A Complete Solution For Engineering/Medical Entrance Examinations

MH-CET-2015 Subjects: Physics, Chemistry & Biology

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Question Booklet Version

11

(Write this number on your Answer Sheet)

MH-CET-2015 Roll No.							
	Answer Sheet No.						

Question Booklet Sr. No.

(Write this number on your Answer Sheet)

Day and Date: Thursday, 07th May, 2015

Duration: 3.00 Hours Total Marks: 200

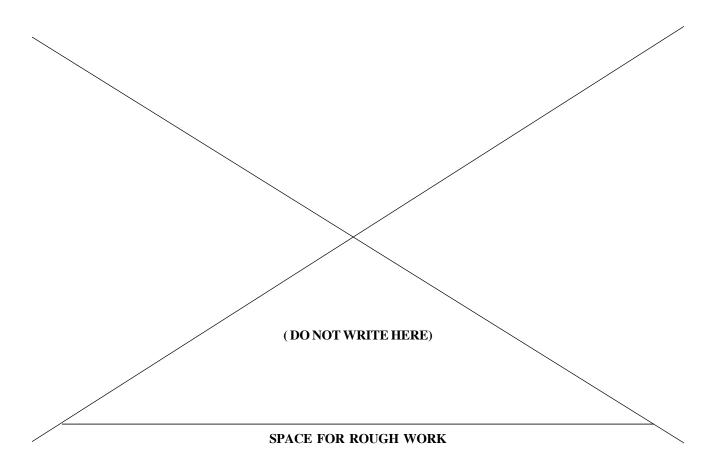
This is to certify that, the entries of MH-CET Roll No. and Answer Sheet No. have been correctly written and verified.

Candidate's Signature

Invigilator's Signature

Instructions to Candidates

- 1. This question booklet contains 200 Objective Type Questions (Multiple Choice Questions (MCQ)) in the subjects of Physics (50), Chemistry (50) and Biology (100).
- 2. The question paper and OMR (Optical Mark Reader) Answer Sheet is issued separately at the start of the examination.
- 3. Choice and sequence for attempting questions will be as per the convenience of the candidate.
- 4. Candidate should carefully read the instructions printed on the Question Booklet and Answer Sheet and make the correct entries on the Answer Sheet. As Answer Sheets are designed to suit the OPTICAL MARK READER (OMR) SYSTEM, special care should be taken to mark the entries correctly. Special care should be taken to fill QUESTION BOOKLET VERSION, SERIAL No. and MH-CET Roll No. accurately. The correctness of entries has to be cross-checked by the invigilators. The candidate must sign on the Answer Sheet and Question Booklet.
- 5. Read each question carefully.
- 6. Determine the one correct answer from out of the four available options given for each question.
- 7. Fill the appropriate circle completely like this ●, for answering a particular question. Mark with Black ink ball point pen only.
- 8. Each question with correct response shall be awarded one (1) mark. There shall be no negative marking. No mark shall be granted for marking two or more answers of same question, scratching or overwriting.
- 9. Use of whitener or any other material to erase/hide the circle once filled is not permitted.
- 10. Avoid overwriting and/or striking of answers once marked.
- 11. Rough work should be done only on the blank space provided on the Question Booklet. **Rough work should** not be done on the Answer Sheet.
- 12. The required mathematical tables (Log etc.) is provided along with the question booklet.
- 13. Immediately after the prescribed examination time is over, the Question Booklet and Answer sheet is to be returned to the Invigilator. Confirm that both the Candidate and Invigilator have signed on question booklet and answer sheet.
- 14. No candidate is allowed to leave the examination hall till the end of examination.



PHYSICS

- 1. In the expression for Boyle's law, the product 'PV' has dimensions of
 - A) force
- B) impulse
- C) energy
- D) momentum
- 2. The difference between angular speed of minute hand and second hand of a clock is
 - A) $\frac{59\pi}{900}$ rad/s

B) $\frac{59\pi}{1800}$ rad/s

C) $\frac{59\pi}{2400}$ rad/s

- D) $\frac{59\pi}{3600}$ rad/s
- 3. A metal rod of length 'L', cross-sectional area 'A', Young's modulus 'Y' and coefficient of linear expansion ' α ' is heated to 't' °C. The work that can be performed by the rod when heated is
 - A) $\frac{\text{YA} \alpha \text{Lt}^2}{2}$

B) $\frac{\text{YA }\alpha^2 \text{ Lt}^2}{2}$

C) $\frac{\text{YA }\alpha^2 \text{ L}^2 \text{ t}^2}{2}$

- D) $\frac{\text{YA } \alpha \text{ Lt}}{2}$
- 4. In sonometer experiment, the bridges are separated by a fixed distance. The wire which is slightly elastic, emits a tone of frequency 'n' when held by tension 'T'. If the tension is increased to '4T', the tone emitted by the wire will be of frequency
 - A) n

- B) 2n
- C) Slightly greater than 2n
- D) Slightly less than 2n
- 5. A particle performs S.H.M. with amplitude 25 cm and period 3 s. The minimum time required for it to move between two points 12.5 cm on either side of the mean position is
 - A) 0.6 s
- B) 0.5 s
- C) 0.4 s
- D) 0.2 s

6. The pitch of the whistle of an engine appears to drop to $\left(\frac{5}{6}\right)^{th}$ of original value

when it passes a stationary observer. If the speed of sound in air is 350 m/s then the speed of engine is

A) 35 m/s

B) $70 \,\mathrm{m/s}$

C) 105 m/s

- D) 140 m/s
- 7. A solid cylinder has mass 'M', radius 'R' and length 'l'. Its moment of inertia about an axis passing through its centre and perpendicular to its own axis is
 - A) $\frac{2MR^2}{3} + \frac{Ml^2}{12}$

B) $\frac{MR^2}{3} + \frac{Ml^2}{12}$

C) $\frac{3MR^2}{4} + \frac{Ml^2}{12}$

- D) $\frac{MR^2}{4} + \frac{Ml^2}{12}$
- 8. A particle is executing S.H.M. of periodic time 'T'. The time taken by a particle in moving from mean position to half the maximum displacement is $(\sin 30^\circ = 0.5)$
 - A) $\frac{T}{2}$

B) $\frac{T}{4}$

C) $\frac{T}{8}$

- D) $\frac{T}{12}$
- 9. The dimensions of Stefan's constant are
 - A) $[M^0 L^1 T^{-3} K^{-4}]$

B) $[M^1 L^1 T^{-3} K^{-3}]$

C) $[M^1 L^2 T^{-3} K^{-4}]$

- D) $[M^1 L^0 T^{-3} K^{-4}]$
- 10. An open and closed organ pipe have the same length. The ratio of 'p'th mode of frequency of vibration of air in two pipes is
 - A) p(2p + 1)
- B) $\frac{2p}{2p-1}$
- C) p
- D) 1

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11. A cord is wound around the circumference of wheel of radius 'r'. The axis of the wheel is horizontal and moment of inertia about it is 'I'. The weight 'mg' is attached to the end of the cord and falls from rest. After falling through a distance 'h', the angular velocity of the wheel will be

A)
$$[mgh]^{\frac{1}{2}}$$

B)
$$\left[\frac{2 \operatorname{mgh}}{1 + 2 \operatorname{mr}^2}\right]^{\frac{1}{2}}$$

C)
$$\left[\frac{2 \text{ mgh}}{1 + \text{mr}^2}\right]^{\frac{1}{2}}$$

D)
$$\left[\frac{\text{mgh}}{\text{I} + \text{mr}^2}\right]^{1/2}$$

12. A toy cart is tied to the end of an unstretched string of length 'l'. When revolved, the toy cart moves in horizontal circle with radius '2l' and time period T. If it is speeded untill it moves in horizontal circle of radius '3l' with period T₁, relation between T and T₁ is (Hooke's law is obeyed)

A)
$$T_1 = \frac{2}{\sqrt{3}}T$$

B)
$$T_1 = \sqrt{\frac{3}{2}} T$$

C)
$$T_1 = \sqrt{\frac{2}{3}} T$$

D)
$$T_1 = \frac{\sqrt{3}}{2} T$$

13. In a pipe open at both ends, ' n_1 ' and ' n_2 ' be the frequencies corresponding to vibrating lengths ' l_1 ' and l_2 respectively. The end correction is

