a III-a: SCRIS

36. Choose the most appropriate line to formulate an informal invitation.

a	Mr. Smith, We request the honor of your participation to lunch.
b	Why don't you come to our place for lunch? We'll have a barbeque, so don't miss it!
c	Dear Sir, Could you bless our place and come to lunch?
d	It's ok if you can't make it to lunch!

37. Choose the most appropriate line to make a formal invitation.

a	Would you like to attend the show tonight?
b	You think you can make it for the show tonight?
c	Hey, attend the show, will you? It's tonight!
d	Do you like shows? There's one tonight!

38. Which is the most appropriate line to end a formal letter?

a	Your faithful,
b	Yours forever,
c	Yours devoted,
d	Yours faithfully,

39. Which is the most appropriate line to begin a letter of application?

a	I would be interested in occupying a vacant position in your company.
b	I'll write to occupy your vacant position in your company.
c	My education will make you want me to occupy your vacant position.
d	My experience in occupying vacant positions is vast.

40. Choose the most appropriate line to start a complaint letter.

a	I would like to inform you about some inconvenience related to your product.
b	I like to complaint about your product.
c	I want to make a complaint. Your product is cheap.
d	I'm writing this letter because your product complains me.

41. Which is the most appropriate manner to open an informal thank you letter?

a	Dear beloved, We'd appreciate if you said thank you, from time to time.
b	Dear all, Thank you if you helped us. What did you do?
c	Dear friends, What you did for us does not compensate for your mistakes!
d	Dear friends, I really appreciate what you did for us.

42. Choose the most appropriate way to initiate a letter to a newspaper's editor.

a	Dear editor, I don't really see what was on your mind when you wrote the article about the Music Awards Ceremony.
b	Dear Sir, I would like to make some remarks, in reply to your article published on the occasion of the Music Awards Ceremony.
c	Dear Sir, About the Music Awards Ceremony, what was said in your article is total madness.
d	Dear editor, The article mentioning the Music Awards is a piece of cake. And, what did you mean?

43. Which is the most suitable manner to end a letter of application?

a	If my diplomas are not good for you, try me! I bet I'm the best of all!
b	I know that my knowledge in the field of technology is unbeatable. So, I'm waiting for your call.
c	I am confident that my experience in the field of technology will suit your company's needs.
d	In conclusion, I consider that I'm better than any of your workers. What do they know about technology?

44. Choose the most suitable ending to a complaint letter.

a	I am positive that my demand will end up unsolved.
b	If you were me, you'd be worrying about my money. You'd better give it back!
c	I am confident that my demand will be given a reasonable solution.
d	If you don't solve my case, I'll damage your product.

45. Which is the most suitable way to open an informal letter?

a	High there,
b	Hi there,
c	Dear Mrs. Smith,
d	Mister Dear,

**BAREM DE EVALUARE ȘI APRECIERE A  
TESTULUI GRILĂ LA ENGLEZĂ  
VARIANTA I**

1	b	16	a	31	d
2	c	17	c	32	c
3	a	18	c	33	c
4	d	19	b	34	a
5	a	20	d	35	b
6	d	21	a	36	b
7	b	22	c	37	a
8	c	23	d	38	d
9	a	24	a	39	a
10	c	25	c	40	a
11	d	26	b	41	d
12	b	27	d	42	b
13	c	28	a	43	c
14	d	29	a	44	c
15	b	30	b	45	b

