Physics

Single Correct Questions +3 | -1.00

- 1. Pressure P varies as $P=\frac{\alpha}{\beta}\exp\left(\frac{-\alpha}{K_B\theta}Z\right)$ where Z denotes distance, K_B Boltzman's constant, θ absolute temperature and α,β are constants. Derive the dimensions of β
 - (A) $[M^{-1}LT^{-2}]$
- (B) $[M^0L^0T^0]$
- (C) $[M^0L^2T^0]$
- (D) $[M^0L^{-1}T^{-2}]$
- 2. The length, breadth and thickness of a block are given by $l=12\mathrm{cm},\,b=6\mathrm{cm}$ and $t=2.45\mathrm{cm}$. The volume of the block according to the idea of significant digits should be :
 - (A) $1 \times 10^2 \text{cm}^3$

(B) $2 \times 10^2 \text{cm}^3$

(C) $1.764 \times 10^2 \text{cm}^3$

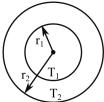
- (D) None of these
- 3. In the following common emitter configuration a npn transistor with current gain $\beta=100$ is used. The output voltage of the amplifier will be:



- (A) 10 mV
- (B) 0.1 mV
- (C) 1.0 V
- (D) 10 V

- 4. The area of the B -H hysteresis loop is an indication of:
 - (A) the permeability of the medium
 - (B) the susceptibility of the substance
 - (C) the retentivity of the material
 - (D) the energy dissipated per cycle
- 5. The ends of a stretched wire of length L are fixed at x = 0 and X = L. In one experiment, the displacement of the wire is $y_1 = A \sin(\pi x/L) \sin \omega t$ and energy is E_1 and in another experiment its displacement is $y_2 = A \sin(2\pi x/L) \sin 2 \omega t$ and energy is E_2 . Then
 - (A) $E_2 = E_1$
- (B) $E_2 = 2E_1$
- (C) $E_2 = 4E_1$
- (D) $E_2 = 16E_1$

6. The figure shows a system of two thin concentric spherical shells of radii r_1 and r_2 and kept at temperature T_1 and T_2 respectively. The radial rate of flow of heat in a substance between the two concentric spheres is proportional to



- (D) $\ln(r_2 r_1)$
- 7. In a series L - C - R circuit the frequencies f_1 and f_2 at which the current amplitude falls to $\sqrt{2}$ of the current at resonance, are separated by an interval equal to:
 - (A) $\frac{R}{2\pi L}$
- (C) $\frac{R}{I}$
- (D) $\frac{L}{R}$
- 8. The binding energies of the atoms of elements A and B are E_a and E_b respectively. Three atoms of the element B fuse to give one atom of element A. This fusion process is accompanied by release of energy e. Then E_a , E_b and e are related to each other as:
 - (A) $E_a + e = 3E_b$

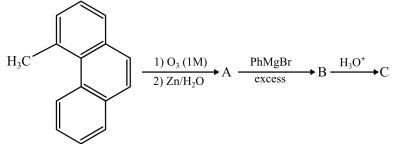
- (B) $E_a = 3E_b$ (C) $E_a e = 3E_b$ (D) $E_a + 3E_b + e = 0$
- A stepdown transformer of transformation ratio 3 has an efficiency of 80%. The input power of 360 W is at a voltage of 9. 120 V. The input current is:
 - (A) 3 A
- (B) 0.33 A
- (C) 2.4 A
- (D) 0.24 A
- The wave length of K_{lpha} lines given by molybdenum (Atomic no. 42) is 0.7 $\stackrel{o}{A}$. Then the wave length of K_{lpha} for zinc 10. (Atomic no. 30) will be:
 - (A) 1.4 A
- (B) $1.0 \stackrel{o}{A}$
- (C) $0.7 \stackrel{o}{A}$ (D) $0.35 \stackrel{o}{A}$
- A Galilean's telescope has an objective of focal length 100 cm and magnifying power 50. The distance between the 11. two lenses in normal adjustment will be
 - (A) 96 cm
- (B) 98 cm
- (C) 102 cm
- (D) 104 cm
- 12. Three polaroids are parallel to each other and the angle between transmission axes of successive plates is 45°. The fraction of incident light intensity transmitted through all the three polaroids is

