$\mathbf{Q.}~\mathbf{1}-\mathbf{Q.}~\mathbf{5}$ carry one mark each.

Q.1	The volume of a sphere of diameter 1 unit is than the volume of a cube of side 1 unit.				
	(A) least	(B) less	(C) lesser	(D) low	
Q.2	The unruly crowd	demanded that the acco	used be	without trial.	
	(A) hanged	(B) hanging	(C) hankering	(D) hung	
Q.3	Choose the statem	ent(s) where the underl	lined word is used corre	etly:	
	(ii) He wa	ne is a dried plum. as lying <u>prone</u> on the flo e who eat a lot of fat ar	oor. e <u>prone</u> to heart disease.		
	(A) (i) and (iii) o	nly (B) (iii) only	(C) (i) and (ii) o	only (D) (ii) and (iii) on	ly
Q.4	Fact: If it rains, the Read the following (i) It rains (ii) The field (iii) The field (iv) It did not	is not wet			
	Which one of the	options given below is	NOT logically possible	based on the given fact?	
	(A) If (iii), then (iv).	(B) If (i), then (iii).	
	(C) If (i), then (ii).	(D) If (ii), then	(iv).	
Q.5	the triangular port		upper side of the square	angle portion above it. The e. If the perimeter of the wir	
	(A) 1.43	(B) 2.06	(C) 2.68	(D) 2.88	

Q. 6 - Q. 10 carry two marks each.

Q.6	Students taking an exam are divided into two groups, P and Q such that each group has the same
	number of students. The performance of each of the students in a test was evaluated out of 200
	marks. It was observed that the mean of group P was 105, while that of group Q was 85. The
	standard deviation of group P was 25, while that of group Q was 5. Assuming that the marks were
	distributed on a normal distribution, which of the following statements will have the highest
	probability of being TRUE?

- (A) No student in group \mathbf{Q} scored less marks than any student in group \mathbf{P} .
- (B) No student in group \mathbf{P} scored less marks than any student in group \mathbf{Q} .
- (C) Most students of group **Q** scored marks in a narrower range than students in group **P**.
- (D) The median of the marks of group \mathbf{P} is 100.
- Q.7 A smart city integrates all modes of transport, uses clean energy and promotes sustainable use of resources. It also uses technology to ensure safety and security of the city, something which critics argue, will lead to a surveillance state.

Which of the following can be logically inferred from the above paragraph?

- (i) All smart cities encourage the formation of surveillance states.
- (ii) Surveillance is an integral part of a smart city.
- (iii) Sustainability and surveillance go hand in hand in a smart city.
- (iv) There is a perception that smart cities promote surveillance.

(A)	(i) and (iv) only	(B)	(ii) and (iii) only
(C)	(iv) only	(D)	(i) only

Q.8 Find the missing sequence in the letter series.

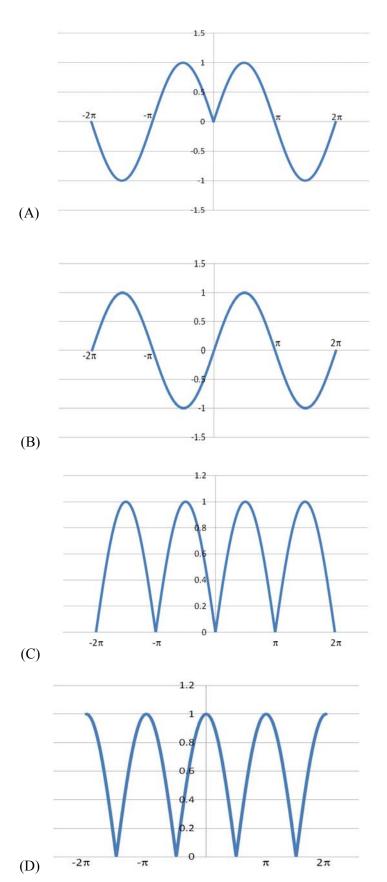
B, FH, LNP, ____.