A)
$$\frac{n_1 l_1 - n_2 l_2}{2(n_1 - n_2)}$$

B)
$$\frac{n_2 l_2 - n_1 l_1}{2(n_2 - n_1)}$$

C)
$$\frac{n_2 l_2 - n_1 l_1}{2(n_1 - n_2)}$$

D)
$$\frac{\mathbf{n}_1 l_1 - \mathbf{n}_2 l_2}{(\mathbf{n}_1 - \mathbf{n}_2)}$$

14. A mass is suspended from a spring having spring constant 'K' is displaced vertically and released, it oscillates with period 'T'. The weight of the mass suspended is (g = gravitational acceleration)

A)
$$\frac{\text{KTg}}{4\pi^2}$$

B)
$$\frac{KT^2g}{4\pi^2}$$
 C) $\frac{KTg}{2\pi^2}$

C)
$$\frac{\text{KTg}}{2\pi^2}$$

D)
$$\frac{KT^2g}{2\pi^2}$$

15. A satellite of mass 'm' is revolving in circular orbit of radius 'r' round the earth. Its angular momentum w.r.t. the centre of its orbit is (M = mass of earth, G = universal gravitational constant)

A) $(GMmr)^{\frac{1}{2}}$

B) $(GMm^2r)^{\frac{1}{2}}$

C) $(GMm^2r^2)^{\frac{1}{2}}$

D) $(G M^2 m^2 r)^{\frac{1}{2}}$

16. A liquid rises to a height of 1.8 cm in a glass capillary 'A'. Another glass capillary 'B' having diameter 90% of capillary 'A' is immersed in the same liquid. The rise of liquid in capillary 'B' is

A) 1.4 cm

B) 1.8 cm

C) 2.0 cm

D) 2.2 cm

17. A particle of mass 'm' is moving in circular path of constant radius 'r' such that centripetal acceleration is varying with time 't' as $K^2 r t^2$ where K is a constant. The power delivered to the particle by the force acting on it is

A) $m^2 K^2 r^2 t^2$

B) $mK^2 r^2 t$

C) m K^2 r t^2

D) m K r^2 t

18. A simple pendulum is oscillating with amplitude 'A' and angular frequency 'ω'. At displacement 'x' from mean position, the ratio of kinetic energy to potential energy is

A) $\frac{x^2}{A^2 - x^2}$ B) $\frac{x^2 - A^2}{x^2}$ C) $\frac{A^2 - x^2}{x^2}$ D) $\frac{A - x}{x}$

19. The equation of the progressive wave is $y = a \sin 2\pi \left(nt - \frac{x}{5}\right)$. The ratio of maximum particle velocity to wave velocity is

A) $\frac{\pi a}{5}$

B) $\frac{2\pi a}{5}$ C) $\frac{3\pi a}{5}$ D) $\frac{4\pi a}{5}$

20. Let g_h and g_d be the acceleration due to gravity at height h above the earth's surface and at depth 'd' below the earth's surface respectively. If $g_h = g_d$ then the relation between 'h' and 'd' is

A) d = h

B) $d = \frac{h}{2}$ C) $d = \frac{h}{4}$ D) d = 2h

- 21. A rope 1 cm in diameter breaks if tension in it exceeds 500 N. The maximum tension that may be given to a similar rope of diameter 2 cm is
 - A) 2000 N
- B) 1000 N
- C) 500 N
- D) 250 N
- 22. The length and diameter of a metal wire is doubled. The fundamental frequency of vibration will change from 'n' to (Tension being kept constant and material of both the wires is same)
 - A) $\frac{n}{4}$
- B) $\frac{n}{8}$ C) $\frac{n}{12}$ D) $\frac{n}{16}$
- 23. A hollow sphere of mass 'M' and radius 'R' is rotating with angular frequency 'ω'. It suddenly stops rotating and 75% of kinetic energy is converted to heat. If 'S' is the specific heat of the material in $\frac{J}{kg}$ K then rise in temperature of the sphere is (M.I. of hollow sphere = $\frac{2}{3}$ MR²)

- A) $\frac{R\omega}{4S}$ B) $\frac{R^2\omega^2}{4S}$ C) $\frac{R\omega}{2S}$ D) $\frac{R^2\omega^2}{2S}$
- 24. A large number of liquid drops each of radius 'a' are merged to form a single spherical drop of radius 'b'. The energy released in the process is converted into kinetic energy of the big drop formed. The speed of the big drop is
 - $[\rho = \text{density of liquid}, T = \text{surface tension of liquid}]$
 - A) $\left[\frac{6T}{\rho}\left(\frac{1}{a} \frac{1}{b}\right)\right]^{\frac{1}{2}}$

B) $\left[\frac{6T}{\rho}\left(\frac{1}{b} - \frac{1}{a}\right)\right]^{\frac{1}{2}}$

C) $\left[\frac{\rho}{6T}\left(\frac{1}{a} - \frac{1}{b}\right)\right]^{\frac{1}{2}}$

D) $\left[\frac{\rho}{6T}\left(\frac{1}{b} - \frac{1}{a}\right)\right]^{\frac{1}{2}}$



- 25. A black body radiates heat at temperatures ' T_1 ' and ' T_2 ' ($T_2 > T_1$). The frequency corresponding to maximum energy is
 - A) more at T₁

B) more at T₂

C) equal for T₁ and T₂

- D) independent of T₁ and T₂
- 26. For diamagnetic materials, magnetic susceptibility is
 - A) small and negative

B) small and positive

C) large and negative

- D) large and positive
- 27. For Balmer series, wavelength of first line is ' λ_1 ' and for Brackett series, wavelength of first line is

'
$$\lambda_2$$
' then $\frac{\lambda_1}{\lambda_2}$ is

A) 0.081

B) 0.162

C) 0.198

- D) 0.238
- 28. The distance of a point on the screen from two slits in biprism experiment is 1.8×10^{-5} m and 1.23×10^{-5} m. If wavelength of light used is 6000 Å, the fringe formed at that point is
 - A) 10th bright

B) 10th dark

C) 9th bright

- D) 9th dark
- 29. Same current is flowing in two a.c. circuits. First contains only inductance and second contains only capacitance. If frequency of a.c. is increased for both, the current will
 - A) increase in first circuit and decrease in second
 - B) increase in both circuits
 - C) decrease in both circuits
 - D) decrease in first circuit and increase in second



30. The difference in the effective capacity of two similar capacitors when joined in series and then in parallel is 6µF. The capacity of each capacitor is

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A) $2\mu F$

B) 4 uF

C) 8 uF

D) 16µF

31. Which logic gate produces 'LOW' output when any of the inputs is 'HIGH'?

A) AND

B) OR

C) NAND

D) NOR

32. An electron of mass 'm' and charge 'q' is accelerated from rest in a uniform electric field of strength 'E'. The velocity acquired by it as it travels a distance 'l' is

A) $\left[\frac{2Eql}{m}\right]^{\frac{1}{2}}$

B) $\left[\frac{2Eq}{ml}\right]^{1/2}$

C) $\left[\frac{2 \operatorname{Em}}{\mathfrak{g}l}\right]^{1/2}$

D) $\left[\frac{\text{Eq}}{\text{m}l}\right]^{1/2}$

33. A light is travelling from air into a medium. Velocity of light in a medium is reduced to 0.75 times the velocity in air. Assume that angle of incidence 'i' is very small, the deviation of the ray is

A) i

B) $\frac{i}{3}$ C) $\frac{i}{4}$ D) $\frac{3i}{4}$

34. The electric field intensity at a point near and outside the surface of a charged conductor of any shape is 'E₁'. The electric field intensity due to uniformly charged infinite thin plane sheet is 'E₂'. The relation between 'E₁' and 'E₂' is

A) $2E_1 = E_2$

B) $E_1 = E_2$

C) $E_1 = 2E_2$

D) $E_1 = 4E_2$

35.	Sens	sitivity of a moving	coil galvanometer ca	an b	e increased by	
	A)	decreasing the nur	mber of turns of coil			
	B)	increasing the num	nber of turns of coil			
	C)	decreasing the are	a of a coil			
	D)	by using a weak n	nagnet			
36.	Fort	the hydrogen atom,	the energy of radiation	on e	mitted in the transi	tion from 4 th excited state to 2 nd
	exci	ted state, according	g to Bohr's theory is			
	A)	0.567 eV	B) 0.667 eV	C)	0.967 eV	D) 1.267 eV
37.	Two	coherent monochro	omatic light beams of i	nten	sities '4 I' and '9 I' a	are superimposed. The maximum
	and	minimum possible	intensities in the resu	lting	g beam are	
	A)	3 I and 2 I		B)	9 I and 5 I	
	C)	16 I and 3 I		D)	25 I and I	
38.	The	resistances in left	and right gap of a mo	eter	bridge are 20Ω an	d 30Ω respectively. When the
	resis	stance in the left ga	p is reduced to half it	s val	ue, the balance po	int shifts by
	A)	15 cm to the right		B)	15 cm to the left	
	C)	20 cm to the right		D)	20 cm to the left	
39.	For	the same angle of ir	ncidence, the angles of	of ref	fraction in media 'l	P', 'Q', 'R' and 'S' are 50°, 40°,
	30°,	20° respectively. T	The speed of light is n	ninir	num in medium	
	A)	P	B) Q	C)	R	D) S
			SPACE FOR	RO	JGH WORK	_