(D) $\frac{1}{8}$

13.		$\stackrel{\circ}{A}$ is incident normally on a th of the slit is 0.15 cm, then		rms a diffraction pattern on a screen imum is :
	(A) 18.3 cm	(B) 1.83 cm	(C) 0.183 cm	(D) 0.0183 cm
14.				n in water. If the weight in air is recentage error in relative density is
	(A) 1	(B) 2	(C) 3	(D) 5
15.	-	2a.2		eed \emph{v} . It then rolls up a hill without
	slipping to a maximum he	$h=rac{3v}{4g}$. What is the mo		
	(A) $mR^2/2$	(B) mR^2	(C) $\frac{2}{3}mR^2$	(D) $rac{2}{5}mR^2$
16.		concentric spherical shells between the two spheres wi		with a medium of resistivity $ ho$. The
	(A) $\frac{\rho}{4\pi} \left(\frac{1}{a} + \frac{1}{b} \right)$	(B) $\frac{\rho}{4\pi} \left(\frac{1}{a} - \frac{1}{b} \right)$	(C) $\frac{\rho}{4\pi} \frac{ab}{(a+b)}$	(D) $\frac{\rho}{4\pi} \frac{ab}{(a-b)}$
17.	The displacement of a	particle executing periodic	motion is given by, $y=$	$8\sin^2\left(\frac{t}{2}\right)\sin(500t)$. How many
	component simple harmo			(2)
	(A) 3	(B) 4	(C) 5	(D) 6
18.	S_1 and S_2 are two sound velocity, with which an obsound = 332 m/s)	sources of frequencies 320	Hz and 324 Hz respectively ne $S_1 S_2$, so that he may hea	placed at a large distance apart.The ar no beats will be nearly (velocity of
	(A) 1 m/s	(B) 2 m/s	(C) 3 m/s	(D) 4 m/s
19.	A swimmer crosses a flow the same distance up and water, then	wing stream of width ω to ard down the stream is t_2 . If t_3	nd fro along the shortest pat is the time the swimmer wou	h in time t_1 . The time taken to cover all take to swim a distance 2ω in still
	(A) $t_1^2 = t_2 t_3$	(B) $t_2^2 = t_1 t_3$	(C) $t_3^2 = t_1 \ t_2$	(D) $t_3 = t_1 + t_2$
20.				density σ and coefficient of viscosity heat when the sphere has acquired
	(A) $\left[\frac{8\pi g}{27\eta}(\rho-\sigma)^2\right]r^5$	(B) $\left[\frac{8\pi g^2}{27\eta}(\rho-\sigma)^2\right]r^5$	(C) $\left[rac{8\pi g^2}{27\eta} (ho - \sigma) ight] r^5$	(D) $\left[rac{8\pi g^2}{27\eta^2}(ho-\sigma) ight]r^5$
		Space for	or rough use	

Chemistry

21.



Number of chiral carbons present in compound C is

(A) 2

(B) 1

(C) 0

(D) 3

- Hydrolysis of XeF_4 and CaNCN gives respectively: 22.
 - (A) XeO_3 and $CaCO_3$

(B) XeO_2 and $CaCN_2$

(C) $XeOF_3$ and $CaCN_2$

- (D) $XeOF_2$ and $CaCO_3$
- A white solid which reacts with conc HCl to give a colourless gas that decolorises aqueous bromine solution. The 23. solid is most likely to be:
 - (A) Na_2CO_3
- (B) CH_3COONa
- (C) NaCl
- (D) $Na_2S_2O_3$

Identify A and B as per the following reactions: $Hypo+I_2 \longrightarrow A \\ Hypo+Cl_{2(aq)} \longrightarrow B$ 24.

$$\begin{array}{c} Hypo + I_2 \longrightarrow A \\ Hypo + Cl_{2(aq)} \longrightarrow B \\ \text{(excess)} \end{array}$$

(A) $A \equiv Na_2S_4O_6$, $B \equiv Na_2SO_4$

(B) $A \equiv Na_2S_4O_6$, $B \equiv NaHSO_4$

(C) A and B both are $Na_2S_4O_6$

(D) A and B both are Na_2SO_4

HO COOH
$$CH_3$$
—OH H_2 SO₄ A H_2 Ph-C-Cl (1M) aq. NaHCO₃ B H_2 | 1) Cold aq. NaOH 2) Et – I

C is

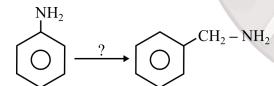
(C)
$$CH_3O$$
 CH_3O
 CH_3O
 CH_3O
 CH_3O
 CH_3O
 CH_3O
 CH_3O

(B)
$$C-O-CH_3$$
 $NH-C-Ph$ O

26. Match the list - I (process) with List - II (ores) and find the correct option:

	Tatori are not in (process) that give in (cros) and mid are contest option					
	List - I		List - II			
1.	Smelting	P.	Copper glance			
2.	Self Reduction	Q.	Malachite			
3.	Electrolytic Reduction	R.	Haematite			
4.	Hydrometallurgy	S.	Bauxite			

27.