(A) SUWY (B) TUVW (C) TVXZ (D) TWXZ

Q.9 The binary operation \Box is defined as $a \Box b = ab + (a+b)$, where a and b are any two real numbers. The value of the identity element of this operation, defined as the number x such that $a \Box x = a$, for any a, is _____.

(A) 0 (B) 1 (C) 2 (D) 10

Which of the following curves represents the function $y = \ln(|e^{[|\sin(|x|)|]}|)$ for $|x| < 2\pi$? Here, x represents the abscissa and y represents the ordinate.



END OF THE QUESTION PAPER

$Q.\ 1-Q.\ 25$ carry one mark each.

Q.1 Bacteria with two or more flagella at one or both ends are called				
	(A) amphitrichous	(B) peritrichous	(C) lophotrichous	(D) atrichous
Q.2	Which family of virus	es has single stranded D	NA?	
	(A) Herpesviridae	(B) Poxviridae	(C) Retroviridae	(D) Parvoviridae
Q.3		ng status of regulatory pe very low in the culture		nen concentrations of both
	(B) Only the cyclic AN CAP binding site(C) Neither the repress	or nor cAMP-CAP com	Protein (cAMP-CAP) complex remain bound to the	omplex remains bound to the eir respective binding sites respective binding sites
Q.4	Which of the following	g are TRUE for <i>Trepone</i>	ema pallidum?	
	P. It is the causative as Q. It is a spirochete R. It is a non-motile ba S. It is generally susce	acterium		
	Choose the correct cor	nbination.		
	(A) P, Q and R only	(B) P, Q and S only	(C) P, R and S only	(D) Q, R and S only
Q.5	In a typical mitotic cel	l division cycle in eukar	yotes, M phase occurs in	mmediately after the
	(A) G_0 phase	(B) S phase	(C) G_1 phase	(D) G_2 phase
Q.6	Which one of the follogenetic disorders?	wing is NOT a therapeu	utic agent based on nucle	cic acid for the treatment of
	(A) Antisense oligonue(C) Aptamer	eleotide	(B) Ribozyme (D) Avidin	
Q.7	ATP biosynthesis take the correct sites of H ⁺		gradient in mitochondria	and chloroplasts. Identify
	(B) Across the inner m(C) Within the matrix	embrane of mitochondr	ia and across the inner magain and across the thylake coss the inner membrane hin the stroma of chlorogeneous control of the c	oid membrane of chloroplast of chloroplast
Q.8	Which one of the fol	lowing is NOT an alg	orithm for building ph	ylogenetic trees?
	(A) Maximum parsin (C) Maximum likelih	_	(B) Neighbor joining (D) Bootstrap	5

Q.9	Cesium chloride density gradient centrifugation is commonly used for the separation of DNA molecules. The buoyant density, ρ , of a double stranded Cs ⁺ DNA is given by the equation $\rho = 1.66 + 0.098 X_{G+C}$ where X_{G+C} denotes				
	(A) total number of G (C) number of GC repo		(B) mole fraction (D) ratio of G+C t		
Q.10	Disaccharide molecule	es that contain $\beta(1 \rightarrow$	4) glycosidic linkage a	are	
	(A) sucrose and maltos(C) maltose and isoma		(B) sucrose and is(D) lactose and ce		
Q.11	Junctional diversity of	antibody molecules r	results from		
	(A) the addition of swi(B) the addition of N a(C) the joining of V, D(D) mutations in comp	and P nucleotides and J segments			
Q.12	Which one of the following is NOT used for the measurement of cell viability in animal cell culture?				
	(A) Trypan blue dye ex (C) LDH activity in the		(B) Tetrazolium (I (D) Coulter count		
Q.13	Which one of the follo	wing techniques relie	es on the spin angular n	nomentum of a photon?	
	(A) CD spectroscopy(C) IR spectroscopy		(B) Fluorescence s (D) Raman spectro		
Q.14	Which one of the follo	wing statements is N	OT true?		
	(B) Addition of a large(C) A transition state a(D) In non-competitive	e amount of substrate analogue in enzyme ca	to an enzyme cannot o	he same active site of an enzy vercome uncompetitive inhib ases the rate of product formate te remains constant as the	oition
Q.15	Based on their function	n, find the ODD one o	out.		
	(A) miRNA	(B) siRNA	(C) shRNA	(D) snRNA	
Q.16	Prandtl number is the ratio of				
	 (A) thermal diffusivity to momentum diffusivity (B) mass diffusivity to momentum diffusivity (C) momentum diffusivity to thermal diffusivity (D) thermal diffusivity to mass diffusivity 				