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40.	The process of regain	ning of information	from carrier wave at t	he receiver is termed as
	A) demodulation		B) modulation	
	C) attenuation		D) amplification	ı
41.	A potentiometer win	re of length 10 m is	s connected in series	with a battery. The e.m.f. of a cel
	balances against 250	cm length of wire. I	f length of potentiome	eter wire is increased by 1 m, the new
	balancing length of v	wire will be		
	A) 2.00 m	B) 2.25 m	C) 2.50 m	D) 2.75 m
42.	Two coils A and B	have mutual indu	ctance 2×10 ⁻² henr	y. If the current in the primary is
	$i = 5 \sin (10\pi t)$ then	n the maximum valu	e of e.m.f. induced in	coil B is
	A) π volt	B) $\frac{\pi}{2}$ volt	C) $\frac{\pi}{3}$ volt	D) $\frac{\pi}{4}$ volt
43.	For a transistor, the	current ratio $\alpha_{dc} = \frac{6}{5}$	$\frac{69}{70}$. The current gain	β_{dc} is
	A) 66	B) 67	C) 69	D) 71
44.	In Young's double s	slit experiment, the	ratio of intensities of	f bright and dark bands is 16 which
	means			
	A) the ratio of their	r amplitudes is 5		
	B) intensities of in	dividual sources are	25 and 9 units respec	tively
	C) the ratio of their	r amplitudes is 4		
	D) intensities of in	dividual sources are	4 and 3 units respecti	vely
45.	A range of galvanom	neter is 'V', when 50	Ω resistance is conne	ected in series. Its range gets doubled
	when 500Ω resistance	ce is connected in se	ries. Galvanometer re	esistance is
	Α) 100Ω	Β) 200Ω	C) 300Ω	D) 400Ω
		SPACE F	OR ROUGH WORK	

46.	The capacity of a parallel plate air capacitor is $2\mu F$ and voltage between the plates is changing at the
	rate of 3 V/S. The displacement current in the capacitor is

A) $2\mu F$

B) 3μF

C) $5\mu F$

D) 6µF

47. A capacitor $C_1 = 4\,\mu F$ is connected in series with another capacitor $C_2 = 1\,\mu F$. The combination is connected across d.c. source of 200 V. The ratio of potential across \mathbf{C}_2 to \mathbf{C}_1 is

A) 2:1

B) 4:1

C) 8:1

48. When monochromatic light of wavelength ' λ ' is incident on a metallic surface, the stopping potential for photoelectric current is '3V $_0$ '. When same surface is illuminated with light of wavelength '2 λ ', the stopping potential is ' V_0 '. The threshold wavelength for this surface when photoelectric effect takes place is

A) λ

B) 2λ

C) 3 \(\lambda\)

D) 4λ

49. A coil carrying current 'I' has radius 'r' and number of turns 'n'. It is rewound so that radius of new coil is $\frac{r}{4}$ and it carries current 'I'. The ratio of magnetic moment of new coil to that of original coil is

A) 1

B) $\frac{1}{2}$ C) $\frac{1}{4}$

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

50. The de-Broglie wavelength ' λ ' of a particle

A) is proportional to mass

B) is proportional to impulse

C) is inversely proportional to impulse

D) does not depend on impulse

CHEMISTRY

51. Which of the following is the most stable diazonium salt?

A) $C_6H_5CH_2N_2^+X^-$ B) $CH_3N_2^+X^-$ C) $CH_3CH_2N_2^+X^-$ D) $C_6H_5N_2^+X^-$

52. Electronic configuration of only one P block element is exceptional. One molecule of that element consists of how many atoms of it?

A) One

B) Two

C) Three

D) Four

53. The correct IUPAC name of $[CO(NH_3)_3(NO_2)_3]$

A) Triammine trinitrito – N cobalt (III) B) Triammine trinitrito – N cobalt (II)

C) Triammine cobalt (III) nitrite

D) Triammine trinitrito – N cobaltate (III)

54. If M, W and V represent molar mass of solute, mass of solute and volume of solution in litres respectively, which among following equations is true?

A) $\pi = \frac{MWR}{TV}$ B) $\pi = \frac{TMR}{WV}$ C) $\pi = \frac{TWR}{VM}$ D) $\pi = \frac{TRV}{WM}$

55. Replacement of diazonium group by fluorine is known as

A) Gattermann reaction

B) Sandmeyer reaction

C) Balz-Schiemann reaction

D) Etard reaction

56. For which among the following reactions, change in entropy is less than zero?

A) Sublimation of Iodine

B) Dissociation of Hydrogen

C) Formation of water

D) Thermal decomposition of Calcium Carbonate

57. $[Cr(NH_3)_6][Cr(SCN)_6]$ and $[Cr(NH_3)_2(SCN)_4][Cr(NH_3)_4(SCN)_2]$ are the examples of what type of isomerism?

A) Ionisation isomerism

B) Linkage isomerism

C) Coordination isomerism

D) Solvate isomerism

- 58. For the reaction $O_{3 (g)} + O_{(g)} \rightarrow 2O_{2 (g)}$, if the rate law expression is, rate = $K[O_3]$ [O] the molecularity and order of the reaction are respectively
 - A) 2 and 2
- B) 2 and 1.33
- C) 2 and 1
- D) 1 and 2
- 59. $R C \equiv N + 2 (H)$ $\xrightarrow{\text{(ii) SnC}l_2/\text{dil HC}l} \text{RCHO} + \text{NH}_4\text{C}l \text{ this reaction is known as}$
 - A) Etard reaction
 - B) Stephen reaction
 - C) Hell-Vohlard-Zelinsky reaction
 - D) Balz-Schiemann reaction
- 60. Select a ferromagnetic material from the followings.
 - A) Dioxygen

B) Chromium (IV) oxide

C) Benzene

- D) Dihydrogen monoxide
- 61. What is the volume of water consumed during acid hydrolysis of 1.368 Kg of sucrose?

(Given – molar masses of sucrose = 342, water = 18, density of water = 1 g/cm^3)

- A) 0.072 dm^3
- B) 0.720 dm^3
- C) 0.18 dm^3
- D) $0.018 \, \text{dm}^3$
- 62. The process in which metal surface is made inactive is called
 - A) Passivation
- B) Galvanizing
- C) Corrosion
- D) Pickling
- 63. Which among the following group 15 element forms most stable pentavalent compound?
 - A) Phosphorus
- B) Antimony
- C) Bismuth
- D) Arsenic
- 64. Which among the following functional groups has been given the highest priority while assigning R-S configuration?
 - A) $C_6 H_5$
- B) CN
- C) $C_2 H_5$ D) CH_3

65.	Given $R = 8.314$ JK (molar mass = 30) at 30		do	ne during combu	astion of 0.090 kg of ethane
	A) – 18.7 kJ	B) 18.7 kJ	C)	6.234 kJ	D) - 6.234 kJ
66.	Potassium dichromate i changes by	s a good oxidizing ag	ent,	in acidic medium	the oxidation state of chromium
	A) 2	B) 3	C)	4	D) 5
67.	Diethyl amine when tre	eated with nitrous acid	l yie	elds	
	A) Diethyl ammoniur	n nitrite	B)	Ethyl alcohol	
	C) N-nitroso diethyl a	amine	D)	Triethyl ammoniu	ım nitrite
68.	What is the most abund	lant element on earth	?		
	A) Hydrogen	B) Nitrogen	C)	Oxygen	D) Silicon
69.	The overall reaction tak electrode is	ing place at anode dur	ing	electrolysis of fuse	d sodium chloride using suitable
	A) Oxidation of chlor	ride	B)	Reduction of sodi	um ions
	C) Reduction of chlor	rine	D)	Oxidation of sodi	um atoms
70.	The only radioactive el	ement among the lant	han	oids is	
	A) Gadolinium	B) Holmium	C)	Promethium	D) Neodynium
71.	Identify a metalloid from	m the following list o	f ele	ements.	
	A) Carbon	B) Neon	C)	Sodium	D) Tellurium
72.	What is the chemical co	omposition of Nicol's	pris	sm?	
	A) Al_2O_3	B) CaSO ₄	C)	CaCO ₃	D) Na ₃ AlF ₆
73.	Identify the heteropoly	mer from the list give	n be	elow.	
	A) Polythene	B) Nylon-6	C)	Teflon	D) Nylon-6, 6
74.	What is the basicity of	orthophosphorus acid	1?		
	A) One	B) Two	C)	Three	D) Four