Correct set of reagents for above conversion is/are?

- (A) (i) $CHCl_3$, aq.KOH (ii) LAH (iii) H_2O/H^+
- (B) (i) dil HNO_2 , $0^{\circ}C$ (ii) CuCN/HCN (iii) LAH; H_2O
- (C) (i) dil HNO_2 , $0^{\circ}C$ (ii) $CH_3 NH_2/\text{Base}$
- (D) $(i) CH_3 Cl, Py (ii) \operatorname{dil} HNO_2 (iii) H_2/Pd C$

28. Which of the following statement is true for the above sequence of reactions? (A) Z is H_2 (B) X is B_2H_6 (D) $Y \text{ is } BF_3 \& Z \text{ is } H_2$ (C) $Z \text{ is } F_2 \& Y \text{ is } B_2H_6$ 29. 1 mol of N₂ and 4 mol of H₂ are allowed to react in a vessel and after reaction H₂O is added aqueous solution required 1 mole of HCl. Mole fraction of H₂ in the gaseous mixture after reaction is (A) $\frac{1}{2}$ (C) $\frac{1}{3}$ (D) None of these 30. Mole fraction of water vapour in the water saturated air is 0.02, if total pressure is 1.2 atm, partial pressure of dry air is (A) 1.18 atm (B) 1.22 atm (C) 1.176 atm (D) 1.224 atm Cumene $\xrightarrow[h\nu]{O_2} \xrightarrow[h\nu]{H^+} A + B$ 31. A and B can be distinguished by (ii) 2,4-DNP (i) Neutral FeCl₃ (iii) Br₂/H₂O (iv) aq NaHCO₃ (v) I₂ / aq NaOH (A) i, iii and v only (B) i, ii, iv and v only (D) All of these (C) i, ii, iii and v only 32. For the reaction $2NO + Br_2 \longrightarrow 2NOBr$ the following mechanism has been given. $NO + Br_2 \overset{\text{Fast}}{\rightleftharpoons} NOBr_2 \\ NOBr_2 + NO \overset{\text{Slow}}{\longrightarrow} 2NOBr \\ \text{Hence, rate law is}$ (A) $K[NO]^2[Br_2]$ (B) $K[NO][Br_2]$ (C) $K[NOBr_2][NO$ 33. Which of the following can show Geometrical isomerism? (I) Decalin (II) Mesitylene (IV) 1,4-dichlorocyclohexane (III) Stilbene (A) I and IV only (B) II and IV only (C) II, III and IV (D) I, III and IV 34. Depression of freezing point of 0.01 molal aq. CH₃COOH solution is 0.02046^o C. 1 molal urea solution freezes at -1.86°C. Assuming molality equal to molarity pH of CH₃COOH solution is

(A) 2

(B) 3

(C) 3.2

(D) 4.2

 $2SO_2+O_2 \rightleftharpoons 2SO_3$ starting with 2 mol ${\rm SO_2}$ and 1 mol ${\rm O_2}$ in 1 L flask mixture required 0.4 mol MnO_4^- in acidic 35. medium. Hence K_C is

(A) 2

(B) 0.4

(C) 1.6

(D) 2.6

- 36. A quantity of 0.5 mol of an ideal gas at 20°C expands isothermally against a constant pressure of 2.0 atm from 1L to 5L. Entropy change of surroundings?
 - (A) $3.6 J K^{-1}$
- (B) $-2.8 J K^{-1}$
- (C) $-3.9 J K^{-1}$
- (D) $+2.8 J K^{-1}$
- 37. A solution is a mixture of 0.05 M NaCl and 0.05 M Nal. The concentration of iodide ion in the solution when AgCl just starts precipitating is equal to $(K_{sp}\ AgCl=10^{-10}\ M^2, K_{sp}\ AgI=4\times 10^{-16}\ M^2)$
 - (A) $4 \times 10^{-6} M$
- (B) $2 \times 10^{-8} M$
- (C) $2 \times 10^{-7} M$
- (D) $8 \times 10^{-5} M$
- 38. $K_4[Fe(CN)_6]$ complex is used for the identification of which radicals?
 - (A) Fe^{+2} , Fe^{+3} and Cu^{+2} ions.

