ENTRANCE EXAMINATION – 2019

M.Sc. Molecular Microbiology

Time: 2 hours	Maximum Marks: 100
HALL TICKET NO.	

INSTRUCTIONS

Please read carefully before answering the questions:

- 1. Enter your Hall Ticket number both on the top of this page and on the OMR answer sheet.
- 2. Answers are to be marked only on the **OMR answer sheet** following instructions provided there upon.
- 3. Hand over the OMR answer sheet to the Invigilator before leaving the examination hall.
- 4. The question paper contains 100 questions (Part-A: Question Nos. 1-25 and Part-B: Questions Nos. 26-100) of multiple-choice printed in 16 pages, including this page. One OMR answer sheet is provided separately. Please check.
- 5. The marks obtained in Part-A will be used for resolving the tie cases.
- 6. Each question carries one mark.
- 7. There is <u>Negative marking</u> for wrong answers, in **Parts A and B**. For each wrong answer, 0.33 mark will be deducted.
- 8. Calculators and mobile phones are NOT allowed.

PART - A

- 1. Which of the following statements is **not** correct regarding Spirochetes?
 - A. They have endoflagella between the outer membrane and the protoplasmic cylinder; thus they are located in the periplasmic space of the cell
 - B. Spirochetes like other bacteria swim best in media of low viscosity
 - C. They are best viewed using dark-field microscopy
 - D. Spirochetes have an ability to twist or contort their shape due to the occurrence of a special kind of flagella termed periplasmic flagella

2. Ionic radii are

- A. greater than the respective atomic radii of elements in general
- B. greater than the respective atomic radii of electropositive elements
- C. less than the respective atomic radii of electropositive elements
- D. greater than the respective atomic radii of electronegative elements
- 3. An epidemic disease of paddy that caused the Bengal famine is
 - A. Blast disease of rice by Pyricularia
 - B. Khaira disease of rice by mineral deficiency
 - C. Brown spot disease of rice by Helminthosporium
 - D. Bacterial blight of rice by Xanthomonas
- 4. Which of the following are functions of 'maintenance media'?
 - A. used for assay of vitamins, amino acids
 - B. used for determining the bacterial content
 - C. used for determining the type of growth produced by bacteria
 - D. used for conservation of the viability and physiological characteristics

5. Curdlan is

- A. polymer of β -(1,3)-linked glucose residues
- B. polymer of β -(1,4)-linked glucose residues
- C. polymer of β -(1,3)-linked galactose residues
- D. polymer of β -(1,4)-linked galactose residues
- 6. Kelps are which of the following type of algae?
 - A. Red algae

B. Yellow algae

C. Brown algae

D. Green algae

- 7. Anthramycin, tomaymycin and neothramycin are which of the following type of antibiotics?
 - A. Antiviral

B. Antitumor

C. Antifungal

- D. Antibacterial
- 8. Which of the following bacteria requires nicotinic acid as a growth factor in their media?
 - A. Proteus vulgaris

B. Nitrosomonas sp

C. Escherichia coli

- D. Leuconostoc mesenteroides
- 9. Which of the following reagent information is correct regarding "Lucas Reagent"?
 - A. A mixture of concentrated HCl and anhydrous Zinc Chloride and used for distinguish three types of alcohol
 - B. An alkalic solution of K₂HgI₄ used for detecting ammonia
 - C. CuSO₄.5H₂O solution with sodium carbonate and sodium citrate used for detecting aldehyde group
 - D. It is a mixture of copper sulphate solution (solution A) and alkaline sodium-potassium tartrate solution (solution B) and used for detecting aldehyde group
- 10. What is perisperm?
 - A. It is the defected sperm which loses its ability to penetrate outer covering of egg
 - B. The layer of nutritive tissue, derived from the nucellus, that surrounds the embryo of a seed in some angiosperms
 - C. It is the movement of sperm in female genital tract
 - D. It is the internal part of pollen grain in the zygomorphic flower
- 11. Which of the following statements is incorrect of conjugation in bacterium?
 - A. Cells with F plasmid produces sex pili through which DNA is transferred from donor to recipient cells during conjugation
 - B. In Hfr cells, bacterial genes close to the origin are transferred first to the recipient cells
 - C. In F' cells, F-factor genes along with bacterial genes are transferred to the recipient cells
 - D. Both DNA strands of the F-plasmid are first replicated, then nicked and finally transferred to the recipient cells
- 12. Meso form of tartaric acid is
 - A. Dextrorotatory
 - B. Laevorotatory
 - C. Neither laevo nor dextro rotatory due to internal compensation
 - D. A mixture of equal quantities of dextro and laevo forms