75.	The c	correct order of rea	ectivity of aldehydes	and	ketones towards h	ydrogen cyanide is
	A)	CH ₃ COCH ₃ ⟩CH ₃	СНО>НСНО	B)	CH ₃ COCH ₃ ⟩HC	HO⟩CH ₃ CHO
	C)	CH ₃ CHO⟩CH ₃ CO	OCH₃⟩HCHO	D)	HCHO⟩CH ₃ CHO	O)CH ₃ COCH ₃
76.	Whic	ch among the follo	wing is a feature of a	diab	atic expansion?	
	A)	$\Delta V < 0$	B) $\Delta U < 0$	C)	$\Delta U > 0$	D) $\Delta T = 0$
77.	Mola	rity is defined as				
	A)	the number of mol	es of solute dissolved	d in	one dm ³ of the sol	ution
			les of solute dissolved		_	
	C)	the number of mol	les of solute dissolve	d in	1 dm ³ of the solve	nt
	D)	the number of mol	les of solute dissolve	d in	100 ml of the solve	ent
78.		-	nber of monohydroxy group as a branch?	/ der	ivatives of a hydro	carbon consisting of five carbon
	A)	2	B) 3	C)	4	D) 5
79.			ork done when two noise a pressure of 100		_	mpressed from a volume of 1 m ³
	A)	99 kJ	B) - 99 kJ	C)	114.9 kJ	D) – 114.9 kJ
80.	Whic	ch among the follow	ing alloys is used in m	akin	g instruments for el	lectrical measurements?
	A)	Stainless steel	B) Manganin	C)	Spiegeleisen	D) Duralumin
81.	Whic	ch of the following	proteins is globular '	?		
	A)	Collagen	B) Albumin	C)	Myosin	D) Fibroin
82.	A mi	xture of benzaldeh	nyde and formaldehy	de w	hen treated with 5	0% NaOH yields
	A)	Sodium benzoate a	and sodium formate			
	B)	Sodium formate ar	nd benzyl alcohol			
	C)	Sodium benzoate a	and methyl alcohol			
	D)	Benzyl alcohol and	d methyl alcohol			

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83.	Which among the fol	lowing solutions is N	OT used in determina	ation of the cell constant?
	A) $10^{-2} \text{ M KC} l$	B) $10^{-1} \text{ M KC} l$	C) 1 M KC <i>l</i>	D) Saturated KCl
84.	Which halogen forms	an oxyacid that conta	ins the halogen atom i	n tripositive oxidation state?
	A) Fluorine	B) Chlorine	C) Bromine	D) Iodine
85.	Name the metal that furnace and heating t		-	sloping hearth of a reverberatory
	A) Mercury	B) Galium	C) Zirconium	D) Copper
86.	Which among the fol	lowing is a tranquilize	er?	
	A) Aspirin	B) Valium	C) Penicillin	D) Sulphanilamide
87.	Chlorination of ethan	e is carried out in pres	sence of	
	A) anhydrous AlBr	3	B) mercuric chlori	ide
	C) ultraviolet light		D) zinc chloride	
88.	Identify a 'Chemical	twin' among the follo	wings.	
	A) Zr-Ta	B) Nb-Tc	C) Hf-Re	D) Nb-Ta
89.	The relationship betw	een rate constant and	I half life period of ze	ro order reaction is given by
	A) $t_{\frac{1}{2}} = [A]_0 2k$	B) $t_{\frac{1}{2}} = \frac{0.693}{k}$	C) $t_{\frac{1}{2}} = \frac{[A]_0}{2k}$	D) $t_{\frac{1}{2}} = \frac{2[A]_0}{k}$
90.	Which polymer amor	ng the following poly	mers does NOT softe	n on heating?
	A) Bakelite	B) Polythene	C) Polystyrene	D) PVC

- 91. Van't Hoff factor of centimolal solution of K_3 [Fe(CN) $_6$] is 3.333. Calculate the percent dissociation of K_3 [Fe(CN)₆].
 - A) 33.33
- B) 0.78
- C) 78
- D) 23.33
- 92. Which of the following compounds is most acidic in nature?
 - A) 4-Chlorobutanoic acid
- B) 3-Chlorobutanoic acid
- C) 2-Chlorobutanoic acid
- D) Butanoic acid

93.	How is ore of aluminiu	m concentrated?				
	A) roasting		B)	leaching		
	C) froth floatation		D)	using Wilfley tab	le	
94.	Which of the following	g compounds has hig	hest	boiling point?		
	A) Propan-1-ol	B) n-Butane	C)	Chloroethane	D) Propanal	
95.	Which metal among th	e followings has the	high	est packing efficie	ency?	
	A) Iron	B) Tungsten	C)	Aluminium	D) Polonium	
96.	What oxoacid of sulph	ur contains S-S bond	l in it	ts structure?		
	A) Disulphurous acid	d	B)	Disulphuric acid		
	C) Perdisulphuric aci	id	D)	D) Hydrosulphurous acid		
97.	Which among the follo	wing detergents is n	on-io	onic in character?		
	A) Sodiumlauryl sulp	ohate	B)	Pentaerythrityl st	earate	
	C) Cetyltrimethyl am	monium chloride	D)	Sodium n-dodec	yl benzene sulphonate	
98.	Reaction of which amo	ng the following ethe	ers w	ith HI in cold leads	to formation of methyl alcohol	
	A) ethyl methyl ether	•	B)	methyl propyl eth	ner	
	C) isopropyl methyl	ether	D)	tert-butyl methyl	ether	
99.	During conversion of g	glucose into glucose	cyan	ohydrin, what fun	ctional group/atom of glucose is	
	replaced?					
	A) hydrogen		B)	aldehydic group		
	C) primary alcoholic	group	D)	secondary alcoho	olic group	
100.	Half life period of a first	t order reaction, $A \rightarrow$	proc	luct is 6.93 hour. W	That is the value of rate constant ?	
	A) 1.596 h ⁻¹	B) 0.1 h^{-1}	C)	$4.802 \ h^{-1}$	D) 10 h ⁻¹	



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101.	In the first step of Mor	_		pea plants which were
	A) pure tall as male	and pure dwarf as fen	nale	
	B) pure tall as femal	e and pure dwarf as n	nale	
	C) heterozygous tall	-		
	D) heterozygous tall	as female and pure d	warf as male	
102.	In Griffith's experime mixed with heat killed		f R-type to S-type of	Diplococcus Pneumoniae when
	A) mutation	B) transduction	C) transfection	D) transformation
103.	Semidwarf rice variety	y IR-8 was developed	in	
	A) Taiwan	B) Phillipines	C) India	D) China
104.	Which one of the follo	wing is a non-endosp	permic seed?	
	A) sunflower	B) coconut	C) ground nut	D) wheat
105.	Which one of the follo	owing is NOT a myco	herbicide?	
	A) Phytophthora pal	<u>mivora</u>	B) Xanthomonas sp	<u>'-</u>
	C) Alternaria crassa		D) Fusarium sp.	
106.	During anaerobic resp TPP, the cofactor requ		n of pyruvate into aceta	aldehyde, along with co-enzyme
	A) Mg ⁺⁺	B) Mn ⁺⁺	C) Fe ⁺⁺	D) Zn ⁺⁺
107.	An international treaty	known as Montreal I	Protocol was signed to	control emission of
	A) UV rays	B) Ozone	C) CFC	D) Oxygen
108.	Chloroplasts in higher	plants are	shaped.	
	A) kidney	B) lens	C) bean	D) dome
109.	Pollengrain develops f	from of a	anther.	
	A) epidermis	B) endothecium	C) tapetum	D) sporogenous tissue
110.	In processing of eukary	yotic hn RNA, during	protein synthesis tailin	g involves of RNA.
	A) Addition of aden	ylate residues at 3' er	nd	
	B) Addition of meth	yl guanosine triphosp	ohate at 3' end	
	C) Addition of meth	yl guanosine triphosp	ohate at 5' end	
	D) Removal of intro	ns		
111.	In a cross between red keep the phenotypic ratio in			at showing polygenic inheritance
	A) 1:6:15:20:15	5:6:1	B) 1:4:6:4:1	
	C) 1:2:1		D) 2:1	
112.	In angiosperms during	development of emb	ryo the suspensor cells	s develop from
	A) oosnore	R) integument	C) endosperm	D) cotyledon