Q.17	Fed batch cultivation is suitable for which of the following?					
	P. Processes with subs Q. Processes with pro R. High cell density c	duct inhibition				
	(A) P and Q only	(B) P and R only	(C) Q and R only	(D) P, Q and R		
Q.18	A biological process i	s involved in the	treatment of industr	rial effluent.		
	(A) primary	(B) secondary	(C) tertiary	(D) quaternary		
Q.19	In dead-end filtration,	rate of filtration is				
	(B) inversely proportion(C) inversely proportion					
Q.20	The power required for	or agitation of non-aerat	ed medium in fermentat	ion iskW.		
	Operating conditions a Fermentor diameter = Number of impellers = Mixing speed = 300 rp Diameter of the Rusht Viscosity of the broth Density of the broth = Power number = 5	3 m = 1 pm con turbine = 1 m = 0.001 Pa.s				
Q.21	Which one of the followard (viscosity $> 10^5 \text{ cP}$) fl	owing is the most suitabuids?	ole type of impeller for n	nixing high viscosity		
	(A) Propeller	(B) Helical ribbon	(C) Paddle	(D) Flat blade turbine		
Q.22	Runs scored by a bats deviation is	-	tches are 55, 75, 67, 88	and 15. The standard		
Q.23	The positive Eigen va	lue of the following ma	trix is	÷		
	$\begin{bmatrix} 2 & 1 \\ 5 & -2 \end{bmatrix}$					
Q.24	The Laplace transform	f(s) of the function $f(s)$	t) = cos (at), where a is	constant, is		
	$(A) \frac{s^2}{s^2 + a^2}$	(B) $\frac{a}{s^2 + a^2}$	$(C) \frac{s}{s^2 + a^2}$	$(D) \frac{s}{s^2 - a^2}$		

Q.25

The value of the integral $\int_{0.9}^{0.9} \frac{dx}{(1-x)(2-x)}$ is _____

Q. 26 – Q. 55 carry two marks each.

- Q.26 Which combination of the following statements is **CORRECT** for cyanobacteria?
 - P. They can perform oxygenic photosynthesis
 - Q. Usually filamentous forms are involved in nitrogen fixation
 - R. Nitrogen fixation occurs in heterocysts
 - S. They cannot grow in a mineral medium exposed to light and air
 - (A) P, Q and R
- (B) P, S and R
- (C) Q, R and S
- (D) P, Q and S
- Which set of the following events occurs during the elongation step of translation? Q.27
 - P. Attachment of mRNA with the smaller subunit of ribosome
 - O. Loading of correct aminoacyl-tRNA into the A site
 - R. Formation of a peptide bond between the amino acyl-tRNA in the A site and the peptide chain that is attached to the peptidyl-tRNA in the P site
 - S. Dissociation of the ribosomal subunits
 - T. Translocation of peptidyl-tRNA from the A site to the P site of the ribosome
 - (A) P, O and R
- (B) P, O and T
- (C) O, R and T
- (D) R, S and T
- A DNA sequence, 5'-ATGGACGTGCTTCCCAAAGCATCGGGC-3', is mutated to obtain Q.28
 - P. 5'-ATGGACGTGCTTCaCAAAGCATCGGGC-3'
 - Q. 5'-ATGGACGTGCTTCCCgAAAGCATCGGGC-3'
 - R. 5'-ATGGACGTGCTTCC-AAAGCATCGGGC-3'
 - S. 5'-ATGGACGTGCTTCCCAAtGCATCGGGC-3'
 - T. 5'-ATGGACGaGCTTCCCAAAGCATCGGGC-3'

[Point mutations are shown in the **lower case** or '-' within the sequences]

Which of the above mutant sequences **DO NOT** have frame-shift?