13. A reaction in which two σ -bonds are lost and a	new π -bond is formed is an example of
A. Rearrangement reaction	B. Substitution reaction
C. Elimination reaction	D. Addition reaction
14. Chromatium okenii uses which of the following photoautotrophic growth?	g compound as electron donor for
A. Hydrogen sulphide	B. Fatty acids
C. Alcohol	D. Succinate
15. In the structural formula of CuSO ₄ .5H ₂ O	
A. five molecules of water are coordinated to t	he central Cu ²⁺ ion
B. four molecules of water are coordinated to bonded to the sulphate group	the central Cu ²⁺ ion and one is hydrogen
C. three molecules of water are coordinated to	the central Cu ²⁺ ion and two are hydrogen
bonded to the sulphate group	
D. two molecules of water are coordinated to t bonded to the sulphate group	he central Cu ²⁺ ion and three are hydrogen
onided to the surphate group	
16. The compound that would produce a silver mir	ror with Tollen's reagent is
А. НСООН	B. CH₃COOH
C. C_2H_5OH	D. C ₆ H ₅ OH
17. The broad-spectrum digestive enzyme formula and absorption of proteins, fats, and carbohydra	
A. Allozymes	B. Isozymes
C. Protozymes	D. Novozymes
18. The bioluminescent dinoflagellates are	
A. Noctiluca and Gonyaulax	B. Gymnodinium and Cerastium
C. Dinobryon and Distephanus	D. Pinnularia and Acetabularia
19. One of the following is not a member of <i>Entero</i>	obacteriaceae
A. Serratia B. Shigella	C. Klebsiella D. Stigmatella

20. The stage in the life history of secondary host is	of Plasmodium which o	can be found both i	in the primary and	
A. Merozoite B. Tro	ophozoite C.	Ookinete	D. Gametocyte	
21. Identify the mismatch below	7			
Inhibitor1. Malonate2. Cyanide3. Oligomycin4. Rotenone	Inhibits cy Inhibits A	oxidation of succina tochrome oxidase TP synthase mplex-III in ETC	•	
A. Both 1 & 4 C. Both 1 & 3		Both 2 & 4 4 Only		
22. All of the following events of	ccur during meiosis-I	except?		
 A. Homologous pairs of chromosomes synapse and crossing over occurs B. Separation of homologous chromosomes C. Sister chromatids of each homologous chromosome separate and migrate toward different poles D. Cytoplasm divides to produce two cells 				
23. Which of the following meth cytoplasmic membrane?	ods can be utilized for	removing peripher	ral proteins of the	
A. Treatment by detergents C. Heat application		Osmotic shock Destruction of the	e membrane	
24. Which among the following	develop in the upper p	ortion of the Wino	gradsky column?	
A. Sulfate-reducing bacteriaC. Purple-sulfur bacteria		Green-sulfur bact Thiobacilli	eria	
25. If the GC content of a DNA molecule is	nolecule is 54 percent.	, than the content o	of A and T in this	
 A. 27 percent and 27 percent B. 23 percent and 23 percent C. 46 percent and 54 percent D. 27 percent and 23 percent 	t, respectively			

PART - B

B. Cellulose only

D. Starch and Cellulose

26. The xanthophyte walls are typically made of

A. Chitin only

C. Cellulose and Pectin

27.	The bacteria which causes soil to lose their	fertility is
	A. Bacillus ramosus C. Rhizobium leguminosarum	B. Nitrobacter D. Bacillus denitrificans
28.	Which of the following bacteria cachemoorganotrophs?	n grow both as chemolithotrophs and a
	A. Pseudomonas pseudoflava C. Rhodospirillum rubrum	B. Nitrobacter sp D. Chromatium okenii
	NADH + H ⁺ are formed during the converse. A. Glucose-6-phosphate to Fructose-6-phosphoglyceraldehyde to Phosphoglycerate to Pyruvate D. Fructose-1, 6, diphosphate to two trioses	sphate
30.	Which of the following is the relationship b	petween optical density and cell mass?
	A. Exponentially proportional C. Inversely proportional	B. Linearly proportionalD. Not related
31.	. Sabin vaccine is given to offer	
	A. Innate immunityC. Active immunity	B. Passive immunity D. Auto immunity
32	. Tornaria larva is found in the development	of stages of
	A. Starfish C. Frog	B. CockroachD. Balanoglossus
33	. Which among the following support lithou	utotrophic growth of microorganisms
	A. $H_2S + CO_2$ B. $H_2S + glucose$	C. Glucose + CO_2 D. CO_2 + Pyruvate