113.	Manganese, calcium ar	nd chloride ions prese	nt in	PS-II play an imp	oortant role in
	A) Absorption of ligh	ıt	B)	${\rm CO}_2$ assimilation	
	C) Photolysis of water	er	D)	ATP synthesis	
114.	Which process does the	e following equation r	repre	esent?	
	$C_6H_{12}O_6 + 2NAD +$	$2 \text{ ADP} + 2\text{Pi} \rightarrow 2 \text{ C}$	H ₃ -	- CO – COOH + :	2 NADH ₂ + 2 ATP
	A) complete glycolys	is	B)	complete aerobic	respiration
	C) complete anaerobi	c respiration	D)	complete ferment	ation
115.	The cloning vector M1	3 has genetic material	1		
	A) ssRNA	B) dsRNA	C)	ssDNA	D) dsDNA
116.	Earthworm is a				
	A) herbivore		B)	secondary consur	ner
	C) tertiary consumer		D)	detrivore	
117.	To induce formation of	organs in a callus it i	is neo	cessary to provide	
	A) growth hormones	B) water	C)	soil	D) antibiotics
118.	Anemophily is NOT of	oserved in			
	A) Maize	B) Jowar	C)	Sugarcane	D) Salvia
119.	In an ecosystem, the bio	otic components herb	ivor	ous are	
	A) photosynthetic	B) chemosynthetic	C)	macro consumers	D) micro consumers
120.	The visible portion of li	ight spectrum useful i	in ph	otosynthesis is ref	Ferred to as
	A) RFLP	B) PAR	C)	VAM	D) VNTR
121.	The microbe Pseudomo	onas denitrificans pro	duce	es Vitamin	
	A) K	B) D	C)	B_2	D) B ₁₂
122.	If there are 1280 micro there in its each pollen		lar aı	nther, how many r	microspore mother cells will be
	A) 80	B) 160	C)	240	D) 1280
123.	Which one of the follow	wing plants DOES No	OT l	nelp in vegetative	propagation by leaves?
	A) Begonia	B) Kalanchoe	C)	Bryophyllum	D) Oxalis
124.	Given below are some	reactions and the enz	yme	s involved.	
	Identify the CORRECT	Γ pairs.			
	I			II	
	1. Fructose 1,6 diphe	osphate \rightarrow 3 PGAL	+ D]	HAP a. enolas	e
	2. Citrate \rightarrow Cis – a	conitate		b. thiokin	nase
	3. Succinyl Co. A —	→ succinate		c. aconita	ase
	4. $2 \text{ PGA} \rightarrow \text{PEPA}$			d. aldolas	se
	A) 1-d, 2-c, 3-b, 4-a		B)	1-a, 2-b, 3-c, 4-d	
	C) 1-b, 2-a, 3-d, 4-c		D)	1-c, 2-d, 3-a, 4-b	

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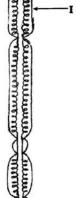


125.	Human skin colour is a	in example of				
	A) Intragenic interact	ion	B) Interallelic interac	B) Interallelic interaction		
	C) Quantitative inher	itance	D) Pleiotropy			
126.	During DNA replication	on, the addition of nuc	cleotides on the laggin	g strand occurs		
	A) towards the replic	ating fork	B) at a faster rate that	an leading strand		
	C) continuously		D) discontinuously			
127.	The technique of produculture is called	icing large number o	f genetically similar p	lants within short time by tissue		
	A) Organogenesis		B) Somatic hybridiz	ation		
	C) Micropropagation	L	D) Protoplast culture	2		
128.	How many sense codor	ns code for 20 knows	n essential amino acid	s ?		
	A) 61	B) 62	C) 63	D) 64		
129.	Which one of the follow	wing is NOT a natura	al method of vegetative	e propagation ?		
	A) runner	B) foliar buds	C) stem tuber	D) grafting		
130.	Transposons are sequen	nces of				
	A) DNA	B) mRNA	C) rRNA	D) tRNA		
131.	A 340 Å long segmen number of guanine nitr			genous bases, what will be the		
	A) 10	B) 40	C) 80	D) 160		
132.	The final electron accep	ptor during ETS in re	espiration is			
	A) Hydrogen	B) Oxygen	C) FMN	D) Ubiquinone		
133.	The time taken from the seconds.	fixation of CO ₂ to the	e formation of one gluc	ose molecule is about		
	A) 20	B) 40	C) 60	D) 90		
134.	The secondary metabol	lite obtained from Ca	tharanthus roseus is			
	A) vincristin	B) anthocyanin	C) menthol	D) nicotine		
135.	Large stout, nocturnal fadaptations for	lowers producing cop	pious nectar and emitti	ng fermenting fruity odor, are the		
	A) Entomophily	B) Ornithophily	C) Chiropterophily	D) Anemophily		
136.	During Biogas product	ion acetic acid is tran	sformed into the final	product by the enzymes of		
	A) Clostridium	B) Pseudomonas	C) Penicillium	D) Methanobacillus		
137.	The gymnospermic ende	osperm differs from a	n angiospermic endosp	erm because in gymnosperms it is		
	A) haploid and develo	oped from female gar	metophyte			
	B) diploid and develo	oped from female gar	netophyte			
	C) triploid and develo	oped after fertilization	n			
	D) triploid and develo	oped before fertilizati	on			

138.	Wha	nt is NOT true abou	t emasculation	of a fl	owe	r while performin	g an artificial cross?
	A)	It is removal of an	thers from flow	ver		-	
	,	It is done before a					
	C)	It is to avoid self p	ollination				
	D)	It is done in flower	rs of plants sel	ected a	s ma	ale parent	
139.	Pusa	a shubhra is a varie	ty of				
		cauliflower	B) chilli		C)	wheat	D) cabbage
140.	Whi	ch of the following	is correct pair	of pyri	mic	line bases ?	
		Adenine & Thymi	<u> </u>	1.		Adenine & Guan	ine
	C)	Thymine & Cytos	ine		D)	Guanine & Cytos	sine
141.	In th	e nomenclature of	enzyme restric	tion en	don	uclease the Roma	n numeral indicates
		number of times it	•			the order of disco	
	C)	number of cuts on	DNA		D)	number of recom	binants formed
142.	Envi	ironmental biotic fa	actor that helps	in poll	inat	ion is	
	A)	air	B) water	_	C)	wind	D) insects
143.	How	many types of gai	metes will be p	oroduce	ed by	y an individual ha	ving genotype AaBbcc?
	A)	four	B) three		C)	two	D) one
144.	Self	pollination which i	involves two di	ifferen	t flo	wers of the same p	plant, is called
	A)	autogamy	B) geitonoga	ımy	C)	xenogamy	D) hybridization
145.	The	initial step in prepa	ration of beer	is			
	A)	malting	B) carboxyla	tion	C)	clarification	D) distillation
146.	A de	esirable change in g	genotype of an	organi	sm i	s obtained by	
	A)	DNA replication			B)	protein synthesis	
	C)	rDNA technology	,		D)	m-RNA formatio	n
147.	Cons	sidering mode of as	exual reproduc	ction, m	atcł	n the Column I with	II and select the correct option:
		I		J	Ι		
	a.	Yeast		i. fragı	men	tation	
	b.	Penicillium	i	i. zoos	por	es	
	c.	Filamentous algae	ii	i. budo	ling		
	d.	Chlamydomonas	iv	v. coni	dia		
	A)	a-iii, b-iv, c-i, d-ii			B)	a-ii, b-iii, c-i, d-iv	7
	C)	a-iv, b-iii, c-ii, d-i			D)	a-iii, b-ii, c-i, d-iv	1
148.		much of the energy TP ?	y released duri	ng aero	bic	respiration is appr	oximately conserved in the form
	A)	20%	B) 40%		C)	60%	D) 100%
149.	The	deflection of pitch	angle between	ı two sı	ıcce	essive steps (rungs) of DNA is
	A)	72°	B) 54°		C)	36°	D) 18°



