

ADMITERE 2015

SUBIECTELE PROBELOR ȘI BAREMELE DE CORECTARE ȘI NOTARE

PROFILUL SUBOFITERI

PROBA NR.1 TEST GRILĂ DE EVALUARE A CUNOȘTIȚELOR LA INSTRUCȚIE MILITARĂ DE BAZĂ

Subiectele de la această disciplină se vor putea obține de la următoarea adresă: Cpt.cdor Mititelu Corneliu, telefon 0238719107, int.186/198.

PROBA NR.2 TEST GRILĂ LA LIMBA ENGLEZĂ VARIANTA 1

PARTEA I: CITIT

Jane is in San Francisco. She's on holiday with her friend Mark. San Francisco is a beautiful city, but the buildings aren't very old. The people are very friendly and the food is fantastic.

- 1.The text informs us about Jane's ...
- city
 - friends
 - holiday
 - job

Angela gets up at six o'clock and has a cup of coffee. She doesn't have breakfast. At nine o'clock she goes to the concert hall and plays the violin with the orchestra. She usually has lunch at home.

- 2.The text informs us about Angela's...
- dinner
 - daily routine
 - violin
 - favorite food

Tom and Mary like to relax in the afternoon. Sometimes they watch TV because they like TV shows. They have dinner and sometimes they drink a glass of wine. They never go out in the evening and they play cards.

3. The text informs us about Tom and Mary's...

- a. TV life
- b. mornings
- c. free time
- d. TV set

Dorothy is married and has two children. They go to school in Dublin. Her husband is a doctor at the Memorial Hospital. She is a teacher and she loves her pupils. Sometimes she visits her parents in London.

4. The text informs us about Dorothy's...

- a. family
- b. program
- c. sister
- d. wife

A supermarket is a perfect place to go shopping. You can always buy fresh fruit and vegetables. It is open from seven o'clock in the morning until ten o'clock at night. People like supermarkets because they can find everything they need.

5. The text informs us about...

- a. good shops
- b. healthy food
- c. nice people
- d. supermarkets

Bournemouth is a big city near the sea. It is beautiful and it has old buildings and good beaches. It has good food and night life.

The best times to visit are in spring and summer. There are cheap hotels and the city has theaters and cinemas. There is a very good museum, too. It has very good shops.

There are restaurants from many countries - Italian, Turkish, Lebanese, and Japanese. There are a lot of cheap restaurants.

There are fast trains from London to Bournemouth and it isn't expensive.

6. Bournemouth is a...

- a. country
- b. city
- c. village
- d. sea

7. Bournemouth has old...

- a. parks
- b. people
- c. cars
- d. buildings

8. The hotels are...

- a. expensive
- b. cheap
- c. big
- d. tall

9. There are restaurants from...

- a. Italy
- b. Portugal
- c. France
- d. Spain

10. You can travel to Bournemouth by...

- a. train
- b. boat
- c. plane
- d. car

Hello! My name is Rob Thomson and I am from Scotland. I am a student at a university in Manchester, England. I study French and German and I can speak them very well.

I live with an English family in a house near the university. They are very nice people. Their names are Jack and Ann. Jack is 45 years old and Ann is 41. They have two sons. Tom is a doctor in a big hospital in London and Paul is a lawyer in Oxford.

There are many expensive restaurants and cafes in Manchester. But the student bars are cheap.