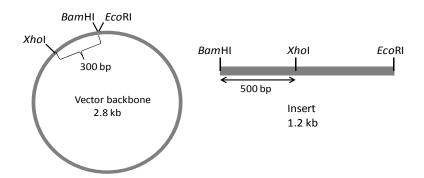
- (A) P, Q and S
- (B) P, S and T
- (C) Q, R and S
- (D) Q, S and T
- O.29 Which of the following events occur during the stationary phase of bacterial growth?
 - P. Rise in cell number stops
 - Q. Spore formation in some Gram-positive bacteria such as *Bacillus subtilis*
 - R. Cell size increases in some Gram-negative bacteria such as Escherichia coli
 - S. Growth rate of bacterial cells nearly equals their death rate
 - T. Decrease in peptidoglycan crosslinking
 - (A) P, Q and S only
- (B) P, S and T only (C) Q, R and S only (D) P, R and T only

Q.30

	DNA segment from Agrobacterium tumefacie	ciens to plant cells.		
	(A) Border repeat sequences and oncogenes(C) Opine biosynthetic genes and <i>vir</i> genes	(B) Border repeat sequences and <i>vir</i> genes(D) Opine biosynthetic genes and oncogenes		
Q.31	Match the secondary metabolites (Column-I)	with the corresponding plant species (Column-II).		
	Column-I P. Morphine Q. Pyrethrins R. Scopolamine S. Vincristine	Column-II 1. Datura stramonium 2. Catharanthus roseus 3. Papaver somniferum 4. Tagetes erecta		
	(A) P-4, Q-3, R-1, S-2 (C) P-2, Q-3, R-4, S-1	(B) P-3, Q-4, R-1, S-2 (D) P-4, Q-1, R-2, S-3		
Q.32	A variety of genetic elements are used in the (Column-I) with their corresponding source (transgenic plant research. Match the genetic elements Column-II).		
	Column-I P. Ubiquitin1 promoter Q. Nos transcriptional terminator R. bar selection marker gene S. gus reporter gene	Column-II 1. Agrobacterium tumefaciens 2. Streptomyces hygroscopicus 3. Escherichia coli 4. Zea mays		
	(A) P-2, Q-1, R-3, S-4 (C) P-3, Q-4, R-1, S-2	(B) P-2, Q-3, R-4, S-1 (D) P-4, Q-1, R-2, S-3		
Q.33	Match the type of chromosomal inheritance (trait (Column-II).	Column-I) with the corresponding genetic disease or		
	Column-I P. Autosomal recessive inheritance Q. Autosomal dominant inheritance R. X-linked inheritance S. Y-linked inheritance	Column-II 1. Huntington disease 2. Hairy ears 3. Cystic fibrosis 4. Hemophilia		
	(A) P-1, Q-4, R-3, S-2 (C) P-3, Q-1, R-4, S-2	(B) P-4, Q-3, R-2, S-1 (D) P-4, Q-2, R-3, S-1		
Q.34		pes <i>DdEeFfgg</i> and <i>ddEeFfGg</i> . Assuming that the the proportion of progeny having the genotype 6.		
Q.35	The equilibrium potential of a biological mem Na ⁺ inside the cell is 20 mM. Assuming the maconcentration outside the membrane will be _ (Faraday constant: 23062 cal.V ⁻¹ .mol ⁻¹ , Gas constant: 23062 cal.V ⁻¹ .mol ⁻¹			

Select the CORRECT combination of genetic components that are essential for the transfer of T-