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150.	Which one of the foll	owing is a CAM plan	t ?			
	A) Maize	B) Kalanchoe		Sugarcane	D) Jowar	
151.	One of the following	cells secretes a hormo	ne			
	A) Cells of Leydig			Cells of Sertoli		
	C) Primary spermat	cocyte	D)	Secondary sperm	atocyte	
152.	Find the odd one out,	with respect to X-link	kage.			
	A) Haemophilia	B) Myopia	C)	Nephritis	D) Night blindness	
153.	The first fossil of Aus	•	cove	red in		
	A) Olduvai Gorge,		,	Fayum deposits of	0.1	
	C) Siwalik hills in I		ŕ	Taung in South A	Africa	
154.	Which of the following	ng options are CORR	ECT	?		
	1. Heroin –	Stimulant				
	2. Marijuana –	Cardiovascular				
	3. Cocaine –	Hallucinations				
	4. Morphine –	Sedative				
	A) 1, 2 and 3	B) 1, 3 and 4	C)	2, 3 and 4	D) 1, 2 and 4	
155.	Serotonin and Melato	onin are hormones, sec	retec	d by		
	A) Pancreas	B) Pineal body	C)	Pituitary gland	D) Thymus	
156.	are observed in	adaptation.	nout,	, strong and stout f	forelimbs, well developed cl	aws
	A) Arboreal	B) Aerial	C)	Cursorial	D) Fossorial	
157.	Deposition of	_ in the joints causes	gout			
	A) Urea	B) Uric acid	C)	Guanine	D) Ammonia	
158.	The glycoprotein, fert	•				
	A) Ovum	B) Ovary	C)	Sperm	D) Testis	
159.	In the given diagram	I and II indicate				
	Transport of the Control of the Cont	·I				



- A) Chromomere and chromonemata
- B) Centromere and secondary constriction
- C) Secondary constriction and satellite
- D) Telomere and satellite

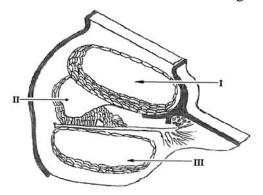


160. Find the CORRECT match:

	Column A	Column B		Column C				
	i. Mackeral	Rastrelliger		Freshwater fish				
	ii. Honey bee	Apis		Wax				
	iii. Mirgala	Tacchardia	Marine waterfish					
	iv. Silkworm	Bombyx		Mulberry silk				
	A) ii and iv	B) i and ii	C) iv only	D)	i and iii		
161.	A Red list of endangere	ed species is maintain	ed	by				
	A) CSIR	B) IUCN	C) NEERI	D)	WLS		
162.	The Human Genome P	roject (HGP) was init	tiat	ted in				
	A) 1988	B) 1990	C) 1992	D)	1994		
163.	Ectoderm gives rise to							
	A) cornea, heart, bron							
	B) adrenal cortex, tor							
	C) lungs, adrenal med	•						
	D) enamel of teeth, na		ha	ir				
164.	Helper T – cells : Lymp	•						
	Killer T – cells :		_					
	A) Interferons	B) Lysozymes) Perforins	D)	Prostaglandins		
165.	Epicanthal skin fold and				_			
	A) Down's syndrome	9) Klinefelter's sync		e		
1	C) Thalassemia		ע) Turner's syndron	ne			
166.	Following are all breed		C) Calcirual	D)	Cim alla:		
1.67	A) Jersey	B) Nagpuri	C) Sahiwal	(ע	Sindhi		
16/.	More than 95 % of tran	<u> </u>	C) Eigh	D)	Cowa		
1.60	A) Rabbits	B) Mice	C) Fish	D)	Cows		
108.	Pick the ODD homolog A) Bartholin's Gland		D) Clitoris – Penis				
	C) Mons pubis – Gla	•) Labia majora – So	roti	ım		
160	Which is NOT the fund	-	ע) Laoia majora – Si		1111		
109.	A) Transport R.B.C.s	• •	R) Drain excess tissu	ıe fli	ıid		
	C) Transport lympho) Transport absorb				
170	A cuckoo laying eggs i	•						
170.	A) Adelphoparasitisn	_) Broodparasitism	ump			
	C) Ectoparasitism) Hyperparasitism				
171.	The reptiles, like dinos	aurs were dominant in						
	A) Cretaceous	B) Jurassic		Tertiary	D)	Triassic		



172. Select the CORRECT identification group of labelled parts I, II, III



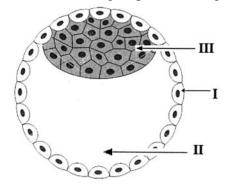
- A) I Scala vestibuli, II Scala media, III Scala tympani
- B) I Scala vestibuli, II Scala tympani, III Scala media
- C) I Scala tympani, II Scala media, III Scala vestibuli
- D) I Scala media, II Scala tympani, III Scala media
- 173. The Transgenic animals are generally produced for all of the following needs EXCEPT
 - A) Testing of chemical safety
 - B) Testing of vaccine safety
 - C) Stimulation of pathogenicity
 - D) Production of pharmacologically important proteins
- 174. Match the following:
 - i. Mercury
- a. Low blood pressure, blindness
- ii. Lead
- b. Hyperkeratosis, Liver cirrhosis
- iii. Arsenic
- c. Bone deformation, testicular atrophy
- iv. Cadmium
- d. Abdominal pain, haemolysis
- e. Anaemia, convulsions
- A) i-e, ii-d, iii-c, iv-b

B) i-d, ii-e, iii-b, iv-c

C) i-c, ii-b, iii-d, iv-a

D) i-b, ii-c, iii-d, iv-e

175. Choose the CORRECT group of labellings



- A) I Trophoblast, II Archenteron, III Micromeres
- B) I Trophoblast, II Blastocoel, III Megameres
- C) I Trophoblast, II Archenteron, III Inner mass cells
- D) I Trophoblast, II Blastocoel, III Inner mass cells

176.	All	of the following ani	mals ar	e ur	eotelic EX	KCE	EPT		
	A)	Frog	B) Sn	ake		C)	Turtle	D)	Toad
177.	The	study of blood vess	sels is to	erme	d as				
	A)	Angiology	B) Ca	rdio	logy	C)	Haematology	D)	Histology
178.	Plas	ma cells are derived	l from						
	A)	Cytotoxic T – cell	S			B)	Helper T – cells		
		Memory B – cells				D)	Memory T – cells	S	
179.	Darv	win's theory of Evo	olution	CAN	NOT ex	plai	n		
		Arrival of fittest			-	_	Natural selection		
	C)	Prodigality of prod	luction			D)	Struggle for exist	ence	
180.	Duri	ing ovulation, the o	vary rel	lease	S				
		Oogonia	B) Oc			C)	Primary oocyte	D)	Secondary oocyte
181.	Juxt	a glomerular cells o	of kidne	y sec	crete horn	none	e		
	A)	Angiotensinogen				B)	Angiotensin II		
	C)	Coherin				D)	Renin		
182.	The	marine fish among	the foll	owi	ng varieti	es is			
	A)	Stromateus	B) La	beo		C)	Cirrhina	D)	Catla
183.	Whi	ch of the following	animal	l was	selected	by I	Morgan for studyi	ng li	nkage?
100.	A)	Apis indica				B)	Agrobacterium tu	ımaf	faciens
	C)	Drosophila melan	ogaster	•		D)	E. Coli		
184.	The	increase in blood fl	ow to h	eart	stimulate	es se	cretion of		
	A)	Renin				B)	Oxytocin		
	C)	Antidiuretic hormo	one			D)	Atrial natriuretic	facto	or
185.	Hea	viness with severe	chest pa	ain w	hich may	dis	appear with rest ir	ıdica	ntes
	A)	Angina pectoris	B) At	hero	sclerosis	C)	Arteriosclerosis	D)	Hyperthyroidism
186.	The	co-ordinator betwe	en Ner	vous	and endo	ocrir	ne system is		
	A)	Thalamus	B) Hy	poth	alamus	C)	Epithalamus	D)	Colliculus
187.	Mat	ch the pairs of disea	ases and	l pat	hogens:				
		I]	II			
	1.	Malaria		a.	Wuchere	eria l	bancrofti		
	2.	Filariasis		b.	Helmintl	h			
	3.	Typhoid		c.	Plasmod	ium	falciparum		
	4.	Schistosomiasis		d.	Salmone	llat	yphi		
	A)	1-c, 2-b, 3-a, 4-d				B)	1-d, 2-a, 3-b, 4-c		
	C)	1-a, 2-b, 3-c, 4-d				D)	1-c, 2-a, 3-d, 4-b		
188.	The	clot formation can	be prev	ente	d by treat	tmer	nt withi	n ge	ene therapy.
	A)	DNase				B)	Recombinant vac	cine	;
	C)	TPA				D)	TGF-B		

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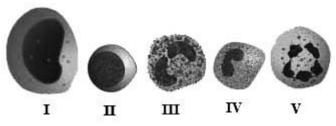
- 189. Select the CORRECT match:
 - A) Gibbon Cercopithecoidea
- B) Lemur-Prosimii
- C) New World Monkey Hominoidea
- D) Tarsier Anthropoidea
- 190. Atrial Natriuretic Factor (ANF) decreases
 - A) Blood pressure

B) Secretion of renin

C) Na⁺ excretion

- D) Vasodilation
- 191. Morula formed at the end of cleavage is _____ celled.
 - A) 14
- B) 16
- C) 18
- D) 20

- 192. Select the CORRECT pair
 - A) Adaptive Radiation Darwin's Finches
 - B) Connecting Link Sewall Wright effect
 - C) Genetic drift Peppered moth
 - D) Industrial Melanism Archeopteryx
- 193. How many pairs of sympathetic ganglia are present in ANS?
 - A) 10
- B) 12
- C) 22
- D) 31
- 194. The first vaccine produced by Edward Jenner, was for protection against
 - A) Hepatitis
- B) Influenza
- C) Chicken pox
- D) Small pox
- 195. Which are the phagocytic cells from given diagram?