34. Which of the following types of association <i>Aspergillus terreus</i> ?	is present among Staphylococcus aureus and
A. Antagonism	B. Mutualism
C. Parasitism	D. Commensalism
35. Cord factor is a	
A. Protein	B. Teichoic acid derivative
C. Mycolic acid derivative	D. Carbohydrate
36. What are the characteristics of rough pneumoc	occi strain?
A. Noncapsulated and Pathogenic	B. Noncapsulated and Nonpathogenic
C. Capsulated and Pathogenic	D. Capsulated and Nonpathogenic
37. Prosthecae helps in	.
A. Motility	
B. Human infection	
C. Nutrient absorption and attachment to surfa	aces
D. Protection from environment	
38. The genetic make-up of human disease "Sickle disease occurs due to	e Cell Anemia" is very much studied. This
A. Synonymous SNP in β-globin gene at 6 th a:	mino acid position
B. Non-synonymous SNP in β -globin gene at	
C. Variable no. of tandem repeats in β -globin	
D. Microsatellite in β-globin gene at 6 th amino	acid position
39. Which of the following characteristics gives to	the enzyme its specificity?
A. Hydrogen ion specificity	B. High molecular weight
C. Distinct surface configuration	D. The constituent co-enzyme
40. Identify the wrong statement about aldehydes	and ketones
A. They cannot form any intermolecular hydro	ogen bonds
B. The lower members are soluble in water	

D. The intermolecular attraction in them are stronger that in the alcohols of similar

C. They are polar compounds

molecular weights

4 4	T	•	1.			•	•
<i>1</i> 111	l liarrhaga	111	MADILITAR	animale	10	COLLEGE	ht.
71.	Diarrhoea	ш	DOULLY	aimmais	10	Causcu	UY
			1				-

A. Salmonella pullorum

B. Clostridium botulinum

C. Salmonella gallinarium

- D. Mycobacterium avium
- 42. The fruit fly *Drosophila melanogaster* has three pairs of autosomes and one pair of sex chromosomes. Which of the following is **incorrect** about sex determination in *Drosophila*?
 - A. The autosomes do not play any role in sex determination
 - B. The fruit fly's sex is determined by a balance between genes on the autosomes and genes on the X chromosome
 - C. Y chromosome contains only genes directly involved with male fertility
 - D. X-chromosome contains genes with female-producing effects

43. Cauliflory is

- A. production of flowers on young branches
- B. production of flowers on old stems
- C. formation of plants from epiphyllous buds
- D. formation of flowers in clusters
- 44. The outer membrane of the Gram-negative cell wall is anchored to the underlying peptidoglycan by means of which of the following?
 - A. Braun's Lipoprotein

B. Phospholipids

C. Lipopolysaccharide

D. Proteins

45. Oligotrophic lakes are

- A. rich in organic matter but poor in biotic components
- B. rich in planktons but low in organic content
- C. shallow water bodies with no organisms
- D. poor in organic contents and poor in biotic components
- 46. Which of the following is required for the absorption of Vitamin B₁₂ from the ileum?
 - A. HCl in gastric juice