(B) Fe^{+3} , Cu^{+2} and Zn^{+2} ions.

(C) Fe^{+3} , Ni^{+2} and Zn^{+2} ions.

- (D) Fe^{+2} , Fe^{+3} and Ni^{+2} ions.
- 39. Amount of gas adsorbed per gram of absorbent increases with pressure, but after certain limit is reached, adsorption becomes constant. It is where
 - (A) Multilayers are formed

(B) Desorption takes place

(C) Temperature is increased

- (D) Absorption also starts
- - (A) O Br

(B) O Br

(C) Br

(D) O Br

Mathematics

- The positive value of x for which the fourth term in the expansion of $(5+3x)^{10}$ is the greatest, is
 - (A) x > 5
- (B) 2 < x < 5
- (C) x = 7
- (D) $\frac{5}{8} < x < \frac{20}{21}$
- 42. The total number of dissimilar terms in the expansion of $(x_1 + x_2 + x_3)^n$ are 66, then the value of n is
 - (A) 5

(B) 10

(C) 12

(D) 15

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43.	If z_1, z_2, z_3 are three com	plex numbers such that $4z_1$	$-7z_2 + 3z_3 = 0$, Then z_1	$1, z_2, z_3$ are.
	(A) Vertices of a scalene	e triangle	(B) Vertices of a right	triangle
	(C) Points on a circle		(D) Collinear points	
44.	$ f z = 1 \text{ and } z \neq \pm 1,$	then all the value of $\dfrac{z}{1-z^2}$ lie	e on	
	(A) ellipse	(B) circle	(C) the x - axis	(D) the y - axis
45.	The value of $\lim_{x\to 0} \left[\frac{\mathrm{k} \sin}{x} \right]$	$\left[\frac{x}{x}\right]$, where [.] denotes the	G.I.F and $k = \min (y^2 - 4y)$	$(y+11)$ for every $y \epsilon R,$ is.
	(A) 0	(B) 6	(C) 7	(D) does not exist
46.	(A) $x^2 + y^2 + 4x + 6y$		$= 13 \text{ of the circle } x^2 + y^2 =$ $\text{(B)} x^2 + y^2 - 4x + y^2 =$	
	(C) $x^2 + y^2 - 4x - 6y$	+13=0	(D) None of these	
47.	The number of different atleast 2 books is	way in which 8 different boo	ks can be distributed among	g 3 students, if each student receives
	(A) 2640	(B) 2680	(C) 2480	(D) 2940
48.	If $x^2 + 2x + 5 = 0$ and is	$ax^2 + bx + c = 0$ have a co	mmon root and $a,b,c \; \epsilon \; N,$ (then the minimum value of $a+b+c$
	(A) 5	(B) 7	(C) 8	(D) 9
49.	If t_r denotes r^{th} term of	of a H.P for which $t_m=n$ $ { m a}$	$\text{nd} \ \ t_n = m \ \text{then} \ t_{m+n} \ \text{is e}$	qual to
	(A) $\frac{1}{t_m} + \frac{1}{t_n}$	(B) $t_m + t_n$	(C) $\frac{t_m \ t_n}{t_m + t_n}$	(D) $\frac{n}{t_m} + \frac{m}{t_n}$
50.	The number of solution of	of the equation $\cos(\pi\sqrt{x-4})$	$\cos(\pi\sqrt{x}) = 1$ is	
	(A) 0	(B) 1	(C) 2	(D) More than 2
51.	The equation $\sin\left(\frac{\pi x}{2\sqrt{3}}\right)$	$= x^2 - 2\sqrt{3}x + 4 \text{ has}$	ACA	

(A) no solution (B) only 1 solution

(C) 2 solutions

(D) more solutions

2

52. In a $\triangle ABC$, the value of $\sin A \sin B \sin C$ is.

$$(\mathsf{A}) \, \geq \frac{3\sqrt{3}}{8}$$

(B)
$$\leq \frac{3\sqrt{3}}{8}$$

$$(\mathsf{C}) \geq \frac{\sqrt{3}}{8}$$

(D)
$$\leq \frac{\sqrt{3}}{8}$$

If the normal to the curve y=f(x) at x=0 is given by the equation 3x-y+3=0, then the value of $\lim_{x\to 0} x^2 \left\{f(x^2)-5f(4x^2)+4f(7x^2)\right\}^{-1}$ is. 53.