- A) I and V
- B) I and III
- C) I and IV
- D) I and II
- 196. Forceful muscular contractions of uterine wall is involved in
 - A) Implantation
- B) Lactation
- C) Micturition
- D) Parturition
- 197. In mechanism of hormone action, which of the following is NOT a second messenger?
 - A) Cyclic AMP
- B) IP₃
- C) Ca++
- D) Mg^{++}
- 198. One of the following pair of animals is an example of commensalism
 - A) Sacculina crab

B) Plasmodium – Anopheles

C) Golden Jackal – Tiger

- D) Ascaris Man
- 199. What is "After birth" referred to?
 - A) Amniotic fluid passing out
 - B) Expulsion of baby
 - C) Expulsion of placenta, umbilical cord and foetal membrane
 - D) Secretion of hormone relaxin
- 200. Which group of cranial nerves control eye ball movements?
 - A) Optic, Abducens, Pathetic
- B) Optic, Oculomotor, Trochlear
- C) Oculomotor, Abducens, Auditory
- D) Oculomotor, Abducens, Trochlear





LOGARITHMS

	0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
10	0000	0043	0086	0128	0170				one to the		5	9	13	17	21	26	30	34	38
(A)ecul	0.000.000.000	0.40.480.480	Interview of the	Taxastina)	0000000000	0212	0253	0294	0334	0374	4	8	12	16	20	24	28	32	36
11	0414	0453	0492	0531	0569		3,000		1.7mm1000111		4	8	12	16	20	23	27	31	35
						0607	0645	0682	0719	0755	4	7	11	15	18	22	26	29	33
12	0792	0828	0864	0899	0934						3	7	11	14	18	21	25	28	32
100.00	1573333565		120305100	8500	interested	0969	1004	1038	1072	1106	3	7	10	14	17	20	24	27	31
13	1139	1173	1206	1239	1271	10.00.000	MATERIAL I				3	6	10	13	16	19	23	26	29
						1303	1335	1367	1399	1430	3	6	10	13	16	19	22	25	29
14	1461	1492	1523	1553	1584						3	6	9	12	15	19	22	25	28
						1614	1644	1673	1703	1732	3	6	9	12	14	17	20	23	26
15	1761	1790	1818	1847	1875						3	6	9	11	14	17	20	23	26
		3.40000000000	- 347/42-03-00		100-10000000	1903	1931	1959	1987	2014	3	6	8	11	14	17	19	22	25
16	2041	2068	2095	2122	2148						3	6	8	11	14	16	19	22	24
			1000			2175	2201	2227	2253	2279	3	5	8	10	13	16	18	21	23
17	2304	2330	2355	2380	2405				-		3	5	8	10	13	15	18	20	23
		00000000		XING PERCEN	5010-4000	2430	2455	2480	2504	2529	3	5	8	10	12	15	17	20	22
18	2553	2577	2601	2625	2648						2	5	7	9	12	14	17	19	21
						2672	2695	2718	2742	2765	2	4	7	9	11	14	16	18	21
19	2788	2810	2833	2856	2878				-		2	4	7	9	11	13	16	18	20
00.500	7007200988	50703000.005	E00.5400000	V-0-0412-145	9152742350	2900	2923	2945	2967	2989	2	4	6	8	11	13	15	17	19
20	3010	3032	3054	3075	3096	3118	3139	3160	3181	3201	2	4	6	8	11	13	15	17	19
21	3222	3243	3263	3284	3304	3324	3345	3365	3385	3404	2	4	6	8	10	12	14	16	18
22	3424	3444	3464	3483	3502	3522	3541	3560	3579	3598	2	4	6	8	10	12	14	15	17
23	3617	3636	3655	3674	3692	3711	3729	3747	3766	3784	2	4	6	7	9	11	13	15	17
24	3802	3820	3838	3856	3874	3892	3909	3927	3945	3962	2	4	5	7	9	11	12	14	16
25	3979	3997	4014	4031	4048	4065	4082	4099	4116	4133	2	3	5	7	9	10	12	14	15
26	4150	4166	4183	4200	4216	4232	4249	4265	4281	4298	2	3	5	7	8	10	11	14	15
27	4314	4330	4346	4362	4378	4393	4409	4425	4440	4456	2	3	5	6	8	9	11	13	14
28	4472	4487	4502	4518	4533	4548	4564	4579	4594	4609	2	3	5	6	8	9	11	12	14
29	4624	4639	4654	4669	4683	4698	4713	4728	4742	4757	1	3	4	6	7	9	10	12	13
30	4771	4786	4800	4814	4829	4843	4857	4871	4886	4900	1	3	4	6	7	9	10	11	13
31	4914	4928	4942	4955	4969	4983	4997	5011	5024	5038	1	3	4	6	7	8	10	11	12
32	5051	5065	5079	5092	5105	5119	5132	5145	5159	5172	1	3	4	5	7	8	9	11	12
33	5185	5198	5211	5224	5237	5250	5263	5276	5289	5302	1	3	4	5	6	8	9	10	12
34	5315	5328	5340	5353	5366	5378	5391	5403	5416	5428	1	3	4	5	6	8	9	10	11
35	5441	5453	5465	5478	5490	5502	5514	5527	5539	5551	1	2	4	5	6	7	9	10	11
36	5563	5575	5587	5599	5611	5623	5635	5647	5658	5670	1	2	4	5	6	7	8	10	11
37	5682	5694	5705	5717	5729	5740	5752	5763	5775	5786	1	2	3	5	6	7	8	9	10
38	5798	5809	5821	5832	5843	5855	5866	5877	5888	5899	1	2	3	5	6	7	8	9	10
39	5911	5922	5933	5944	5955	5966	5977	5988	5999	6010	1	2	3	4	5	7	8	9	10
40	6021	6031	6042	6053	6064	6075	6085	6096	6107	6117	1	2	3	4	5	6	8	9	10
41	6128	6138	6149	6160	6170	6180	6191	6201	6212	6222	1	2	3	4	5	6	7	8	9
42	6232	6243	6253	6263	6274	6284	6294	6304	6314	6325	1	2	3	4	5	6	7	8	9
43	6335	6345	6355	6365	6375	6385	6395	6405	6415	6425	1	2	3	4	5	6	7	8	9
44	6435	6444	6454	6464	6474	6484	6493	6503	6513	6522	1	2	3	4	5	6	7	8	9
45	6532	6542	6551	6561	6571	6580	6590	6599	6609	6618	1	2	3	4	5	6	7	8	9
46	6628	6637	6646	6656	6665	6675	6684	6693	6702	6712	1	2	3	4	5	6	7	7	8
47	6721	6730	6739	6749	6758	6767	6776	6785	6794	6803	1	2	3	4	5	5	6	7	8
48	6812	6821	6830	6839	6848	6857	6866	6875	6884	6893	1	2	3	4	4	5	6	7	8
49	6902	6911	6920	6928	6937	6946	6955	6964	6972	6981	1	2	3	4	4	5	6	7	8