LUCRARE SCRISĂ LA MATEMATICĂ  
VARIANTA II A

1. Să se calculeze suma  $S_n = 2 + 22 + 222 + \dots + \underbrace{222\dots2}_n$ .  
**a)**  $\frac{2(10^n - 9n - 10)}{81}$ ; **b)**  $\frac{2(10^{n+1} - 9n + 10)}{81}$ ; **c)**  $\frac{2(10^{n+1} - 9n - 10)}{81}$ ; **d)**  $\frac{2(10^{n+1} - 11)}{81}$ ;  
**e)**  $\frac{2(10^{n+1} - 9n - 10)}{83}$ .
2. Să se determine parametrii reali  $a$  și  $b$  pentru ca ecuația  $x^3 + ax^2 + bx + 18 = 0$  să admită rădăcina dublă  $x = 3$ .  
**a)**  $a = 1, b = -3$ ; **b)**  $a = -4, b = 2$ ; **c)**  $a = -4, b = 1$ ; **d)**  $a = -4, b = -3$ ; **e)**  $a = 0, b = -3$ .
3. Să se determine  $m \in \mathbf{R}$  astfel încât ecuațiile  $x^2 + 3x - 2m = 0$  și  $x^2 - 5x + 2m = 0$  să admită o rădăcină comună.  
**a)**  $m \in \{0, 3\}$ ; **b)**  $m \in \{1, 2\}$ ; **c)**  $m \in \{-2, 2\}$ ; **d)**  $m \in \{0, 2\}$ ; **e)**  $m \in \{-3, 2\}$ .
4. Să se calculeze  $\cos(a - b)$  dacă  $\sin a + \sin b = 1$  și  $\cos a + \cos b = \sqrt{2}$ .  
**a)**  $\frac{1}{3}$ ; **b)**  $\frac{1}{2}$ ; **c)**  $\frac{1}{\sqrt{2}}$ ; **d)**  $\frac{1}{4}$ ; **e)**  $\frac{1}{8}$ .
5. Să se determine  $\alpha \in \mathbf{R}$  dacă vectorii  $\vec{u} = (\alpha + 2)\vec{i} + \alpha\vec{j}$  și  $\vec{v} = \alpha\vec{i} - 2\vec{j}$  sunt perpendiculari.  
**a)**  $\alpha = 2$ ; **b)**  $\alpha = 0$ ; **c)**  $\alpha = -1$ ; **d)**  $\alpha = 4$ ; **e)**  $\alpha = 5$ .
6. Se consideră binomul  $\left(\frac{\sqrt[3]{x}}{y} - \frac{y}{\sqrt[4]{x}}\right)^{18}$ . Determinați termenul  $T_{10}$ .  
**a)**  $T_{10} = -C_{14}^9 \sqrt[4]{x^3}$ ; **b)**  $T_{10} = -C_{18}^9 \sqrt[4]{x^5}$ ; **c)**  $T_{10} = -C_{20}^9 \sqrt[4]{x^3}$ ; **d)**  $T_{10} = -C_{18}^{10} \sqrt[4]{x^3}$ ; **e)**  $T_{10} = -C_{18}^9 \sqrt[4]{x^3}$ .
7. Dacă  $2 \ln x - \ln y = \ln\left(x + \frac{3}{4}y\right)$ , atunci:  
**a)**  $\frac{x}{y} \in \left\{-\frac{1}{2}, \frac{3}{2}\right\}$ ; **b)**  $\frac{x}{y} = \frac{1}{2}$ ; **c)**  $\frac{x}{y} = \frac{3}{2}$ ; **d)**  $\frac{x}{y} \in \left\{-\frac{1}{2}, \frac{5}{2}\right\}$ ; **e)**  $\frac{x}{y} \in \left\{-\frac{1}{3}, \frac{3}{2}\right\}$ .
8. Să se calculeze suma  $S = 1 + 2x + 3x^2 + \dots + nx^{n-1}$ ,  $x \neq 1$ .  
**a)**  $\frac{nx^{n+1} - (n+1)x^n + 5}{(x-1)^2}$ ; **b)**  $\frac{nx^{n+1} + 1}{(x-1)^2}$ ; **c)**  $\frac{nx^{n+1} - (n+1)x^n + 1}{(x-1)}$ ; **d)**  $\frac{nx^{n+1} - (n+1)x^n + 2}{(x-1)^2}$ ;  
**e)**  $\frac{nx^{n+1} - (n+1)x^n + 1}{(x-1)^2}$ .
9. Produsul  $P$  al soluțiilor ecuației  $x^{\lg x - 1} = 100$  este:  
**a)**  $P = 12$ ; **b)**  $P = 11$ ; **c)**  $P = 10$ ; **d)**  $P = 13$ ; **e)**  $P = 5$ .
10. Dacă  $4^x + 4^{-x} = 23$ , atunci  $2^x + 2^{-x}$  este:  
**a)** 5; **b)** 4; **c)** 10; **d)** 2; **e)** 14.

11. Fie punctele  $A(3,-1)$  și  $B(2,1)$ . Să se determine coordonatele punctului  $C$  care este simetricul punctului  $B$  în raport cu punctul  $A$ .  
**a)**  $C(2,-3)$ ; **b)**  $C(4,2)$ ; **c)**  $C(4,-3)$ ; **d)**  $C(1,3)$ ; **e)**  $C(4,0)$ .
12. Valoarea limitei  $l = \lim_{x \rightarrow \infty} \left( \frac{5x+1}{5x+3} \right)^{2x+3}$  este:  
**a)**  $l = e^5$ ; **b)**  $l = e^3$ ; **c)**  $l = e^4$ ; **d)**  $l = e^{-1}$ ; **e)**  $l = e^{-\frac{4}{5}}$ .
13. Să se determine aria  $A$  a mulțimii plane cuprinsă între graficele funcțiilor  $f(x) = \sqrt{8x}$  și  $g(x) = x^2$ .  
**a)**  $A = \frac{8}{5}$ ; **b)**  $A = \frac{5}{3}$ ; **c)**  $A = \frac{1}{3}$ ; **d)**  $A = \frac{8}{3}$ ; **e)**  $A = \frac{8}{7}$ .
14. Se consideră  $I_n = \int_0^1 \frac{x^n}{x^2 + 6x + 10} dx$ ,  $n \in \mathbf{N}^*$ . Să se calculeze  $I_{n+2} + 6I_{n+1} + 10I_n$   
**a)**  $\frac{1}{n+2}$ ; **b)**  $\frac{1}{n+1}$ ; **c)**  $\frac{n}{n+1}$ ; **d)**  $\frac{2n}{n+1}$ ; **e)**  $\frac{1}{3n+1}$ .
15. Funcția  $f: \mathbf{R} - \{b\} \rightarrow \mathbf{R}$ ,  $f(x) = \frac{ax^2}{x-b}$  are asimptotă oblică spre  $+\infty$  dreapta  $y = x + 1$  dacă:  
**a)**  $a = b = 1$ ; **b)**  $a = 1, b = -1$ ; **c)**  $a = 2, b = -1$ ; **d)**  $a = 1, b = 3$ ; **e)**  $a = 1, b = 5$ .

**BAREM DE EVALUARE ȘI APRECIERE A  
TESTULUI GRILĂ LA MATEMATICĂ  
VARIANTA II A**

1	c
2	d
3	d
4	b
5	b
6	e
7	c
8	e
9	c
10	a
11	c
12	e
13	d
14	b
15	a