(A)
$$-1/5$$

(B)
$$-1/4$$

(C)
$$-1/3$$

(D)
$$-1/2$$

The function $f(x) = \cos(\pi/x)$ is increasing in the interval. 54.

(A)
$$(2n-1,2n), n \in N$$

(B)
$$(2n, 2n + 1), n \in N$$

(C)
$$\left(\frac{1}{2n+2}, \frac{1}{2n+1}\right)$$
, $n \in \mathbb{N}$

(D)
$$\left(\frac{1}{2n+1}, \frac{1}{2n}\right)$$
, $n \in N$

If $f'(x) = |x| - \{x\}$, where $\{x\}$, denotes the fractional part x, then f(x) is decreasing in. 55.

(A)
$$\left(-\frac{1}{2}, 0\right)$$

(A)
$$\left(-\frac{1}{2},0\right)$$
 (B) $\left(-\frac{1}{2},2\right)$ (C) $\left(-\frac{1}{2},2\right]$

(C)
$$\left(-\frac{1}{2},2\right)$$

(D)
$$\left(\frac{1}{2},\infty\right)$$

The longest distance of the point (a,0) from the curve $2x^2 + y^2 - 2x = 0$, is given by 56.

(A)
$$\sqrt{1-2a-a^2}$$

(B)
$$\sqrt{1+2a+2a^2}$$

(B)
$$\sqrt{1+2a+2a^2}$$
 (C) $\sqrt{1+2a+a^2}$

(D)
$$\sqrt{1-2a+2a^2}$$

Area bounded by the curve $y=\frac{\ell n \ x-c}{x}$,the x - axis and the vertical line through the maximum point of the curve is 57.

(A)
$$c^2$$
 sq unit

(B)
$$c^{3/2}$$
 sq unit

(B)
$$c^{3/2}$$
 sq unit (C) $c+5$ sq unit

(D) independent of
$$c$$

If PQ is the double ordinate of the hyperbola $\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$ such that OPQ is an equilateral triangle, O being the center 58. of the hyperbola, then the eccentricity of the hyperbola satisfies.

(A)
$$1 < e < \frac{2}{\sqrt{3}}$$

(B)
$$e = \frac{\sqrt{3}}{2}$$

(C)
$$e = \frac{2}{\sqrt{3}}$$
 (D) $e > \frac{2}{\sqrt{3}}$

(D)
$$e > \frac{2}{\sqrt{3}}$$

If [.] stand for greatest integer function, then number of integers where $f(x) = [x^3] - [x]^3$ is continuous is / are 59.

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	(A) $1 + x \ln x < x < 1 + \ln x$ (C) $x < 1 + x \ln x < 1 + \ln x$		(B) $1 + \ln x < x < 1 + x \ln x$ (D) $1 + \ln x < 1 + x \ln x < x$					
			Biology					
61.	How many NAD molect	ules get reduced in comple	te oxidation of one glucose mole	ecule ?				
	(A) 2	(B) 5	(C) 10	(D) 12				
62.	How many interlocking	How many interlocking rings are present in a steroid molecule ?						
	(A) 1	(B) 2	(C) 3	(D) 4				
63.	Multicostate convergen	Multicostate convergent reticulate venation is seen in leaf.						
	(A) Zizyphus	(B) Bamboo	(C) Castor	(D) Mango				
64.	I . Endosperm is genera II. All angiosperms shou III. Embryo sac is alway	ment from the following. ally (3n) in Angiosperms. w indirect pollination and si s monosporic and endosp aracterised by double fertil	oric.					
	(A) I, II, III	(B) II , III , IV	(C) I, II, IV	(D) I, II, III, IV				
65.	In plant cell the diffusion pressure deficit is zero when it is							
	(A) Plasmolysed	(B) Turgid	(C) Flaccid	(D) Inciplent				
66.	Appearance of recessive - trait in F_2 generation prove which law of mendel ?							
	(A) Law of dominance		(B) Law of segregation	on				
	(C) Law of independen	t assortment	(D) Both (B) & (C)					
67.	During seed germination	n, its stored food is mobilis	sed by					
	(A) Ethylene	(B) Cytokinins	(C) ABA	(D) Gibberellins.				
68.	Which of following is not used for ex situ plant conservation?							
	(A) Field gene bank	(B) Seed bank	(C) Shifting cultivation	(D) Botanical garden				
69.	DNA fragments general (A) Centrifugation (C) Polymerase chain	·	nucleases in a chemical reaction (B) Electrophoresis (D) Blotting	a can be separated by _				
70.	Advantage of cleistogal (A) Higher genetic vari	•	(B) More vigorous off	fspring				

Space for rough use

(D) Vivipary

(C) No dependence on pollinators

60.