B. Pepsin in gastric juice

C. Intrinsic factor in gastric juice

D. Enterokinase in succus entericus

47. Undifferentiated cells of Hydra are

A. Epithelio-muscle cells

B. Interstitial cells

C. Glandulo-muscle cells

D. Cnidoblasts

48.	Which one of the followerfringens?	owing is a hyaluronidase t	hat	may aid invasivene	ss c	f Clostridium
	A. α-toxin	B. β-toxin	C.	μ-toxin	D.	θ-toxin
49.	In the lac operon, the	absence of Y-cistron resul	lts i	n the non-synthesis	of	
	A. β-galactosidaseC. Permease	·		Transacetylase RNA polymerase		
50.	Organisms that live in	nside rocks or in pores betw	wee	n mineral grains are	e ca	lled as
	A. EndolithsC. Psychrophiles			Extremophiles Mesophiles		
51.	The 'bast' fibres are			,		
	A. Xylem	B. Phloem fibres	C.	Sclereids	D.	Sieve tubes
52.	Which one of the follouppressor	owing chromosomal aberr	atio	ns is known to act	as c	ross-over
	A. Duplication	B. Deletion	C.	Inversion	D.	Translocation
53.	Peripatus is called the	e connecting link between				
	A. Annelida and Mol					
	B. Annelida and ArtlC. Arthropoda and M	•				
	D. Arthropoda and E					•
54.	Phage display technic	que makes use of which of	the	following vectors?	ı	
	A. BAC	B. Lambda	C.	M13	D.	2 micron circle
55.	55. When a gamete that is n-1 fuses with another gamete that is n-1, the resulting organism is					
	A. Tetrasomic	B. Monosomic	C.	Trisomic	D.	Nullisomic
56.	Nutmeg botanical nar	me is				
	A. Syzygium aromat	icum	В.	Cinnamomum zye	lani	cum
	C. Myristica fragran	ıs	D.	Cinnamomum tan	nala	

57. A disease cycle in which a pathogen that takes s	several years to initiate new infection is called
A. Monocyclic cycle	B. Polycyclic
C. Polyetic cycle	D. All of these
58. For any color to be developed in the aleurone two loci plus the recessive condition at the thi genotypes will produce colorless aleurone. What be expected in the progeny from matings between	rd locus (A-R-ii) must be present. Any other at phenotypic ratio of colored: colorless would
A. 8 colored: 56 colorless	B. 9 colored: 55 colorless
C. 58 colored: 6 colorless	D. 52 colored: 12 colorless
59. "Laughing sickness or kuru" disease of human'A. PrionsC. Viroids	B. Viruses
C. Viroids	D. Virusoid
60. Biparental transmission of plastids was demons	trated by Baur in which of the following
A. Mirabilis jalapa	B. Pelargonium zonale
C. Chlamydomonas	D. Maize
61. Why do geneticists rely on mitochondrial DNA populations?	(mtDNA) to study the relatedness of animal
A. mtDNA mutates at a slower rate than nuclea	ar DNA
B. mtDNA is maternally inherited and is free f	rom recombination
C. It has few single nucleotide polymorphismsD. All mitochondrial proteins are coded by mit	- -
62. Identify the mismatch	
A. Bifidobacterium - produces acetic acid	
B. Frankia - fixes nitrogen	
C. E. coli – Methyl red positive	
D. Enterobacter – H ₂ S positive	
63. A metabolic pathway that results in the general substrates such as lactate, glycerol and glucoge	-
A. Glycolysis	B. Gluconeogenesis
C. Glycogenolysis	D. Respiratory oxidative burst
	•

C.	Phosphoprotein	D.	Lipoprotein
65. Pa	raffin wax is		
Α.	Ester	В.	Alcohol
	Unsaturated hydrocarbon		Saturated hydrocarbon
66. Ar	mong the nitrogenous fertilizers one containing	g th	ne highest percentage of nitrogen is
A.	Calcium ammonium nitrate	B.	Urea
C.	Calcium cyanamide	D.	Ammonium sulphate
67. W	hich of the following statement is true for "Su	iccu	as entericus"?
A.	It is an acidic fluid produced from Brunner's	s gla	and of intestine
	It is an alkaline fluid produced from Brunne	,	_
	It is the name of acidic bacteria found in large	_	
D.	It is the name of alkaline mucus found in bra	ain (during Alzeimer's condition
68. H	ypo is used in photography because of its		
A.	Reducing behaviour	B.	Oxidizing behaviour
C.	Complex forming behaviour	D.	Reaction with light
69. W	hich of the following statements are correct	abou	at nodules formation by Rhizobium sp.?
(i)	Nodules formation requires participation of nodulational genes	botl	h plant's nodulin genes and rhizobial
(ii) Nod factors synthesized by nodulation gene	s ar	e lipochitin oligosaccharides
(ii	 i)Infection thread forms during nodule format plasma membrane that is produced by the fu 		
(iv	y)Nodules formation in non-leguminous plant	s ar	e mainly mediated by Rhizobium sp
A	(i) and (ii) Only	В.	(i) and (iii) Only
C.	(i), (ii) and (iii)	D.	(ii), (iii) and (iv)
70. A	mixture of CuSO ₄ and Ca(OH) ₂ used as a fun	igici	ide is known as
Α	. Gypsum	В.	Caliche
C.	Kieselguhr	D.	Bordeaux mixture
	·		