11. Rob is a...

- a. doctor
- b. lawyer
- c. actor
- d. student

12. Rob comes from...

- a. England
- b. Germany
- c. Scotland
- d. France

13. His university is in...

- a. London
- b. Manchester
- c. Paris
- d. Oxford

14. Jack is...

- a. forty-five
- b. forty-three
- c. forty-two
- d. forty-four

15. The student bars are ...
- a. cheap
 - b. expensive
 - c. money
 - d. free

PARTEA a II-a: ELEMENTE DE GRAMATICĂ ȘI VOCABULAR

16. Peter's the kitchen
- a. at
 - b. from
 - c. in
 - d. under

17. This is the...car.
- a. most nice
 - b. gooder
 - c. more good
 - d. best

18. Every morning, we... coffee and juice.
- a. drinks
 - b. drink
 - c. drinking
 - d. drank

19. I... this homework tomorrow.
- a. am finish
 - b. not finish
 - c. will finish
 - d. is finish

20. She...school in 1984.
- a. started
 - b. likes
 - c. liking
 - d. starting

21. She is...journalist.
- a. an
 - b. and
 - c. a
 - d. two

22. I would like...apples.
- a. a
 - b. an
 - c. some
 - d. one

23. ...I come and see you tomorrow?
- a. Can
 - b. Did
 - c. Was
 - d. Do
24. She can sing...she can't play the piano.
- a. and
 - b. because
 - c. or
 - d. but
25. I have a lot of...
- a. moneys
 - b. money
 - c. many
 - d. manys
26. You can...an email on a computer.
- a. send
 - b. cook
 - c. iron
 - d. run
27. He goes to the market by public...
- a. transportation
 - b. taxi
 - c. car
 - d. bicycle
28. In my kitchen I use...
- a. cars
 - b. bars
 - c. forks
 - d. hats
29. At the cinema you can watch...
- a. cats
 - b. plays
 - c. friends
 - d. movies
30. He likes playing the...
- a. piano
 - b. car
 - c. job
 - d. card

31. John usually goes...
- a. swimming
 - b. driving
 - c. giving
 - d. football
32. There is a big... in the livingroom.
- a. car
 - b. sofa
 - c. house
 - d. sink
33. Paul likes taking...
- a. gardens
 - b. photos
 - c. emails
 - d. flyes
34. I'm a ... in a hospital.
- a. pilot
 - b. taxi driver
 - c. nurse
 - d. teacher
35. There are many...in a minibar.
- a. cats
 - b. brooms
 - c. shops
 - d. glasses

PARTEA a III-a: SCRIS

36. Which is the correct order?
- a. Like I coffee in the morning drinking.
 - b. Coffee like in the morning I drinking.
 - c. I like drinking coffee in the morning.
 - d. In the morning I drinking like coffee.
37. Which is the correct order?
- a. Everyday Paul hello says to Sue.
 - b. Sue says hello to Paul everyday.
 - c. Sue hello Paul to says everyday.
 - d. Hello Sue to Paul says everyday.

38. Which is the correct order?
- It is a nice old building.
 - Building a nice it is old.
 - Old building a it is nice.
 - Nice old building is a it.
39. Which is the correct order?
- Never home comes he late.
 - Home comes never he late.
 - He never comes home late.
 - Late he never home comes.
40. Which is the correct order?
- Use you did car my?
 - You my car use did?
 - Car my you did use?
 - Did you use my car?
41. Choose the most appropriate line to start an informal letter.
- Dear Jack,
 - See you soon.
 - Good morning,
 - Enjoy.
42. Choose the most appropriate line to start an invitation.
- I will come to your party tonight.
 - I'm sorry that I can't come.
 - I'm writing to invite you to my party.
 - How nice to hear about your party.
43. Choose the most appropriate line to start a thank you letter.
- What a surprise to hear that...
 - I would like to thank you for...
 - I want to express my regret for...
 - Please, invite me to your wedding...
44. Choose the most appropriate line to start a letter of apology.
- Please, inform me about...
 - Send my love to...
 - I'm writing to apologize for...
 - Yours, sincerely...

45. Choose the most appropriate line to end a letter to your friend.

- a. I'm looking forward to seeing you.
- b. Yours faithfully, John Clarkson.
- c. I would like to thank you.
- d. I am surprised to hear from you.

**GRILA DE CORECTARE
VARIANTA I**

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

PROBA NR.3
TEST GRILĂ LA MATEMATICĂ ȘI FIZICĂ

VARIANTA 2

1. Valoarea radicalului $\sqrt[4]{625 \cdot 81}$ este:

- a) 125; b) 25; c) 81; d) 15

2. Soluția ecuației $2^x \cdot 3^{x+1} = 18$ este:

- a) 3; b) 2; c) 6; d) 1

3. Valoarea expresiei $\frac{129!}{128!}$ este:

- a) 129; b) 128; c) 64; d) 258

4. Se consideră punctele de coordonate: B(3, 5), C(-1, 6). Coordonatele vectorului \overline{BC} sunt:

- a) (4,11); b) (2,11); c) (-4,1); d) (4,1)

5. Fie matricele: $A = \begin{pmatrix} 2 & -1 \\ 3 & 3 \end{pmatrix}$; $B = \begin{pmatrix} -1 & 3 \\ 2 & 1 \end{pmatrix}$. Atunci $A - B$ este:

- a) $\begin{pmatrix} 1 & 2 \\ 5 & 4 \end{pmatrix}$; b) $\begin{pmatrix} 3 & -4 \\ 1 & 2 \end{pmatrix}$; c) $\begin{pmatrix} 5 & 4 \\ 1 & 2 \end{pmatrix}$; d) $\begin{pmatrix} 1 & 2 \\ 3 & 4 \end{pmatrix}$

6. Reuniunea intervalelor $[-3,10]$ și $[-\sqrt{2},15]$ este:

- a) $[-3,15]$; b) $[-3,-\sqrt{2}]$; c) $[10,15]$; d) $[-\sqrt{2},15]$

7. Primii trei termeni ai șirului $a_n = 5-2n$ sunt;

- a) 1, 3, 2; b) -1, 1, 3; c) 3, 1, -1; d) -1, -2, 3

8. Valorile intersecțiilor cu axele de coordonate ale graficului funcției $f: \mathbb{R} \rightarrow \mathbb{R}$, definită de $f(x) = -\sqrt{2}x + 4$ sunt

- a) $(-2\sqrt{2}, 0)$ și $(0, -4)$; b) $(-2\sqrt{2}, 0)$ și $(0, 4)$; c) $(2\sqrt{2}, 0)$ și $(0, -4)$; d) $(2\sqrt{2}, 0)$ și $(0, 4)$

9. Valoarea în grade a expresiei $\frac{7\pi}{6}$ este:

- a) 180° ; b) 210° ; c) 90° ; d) 145°

10. Printr-o secțiune transversală a unui fir conductor parcurs de un curent de intensitate $I = 5\text{A}$, trece sarcina $q = 1800\text{C}$ în timpul necunoscut τ . Valoarea timpului τ este:

- a) 360 s; b) 180 s; c) 100 s; d) 36 s

11. Un acumulator cu t.e.m. $E = 40\text{V}$ are intensitatea curentului de scurtcircuit $I_{sc} = 20\text{A}$. Aflați rezistența R a rezistorului care, legat la bornele acumulatorului, face ca tensiunea la borne să fie $U = 11\text{V}$.

- a) $1,75\ \Omega$; b) $1\ \Omega$; c) $0,75\ \Omega$; d) $2\ \Omega$

12. Într-un nod de rețea electrică intră curenții $I_1 = 2\text{A}$, $I_2 = 300\text{mA}$. Valoarea curentului electric care iese din nod este:

- a) 20 A; b) 1,7 A; c) 302 A; d) 2,3 A

13. Se grupează în serie rezistoarele electrice $R_1 = 2\text{k}\Omega$, $R_2 = 10\text{k}\Omega$, $R_3 = 2\ \Omega$. Rezistența echivalentă R_e a circuitului format este:

- a) $12002\ \Omega$; b) $12020\ \Omega$; c) $12220\ \Omega$; d) $12000\ \Omega$

14. O plită electrică de puterea $P = 300\text{W}$ funcționează la tensiunea $U = 60\text{V}$. Valoarea rezistenței electrice a plitei este:

- a) $24\ \Omega$; b) $6\ \Omega$; c) $12\ \Omega$; d) $3\ \Omega$

15. Un mobil pleacă din punctul A și se mișcă rectiliniu uniform cu viteza $v = 40\text{km/h}$ și ajunge în punctul B după un timp egal cu 2 ore. Distanța între punctele A și B este:

- a) 20 km; b) 40 km; c) 80 km; d) 160 km

16. O forță de 20 N este aplicată unui corp având masa 10 kg. Accelerația imprimată corpului este:

- a) 2 m/s^2 ; b) 4 m/s^2 ; c) 10 m/s^2 ; d) 1 m/s^2

17. Aflați lucrul mecanic efectuat pentru a ridica un corp de masă $m = 100 \text{ g}$, pe înălțimea $h = 40 \text{ cm}$, știind că $g = 10 \text{ m/s}^2$.

- a) 0,8 J; b) 0,4 J; c) 1,6 J; d) 0,2 J.

18. Un corp de masă $m = 2 \text{ kg}$ este tras pe un plan orizontal, fără frecare, plecând din repaus, de forța $F = 5 \text{ N}$. Energia cinetică după 5 s este:

- a) 156,25 J; b) 256 J; c) 320,5 J; d) 75 J

GRILA DE CORECTARE LA MATEMATICĂ ȘI FIZICĂ

VARIANTA NR.2

Nr.item	Răspuns
17.	b
18.	d
3.	a
4.	c
5.	b
6.	a
7.	c
8.	d
9.	b
10.	a
11.	c
12.	d
13.	a
14.	c
15.	c
16.	a