Q.36 A 1.2 kb DNA fragment was cloned into *Bam*HI and *Eco*RI sites located on a 2.8 kb cloning vector. The *Bam*HI and *Eco*RI sites are adjacent to each other on the vector backbone. The vector contains an *Xho*I site located 300 bp upstream of the *Bam*HI site. An internal *Xho*I site is present in the gene sequence as shown in the figure. The resultant recombinant plasmid is digested with *Eco*RI and *Xho*I and analyzed through 1% agarose gel electrophoresis. Assuming complete digestion with *Eco*RI and *Xho*I, the DNA fragments (in base pairs) visible on the agarose gel will correspond to:



(A) 2800, 700 and 500

(B) 2800, 700 and 800

(C) 2500, 700 and 800

- (D) 2500, 1200 and 300
- Q.37 Find the **INCORRECT** combination.
 - (A) Surface immunoglobulins B cell antigen receptor
 - (B) Affinity maturation isotype switching
 - (C) Fc region of antibodies binding to complement proteins
 - (D) Spleen, the secondary lymphoid organ no connection with the lymphatic system
- Q.38 Which of the following statement(s) is/are **CORRECT** for antigen activated effector T cells?
 - P. CD4⁺ cells make contact with macrophages and stimulate their microbicidal activity
 - Q. CD4⁺ cells make contact with B cells and stimulate them to differentiate into plasma cells
 - R. CD8⁺ cells make contact with B cells and stimulate them to differentiate into plasma cells
 - S. CD8⁺ cells make contact with virus infected cells and kill them
 - (A) Q only
- (B) Q and S only
- (C) P, Q and S only
- (D) P, Q, R and S
- Q.39 Which one of the following statements regarding G proteins is **INCORRECT**?
 - (A) GDP is bound to G protein in the resting stage
 - (B) GTP bound α subunit cannot reassemble with $\beta \gamma$ dimer
 - (C) All G proteins are trimeric
 - (D) Activation of G protein may result in activation or inhibition of the target enzymes

- Q.40 In animal cell culture, a CO₂ enriched atmosphere in the incubator chamber is used to maintain the culture pH between 6.9 and 7.4. Which one of the following statements is **CORRECT**?
 - (A) Higher the bicarbonate concentration in the medium, higher should be the requirement of gaseous CO₂
 - (B) Lower the bicarbonate concentration in the medium, higher should be the requirement of gaseous CO₂
 - (C) Higher the bicarbonate concentration in the medium, lower should be the requirement of gaseous CO₂
 - (D) CO₂ requirement is independent of bicarbonate concentration in the medium
- Q.41 Choose the **CORRECT** combination of True (T) and False (F) statements about microcarriers used in animal cell culture.
 - P. Higher cell densities can be achieved using microcarriers
 - Q. Microcarriers increase the surface area for cell growth
 - R. Microcarriers are used for both anchorage- and nonanchorage-dependent cells
 - S. Absence of surface charge on microcarriers enhances attachment of cells
 - (A) P-T, Q-F, R-T and S-F

(B) P-T, Q-T, R-F and S-F

(C) P-F, Q-F, R-T and S-T

- (D) P-F, Q-T, R-F and S-T
- Q.42 In an assay of the type II dehydroquinase of molecular mass 18 kDa, it is found that the V_{max} of the enzyme is 0.0134 μ mol.min⁻¹ when 1.8 μ g enzyme is added to the assay mixture. If the K_m for the substrate is 25 μ M, the k_{cat}/K_m ratio will be ______×10⁴ M⁻¹.s⁻¹.
- Q.43 The molar extinction coefficients of Trp and Tyr at 280 nm are 5690 and 1280 M⁻¹.cm⁻¹, respectively. The polypeptide chain of yeast alcohol dehydrogenase (37 kDa) contains 5 Trp and 14 Tyr residues. The absorbance at 280 nm of a 0.32 mg.mL⁻¹ solution of yeast alcohol dehydrogenase measured in a cuvette of 1 cm pathlength will be

(Assume that the molar extinction coefficient values for Trp and Tyr apply to these amino acids in the yeast alcohol dehydrogenase).