B. Disaccharide

64. Heparin is a

A. Mucopolysaccharide

71. Characteristics that	at distinguish arthropods	from annelids and mollu	iscs are
(ii) An extern	of a trochophore larva nal skeleton made of chit on of the legs into mova nandibles		
A. (i) and (ii) Or C. (i) and (iii) Or	· ·	B. (ii) and (iii) O D. (i), (ii), (iii) and	•
72. Saliva of Leeches	contains an anticoagula	nt called	
A. Anti-histamir C. Heparin		B. Hirudin D. Ptyalin	
	DNA ligase uses NAD ⁺ a phosphate and 3' hydro	, =	
A. NAD ⁺	B. NMN	C. ATP	D. AMP
74. Match the follow	ing using the codes giver	n below:	
 Camalexin Ipomoeama Isocoumari Rishitin 		(a) a lactone(b) bicyclic sesqu(c) Indolic second(d) Abnormal ses	dary metabolite
A. 1-(a), 2-(d), 3 B. 1-(d), 2-(a), 3 C. 1-(c), 2-(d), 3 D. 1-(b), 2-(c), 3	-(c), 4-(b) -(a), 4-(b)	(1)	
75. Pick up the odd a	mong the following TCA	A cycle intermediates	
A. Malate	B. Succinate	C. Fumarate	D. Citrate
76. Hexacanth embry	o is found in the life cyc	le of	
A. Wuchereria b C. Taenia soliun	•	B. Ascaris lumbi D. Entameoba h	

77. Match the following using the codes given be	low:
1. Mumps	(a) Bacteria
2. Syphilis	(b) Fungus
3. Ringworm	(c) Protozoa
4. Malaria	(d) Helminth
•	(e) Virus
A. 1-(a), 2-(c), 3-(e), 4-(d)	
B. 1-(e), 2-(c), 3-(d), 4-(a)	
C. 1-(e), 2-(a), 3-(b), 4-(c)	
D. 1-(c), 2-(b), 3-(a), 4-(e)	
78. Lateral root primordia arise by localized cell of	livisions in the
A. Pericycle	B. Endodermis
C. Epidermis	D. Çortex
79. Which of the following is not a product of no	ncyclic photophosphorylation?
A. NADPH B. ATP	C. CO ₂ D. O ₂
80. Match the following using the codes given be	low:
1. Garner & Allard	(a) Duplication of DNA
2. Bateson & Punnett	(b) Chromosome theory of heredity
3. Sutton & Boveri	(c) Photoperiodism
4. Meselson & Stahl	(d) Linkage
	(e) Bacterial conjugation
A. 1-(a), 2-(c), 3-(e), 4-(d)	
B. 1-(c), 2-(d), 3-(b), 4-(a)	
C. 1-(d), 2-(a), 3-(b), 4-(c)	
D. 1-(c), 2-(b), 3-(a), 4-(e)	
81. Which of the following is the least mobile nu	trient element in plants
A. Phosphorus	B. Potassium
C. Iron	D. Nitrogen
82. Members of Deuterostomia are	
A. Echinoderms & Chordates	B. Arthropoda & Mollusca
C. Mollusca & Echinoderms	D. Vertebrates Only
	-

- 83. The mycelium seen in the basidiocarp of Agaricus is
 - A. Primary & Dikaryotic

B. Secondary & Monokaryotic

C. Tertiary & Dikaryotic

- D. Primary & Monokaryotic
- 84. The most important factor affecting transpiration inversely is
 - A. Wind
- B. Light
- C. Temperature
- D. Humidity
- 85. Match the items listed below with the corresponding "responses"
 - 1. Shade avoidance

(a) Photoperiodism

2. Bending of shoot towards the source of light

- (b) Photomorphogenesis
- 3. Light dependent vegetative to reproductive transition in plants
- (c) Photoinhibition
- 4. Light-induced reduction in the photosynthetic capacity of a plant (d) Phototropism