Which of the following is true for x>1 ?

<i>/</i> 1.	Cel	I body of the neuron is	called					
	(A)	Nissl's granules	(B) Neurolemma	(C) OI	igodendrocyte	(D) Perikaryon		
72.	Exc	cretory organs of cockro	pach are					
	(A)	Flame cells		(B)	Green glands			
	(C)	Malpighian corpuscles	;	(D)	Malpighian tubules			
73.	НС	I present in gastric juice	e changes					
	(A)	Trypsinogen to trypsin		(B)	Pepsinogen to peps	sin		
	(C)	Chymotrypsinogen to	chymotrypsin	(D)	All of these			
74.	The	e greatest quantity of air	r that can be expired after a r	maximur	n inspiratory effort is	its		
	(A)	Residual volume		(B)	Vital capacity			
	(C)	Inspiratory reserve vol	ume	(D)	Tidal volume			
75.	Trabeculae carnae are							
	(A)	A) Chord like structures attaching atrioventricular valves to walls of ventricles to prevent opening back of valves						
	(B)	B) Irregular muscular ridges into which the inner surface of the ventricles is thrown into.						
	(C)	(C) Connection between pulmonary artery and aorta						
	(D)	None of the above						
76.	Filtr	ration slits are present o	on					
	(A)	Blood capillaries of g	lomerulus					
	(B)	Podocytes' pedicels						
	(C)	Epithelial cells of pari	ietal layer of Bowman's caps	ule				
	(D)	None of the above						
77.		osin filaments are thick n a short arm called :	and are made up of small u	ınits call	ed meromyosin. Eac	ch meromyosin has a globular head		
	(A)	Heavy meromyosin		(B)	Light meromyosin			
	(C)	Both (A) & (B)		(D)	None of these			

78. Find out the correct match between the following table:

	Column - I	Column - II	Column - III	
(A)	Corpus luteum	Prodesterone	Maintenance of endometrium	

	Column - I	Column - II	Column - II
(B)	Pineal gland	Vasopressin	Intracellular transport

	Column - I	Column - II	Column - III
(C)	Pars distalis	Coherin	Induces contraction of stomach

	Column - I	Column - II	Column - III
(D)	Pars nervosa	Growth hormone	Retards growth - mentally and physically

- 79. Receptors which are present in the visceral organs and their function is detection of hunger, thirst, pain, pH, temperature, osmotic changes, etc. are called
 - (A) Proprioreceptors
- (B) Photoreceptors
- (C) Enteroreceptors
- (D) Baroreceptors

- 80. Which of the following statement is true
 - (A) Frohlich dwarfs are mentally abnormal
 - (C) Thymosin is a steroid hormone.

- (B) Lorain dwarfs are mentally abnormal.
- (D) Cortisol causes lipogenesis & Glycogenolysis.

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ANSWERKEY

1.	D	2.	В	3.	С	4.	D
5.	C	6.	C	7.	A	8.	C
9.	A	10.	A	11.	В	12.	D
13.	C	14.	D	15.	A	16.	В
17.	A	18.	В	19.	A	20.	В
21.	A	22.	A	23.	D	24.	В
25.	В	26.	A	27.	В	28.	C
29.	В	30.	C	31.	С	32.	Α
33.	D	34.	В	35.	A	36.	В
37.	C	38.	В	39.	A	40.	Α
41.	D	42.	В	43.	D	44.	D
45.	В	46.	D	47.	D	48.	C
49.	C	50.	A	51.	В	52.	В
53.	C	54.	D	55.	A	56.	D
57.	D	58.	D	59.	A	60.	В
61.	С	62.	D	63.	Α	64.	C
65.	В	66.	В	67.	D	68.	C
69.	В	70.	С	71.	D	72.	D
73.	В	74.	В	75.	В	76.	В
77.	A	78.	A	79.	C	80.	Α