Q.44 The activity of lactate dehydrogenase can be measured by monitoring the following reaction:

- Q.45 Analysis of a hexapeptide using enzymatic cleavage reveals the following result:
 - Amino acid composition of the peptide is: 2R, A,V, S, Y
 - Trypsin digestion yields two fragments and the compositions are: (R, A, V) and (R, S, Y)
 - Chymotrypsin digestion yields two fragments and the compositions are: (A, R, V, Y) and
 - Digestion with carboxypeptidase A yields no cleavage product.

Given: Trypsin cleaves at carboxyl side of R.

Chymotrypsin cleaves at carboxyl side of Y.

Carboxypeptidase A cleaves at amino side of the C-terminal amino acid (except R and K) of the peptide.

The correct amino acid sequence of the peptide is:

- (A) RSYRVA
- (B) AVRYSR
- (C) SRYVAR
- (D) SVRRYA
- Q.46 The empirical formula for biomass of an unknown organism is $CH_{1.8}O_{0.5}N_{0.2}$. To grow this organism, ethanol (C₂H₅OH) and ammonia are used as carbon and nitrogen sources, respectively. Assume no product formation other than biomass. To produce 1 mole of biomass from 1 mole of ethanol, the number of moles of oxygen required will be
- Saccharomyces cerevisiae is cultured in a chemostat (continuous fermentation) at a dilution rate of Q.47 0.5 h⁻¹. The feed substrate concentration is 10 g.L⁻¹. The biomass concentration in the chemostat at steady state will be g.L⁻¹.

Assumptions: Feed is sterile, maintenance is negligible and maximum biomass yield with respect to substrate is 0.4 (g biomass per g ethanol).

Microbial growth kinetics is given by $\mu = \frac{\mu_m s}{K_s + s}$

where μ is specific growth rate (h⁻¹), $\mu_m = 0.7 \text{ h}^{-1}$, $K_s = 0.3 \text{ g.L}^{-1}$ and s is substrate concentration $(g.L^{-1}).$

- Decimal reduction time of bacterial spores is 23 min at 121 °C and the death kinetics follow first Q.48 order. One liter medium containing 10⁵ spores per mL was sterilized for 10 min at 121 °C in a batch sterilizer. The number of spores in the medium after sterilization (assuming destruction of spores in heating and cooling period is negligible) will be $\times 10^7$.
- Q.49 A bioreactor is scaled up based on equal impeller tip speed. Consider the following parameters for small and large bioreactors:

Parameters	Small bioreactor	Large bioreactor
Impeller speed	N_1	N_2
Diameter of impeller	D_1	D_2
Power consumption	\mathbf{P}_1	P_2

Assuming geometrical similarity and the bioreactors are operated in turbulent regime, what will be P_{2}/P_{1} ?

- $(A) (D_1/D_2)^2$

- (B) $(D_2/D_1)^2$ (C) $(D_1/D_2)^5$ (D) $(D_2/D_1)^5$

Q.50 An enzyme converts substrate A to product B. At a given liquid feed stream of flow rate 25 L.min⁻¹ and feed substrate concentration of 2 mol.L⁻¹, the volume of continuous stirred tank reactor needed for 95% conversion will be ______ L.

Given the rate equation:
$$-r_A = \frac{0.1C_A}{1 + 0.5C_A}$$

where $-r_A$ is the rate of reaction in mol.L⁻¹.min⁻¹ and C_A is the substrate concentration in mol.L⁻¹. *Assumptions*: Enzyme concentration is contant and does not undergo any deactivation during the reaction.

Q.51 A protein is to be purified using ion-exchange column chromatography. The relationship between HETP (Height Equivalent to Theoretical Plate) and the linear liquid velocity of mobile phase is given by:

$$H = \frac{A}{u} + Bu + C$$

where H is HETP (m) and u is linear liquid velocity of mobile phase (m.s⁻¹). The values of A, B and C are 3×10^{-8} m².s⁻¹, 3 s and 6×10^{-5} m, respectively. The number of theoretical plates based on **minimum** HETP for a column of 66 cm length will be ______.