- A. 1-(a), 2-(b), 3-(c), 4-(d)
- B. 1-(b), 2-(d), 3-(a), 4-(c)
- C. 1-(c), 2-(d), 3-(b), 4-(a)
- D. 1-(d), 2-(c), 3-(b), 4-(a)
- 86. Bayer's junctions are sites which help in joining which of the following?
 - A. cytoplasmic membrane and outer membrane
 - B. outer membrane and capsule
 - C. cytoplasmic membrane and periplasmic space
 - D. peptidoglycan layer and cytoplasmic membrane
- 87. Which of the following is correct for a photosynthetic cell in plants
 - A. Starch is biosynthesized in the stroma and sucrose is biosynthesized in the cytosol
 - B. Starch is biosynthesized in the cytosol and sucrose is biosynthesized in the stroma
 - C. Both starch and sucrose is biosynthesized in the stroma
 - D. Both starch and sucrose is biosynthesized in the cytosol
- 88. The 3 steps of citric acid cycle in the order of their occurrence are
 - A. Condensation, reduction, regeneration
 - B. Condensation, oxidation, regeneration
 - C. Oxidation, regeneration, reduction
 - D. Reduction, regeneration, oxidation

89. Artemisia maritima yields a drug called santonin. It is used as an				
A. antidote to snakeC. antiseptic	poison		antacid anthelminthic	
90. Dihydrouridine is a	•			
B. purine nucleosideC. pyrimidine nucle	acid found in nuclear memer found in DNA oside found in tRNA found in plasma membrand		ne	
91. The non-leguminous	genus known to form root	t no	dules with a rhizob	ic symbiont is
A. Phaseolus	B. Hibiscus	C.	Parasponia	D. Nicotiana
92. Proteasomes are prot	tein complexes, which		•	
A. fold and stabilize C. transport proteins	•		degrade damaged cargo of metaboli	•
	ng enzymes, although absorates during the course of t		•	ate life, had never been
A. LactaseC. Cellulase			Peptidase Nuclease	
94. Pollens in pollinia is	a characteristic feature of	fam	ily	
A. Orchidaceae	B. Euphorbiaceae	C.	Acanthaceae	D., Rubiaceae
95. Metridium is				
A. Sea cucumber	B. Sea Fan	C.	Sea pen	D. Sea anemone
96. Which of the following	ng alkenes can show cis-to	rans	isomerism?	
A. $CH_3CH_2Cl = CH$ C. $ClBrC = C(CH_3)$			$ClCH = CHCH_3$ $(CH_3)_2C = CHCl$	
97. Radioactive isotope	employed by Calvin for tra	acin	g the path of carbon	n in photosynthesis was
A. ¹¹ C	B. ¹⁴ C	C.	¹⁸ O	D. ³⁵ P

98. Etiolation in plants is caused by

- A. Iron deficiency
- C. Growing in dark

- B. Magnesium deficiency
- D. Virus infection

99. Klenow fragment

- A. phosphorylates 5' ends of DNA molecules
- B. ligates DNA fragments
- C. has endonuclease activity
- D. has 5'to 3' DNA polymerase activity

100. Octyl glucoside is used to

- A. dye and visualize DNA in agarose gels
- B. dye and visualize proteins in polyacrylamide gels
- C. solubilize membrane proteins
- D. stabilize membrane lipids

M.Sc. Molecular Microbiology Entrance Key_2019

1	В	26	С	51	В	76	С
2	D	27	D	52	С	77	С
3	С	28	A	53	В	78	Α
4	D	29	В	54	С	79	С
5	Α	30	В	55	D	80	B
6	C	31	С	56	C	81	С
7	В	32	D	57	C	82	Α
8	Α	33	Α	58	В	83	С
9	Α	34	Α	59	Α	84	D
10	В	35	С	60	В	85	В
11	D	36	В	61	В	86	Α
12	U	37	. <u>C</u>	62	D	87	Α
13	U	38	В	63	В	88	В
14	A	39	С	64	Α	89	D
15	В	40	D	65	· D	90	С
16	Α	41	Α	66	В	91	С
17	C	42	Α	67	В	92	В
18	A	43	В	68	С	93	C
19	D	44	Α	69	С	94	Α
20	D	45	D	70	D	95	D
21	D	46	С	71	D	96	В
22	С	47	В	72	В	97	В
23	В	48	С	73	_ D	98	С
24	D	49	С	74	С	99	D
25	В	50	Α	75	D	100	С