- Q.52 An enzyme is immobilized on the surface of a **non-porous** spherical particle of 2 mm diameter. The immobilized enzyme is suspended in a solution having bulk substrate concentration of 10 mM. The enzyme follows first order kinetics with rate constant 10 s⁻¹ and the external mass transfer coefficient is 1 cm.s⁻¹. Assume steady state condition wherein rate of enzyme reaction (mmol.L⁻¹.s⁻¹) at the surface is equal to mass transfer rate (mmol.L⁻¹.s⁻¹). The substrate concentration at the surface of the immobilized particle will be _____ mM.
- Q.53 $\frac{d^2y}{dx^2} y = 0$. The initial conditions for this second order homogeneous differential equation are y(0) = 1 and $\frac{dy}{dx} = 3$ at x = 0

Q.54 The value of determinant A given below is .

The value of y when x = 2 is _____.

$$A = \begin{pmatrix} 5 & 16 & 81 \\ 0 & 2 & 2 \\ 0 & 0 & 16 \end{pmatrix}$$

Q.55 Consider the equation

$$V = \frac{aS}{b + S + \frac{S^2}{c}}$$

Given a = 4, b = 1 and c = 9, the **positive** value of S at which V is maximum, will be _____.

END OF THE QUESTION PAPER

Q. No	Туре	Section	Key	Marks
1	MCQ	GA	В	1
2	MCQ	GA	Α	1
3	MCQ	GA	D	1
4	MCQ	GA	С	1
5	MCQ	GA	В	1
6	MCQ	GA	С	2
7	MCQ	GA	С	2
8	MCQ	GA	С	2
9	MCQ	GA	Α	2
10	MCQ	GA	С	2
1	MCQ	ВТ	С	1
2	MCQ	ВТ	D	1
3	MCQ	ВТ	D	1
4	MCQ	ВТ	В	1
5	MCQ	BT	D	1
6	MCQ	BT	D	1
7	MCQ	BT	В	1
8	MCQ	BT	D	1
9	MCQ	BT	В	1
10	MCQ	BT	D	1
11	MCQ	BT	В	1
12	MCQ	BT	D	1
13	MCQ	BT		1
14	MCQ	BT	A;D C	1
15	MCQ	BT	D	1
16	MCQ	BT	С	1
17	MCQ	BT	В	1
18	MCQ	BT	В	1
19	MCQ	BT	C	1
20	NAT	BT	625.0 : 625.0	1
21	MCQ	BT	В	1
22	NAT	BT	24.5 : 28.5	1
23	NAT	BT	3.0 : 3.0	1
24	MCQ	BT	C	1
25	NAT	BT	1.65 : 1.75	1
26	MCQ	BT	A	2
27	MCQ	ВТ	С	2
28	MCQ	BT	В	2
29	MCQ	BT	Α	2
30	MCQ	BT	В	2
31	MCQ	BT	В	2
32	MCQ	ВТ	D	2
33	MCQ	BT	С	2
34	NAT	ВТ	1.3 : 1.8	2
35	NAT	BT	147.0 : 170.0	2
36	MCQ	BT	С	2
37	MCQ	ВТ	B; D	2
38	MCQ	ВТ	С	2
39	MCQ	ВТ	С	2

40	MCQ	ВТ	Α	2
41	MCQ	ВТ	В	2
42	NAT	ВТ	8.6 : 9.4	2
43	NAT	ВТ	0.37 : 0.43	2
44	NAT	ВТ	525.0 : 555.0	2
45	MCQ	ВТ	В	2
46	NAT	ВТ	1.9 : 2.0	2
47	NAT	ВТ	3.65 : 3.75	2
48	NAT	ВТ	3.6 : 3.8	2
49	MCQ	ВТ	В	2
50	NAT	ВТ	4986 : 4989	2
51	NAT	ВТ	1000.0 : 1000.0	2
52	NAT	ВТ	7.5 : 7.5	2
53	NAT	ВТ	14.55 : 14.75	2
54	NAT	ВТ	160.0 : 160.0	2
55	NAT	ВТ	3.0:3.0	2