LOGARITHMS

0 1 2 3 4 5 6 7 8 9 1 2 3 4 50 6990 6998 7007 7016 7024 7033 7042 7050 7059 7067 1 2 3 3 51 7076 7084 7093 7101 7110 7118 7126 7135 7143 7152 1 2 3 3 52 7160 7168 7177 7185 7193 7202 7210 7218 7226 7235 1 2 2 3 53 7243 7251 7259 7267 7275 7284 7292 7300 7308 7316 1 2 2 3 54 7324 7332 7340 7348 7356 7364 7372 7380 7388 7396 1 2 2 3 55 7404 7412 <td< th=""><th>5 6 4 5</th><th>7 8 9 6 7 8</th></td<>	5 6 4 5	7 8 9 6 7 8
51 7076 7084 7093 7101 7110 7118 7126 7135 7143 7152 1 2 3 3 52 7160 7168 7177 7185 7193 7202 7210 7218 7226 7235 1 2 2 3 53 7243 7251 7259 7267 7275 7284 7292 7300 7308 7316 1 2 2 3 54 7324 7332 7340 7348 7356 7364 7372 7380 7388 7396 1 2 2 3 55 7404 7412 7419 7427 7435 7443 7451 7459 7466 7474 1 2 2 3 56 7482 7490 7497 7505 7513 7520 7528 7536 7543 7551 1 2 2 3 57	1277	6 7 0
52 7160 7168 7177 7185 7193 7202 7210 7218 7226 7235 1 2 2 3 53 7243 7251 7259 7267 7275 7284 7292 7300 7308 7316 1 2 2 3 54 7324 7332 7340 7348 7356 7364 7372 7380 7388 7396 1 2 2 3 55 7404 7412 7419 7427 7435 7443 7451 7459 7466 7474 1 2 2 3 56 7482 7490 7497 7505 7513 7520 7528 7536 7543 7551 1 2 2 3 57 7559 7566 7574 7582 7589 7597 7604 7612 7619 7627 1 2 2 3 58		0 / 0
53 7243 7251 7259 7267 7275 7284 7292 7300 7308 7316 1 2 2 3 54 7324 7332 7340 7348 7356 7364 7372 7380 7388 7396 1 2 2 3 55 7404 7412 7419 7427 7435 7443 7451 7459 7466 7474 1 2 2 3 56 7482 7490 7497 7505 7513 7520 7528 7536 7543 7551 1 2 2 3 57 7559 7566 7574 7582 7589 7597 7604 7612 7619 7627 1 2 2 3 58 7634 7642 7649 7657 7664 7672 7679 7686 7694 7701 1 1 2 3 59	4 5	6 7 8
54 7324 7332 7340 7348 7356 7364 7372 7380 7388 7396 1 2 2 3 55 7404 7412 7419 7427 7435 7443 7451 7459 7466 7474 1 2 2 3 56 7482 7490 7497 7505 7513 7520 7528 7536 7543 7551 1 2 2 3 57 7559 7566 7574 7582 7589 7597 7604 7612 7619 7627 1 2 2 3 58 7634 7642 7649 7657 7664 7672 7679 7686 7694 7701 1 1 2 3 59 7709 7716 7723 7731 7738 7745 7752 7760 7767 7774 1 1 2 3 60	4 5	6 7 7
55 7404 7412 7419 7427 7435 7443 7451 7459 7466 7474 1 2 2 3 56 7482 7490 7497 7505 7513 7520 7528 7536 7543 7551 1 2 2 3 57 7559 7566 7574 7582 7589 7597 7604 7612 7619 7627 1 2 2 3 58 7634 7642 7649 7657 7664 7672 7679 7686 7694 7701 1 1 2 3 59 7709 7716 7723 7731 7738 7745 7752 7760 7767 7774 1 1 2 3 60 7782 7789 7796 7803 7810 7818 7825 7832 7839 7846 1 1 2 3 61	4 5	6 6 7
56 7482 7490 7497 7505 7513 7520 7528 7536 7543 7551 1 2 2 3 57 7559 7566 7574 7582 7589 7597 7604 7612 7619 7627 1 2 2 3 58 7634 7642 7649 7657 7664 7672 7679 7686 7694 7701 1 1 2 3 59 7709 7716 7723 7731 7738 7745 7752 7760 7767 7774 1 1 2 3 60 7782 7789 7796 7803 7810 7818 7825 7832 7839 7846 1 1 2 3 61 7853 7860 7868 7875 7882 7889 7896 7903 7910 7917 1 1 2 3	4 5	6 6 7
57 7559 7566 7574 7582 7589 7597 7604 7612 7619 7627 1 2 2 3 58 7634 7642 7649 7657 7664 7672 7679 7686 7694 7701 1 1 2 3 59 7709 7716 7723 7731 7738 7745 7752 7760 7767 7774 1 1 2 3 60 7782 7789 7796 7803 7810 7818 7825 7832 7839 7846 1 1 2 3 61 7853 7860 7868 7875 7882 7889 7896 7903 7910 7917 1 1 2 3	4 5	5 6 7
58 7634 7642 7649 7657 7664 7672 7679 7686 7694 7701 1 1 2 3 59 7709 7716 7723 7731 7738 7745 7752 7760 7767 7774 1 1 2 3 60 7782 7789 7796 7803 7810 7818 7825 7832 7839 7846 1 1 2 3 61 7853 7860 7868 7875 7882 7889 7896 7903 7910 7917 1 1 2 3	4 5	5 6 7
59 7709 7716 7723 7731 7738 7745 7752 7760 7767 7774 1 1 2 3 60 7782 7789 7796 7803 7810 7818 7825 7832 7839 7846 1 1 2 3 61 7853 7860 7868 7875 7882 7889 7896 7903 7910 7917 1 1 2 3	4 5	5 6 7
60 7782 7789 7796 7803 7810 7818 7825 7832 7839 7846 1 1 2 3 61 7853 7860 7868 7875 7882 7889 7896 7903 7910 7917 1 1 2 3	4 4	5 6 7
61 7853 7860 7868 7875 7882 7889 7896 7903 7910 7917 1 1 2 3	4 4	5 6 7
Pende Manager Administration (Manager Opposite Apparent Contract Description Contract Descr	4 4	5 6 6
	4 4	5 6 6
62 7924 7931 7938 7945 7952 7959 7966 7973 7980 7987 1	3 4	5 6 6
63 7993 8000 8007 8014 8021 8028 8035 8041 8048 8055 1 1 2 3	3 4	5 5 6
64 8062 8069 8075 8082 8089 8096 8102 8109 8116 8122 1	3 4	5 5 6
65 8129 8136 8142 8149 8156 8162 8169 8176 8182 8189 1 1 2 3	3 4	5 5 6
66 8195 8202 8209 8215 8222 8228 8235 8241 8248 8254 1 1 2 3	3 4	5 5 6
67 8261 8267 8274 8280 8287 8293 8299 8306 8312 8319 1 1 2 3	3 4	5 5 6
68 8325 8331 8338 8344 8351 8357 8363 8370 8376 8382 1 1 2 3	3 4	4 5 6
69 8388 8395 8401 8407 8414 8420 8426 8432 8439 8445 1 1 2 2	3 4	4 5 6
70 8451 8457 8463 8470 8476 8482 8488 8494 8500 8506 1 1 2 2	3 4	4 5 6
71 8513 8519 8525 8531 8537 8543 8549 8555 8561 8567 1	3 4	4 5 5
72 8573 8579 8585 8591 8597 8603 8609 8615 8621 8627 1	3 4	4 5 5
73 8633 8639 8645 8651 8657 8663 8669 8675 8681 8686 1 1 2 2	3 4	4 5 5
74 8692 8698 8704 8710 8716 8722 8727 8733 8739 8745 1 1 2 2	3 4	4 5 5
75 8751 8756 8762 8768 8774 8779 8785 8791 8797 8802 1 1 2 2	3 3	4 5 5
76 8808 8814 8820 8825 8831 8837 8842 8848 8854 8859 1 1 2 2	3 3	4 5 5
77 8865 8871 8876 8882 8887 8893 8899 8904 8910 8915 1 1 2 2	3 3	4 4 5
78 8921 8927 8932 8938 8943 8949 8954 8960 8965 8971 1 1 2 2	3 3	4 4 5
79 8976 8982 8987 8993 8998 9004 9009 9015 9020 9025 1 1 2 2	3 3	4 4 5
80 9031 9036 9042 9047 9053 9058 9063 9069 9074 9079 1 1 2 2	3 3	4 4 5
81 9085 9090 9096 9101 9106 9112 9117 9122 9128 9133 1	3 3	4 4 5
82 9138 9143 9149 9154 9159 9165 9170 9175 9180 9186 1 1 2 2	3 3	4 4 5
83 9191 9196 9201 9206 9212 9217 9222 9227 9232 9238 1	3 3	4 4 5
84 9243 9248 9253 9258 9263 9269 9274 9279 9284 9289 1 1 2 2	3 3	4 4 5
85 9294 9299 9304 9309 9315 9320 9325 9330 9335 9340 1 1 2 2	3 3	4 4 5
86 9345 9350 9355 9360 9365 9370 9375 9380 9385 9390 1 1 2 2	3 3	4 4 5
87 9395 9400 9405 9410 9415 9420 9425 9430 9435 9440 0 1 1 2	2 3	3 4 4
88 9445 9450 9455 9460 9465 9469 9474 9479 9484 9489 0 1 1 2	2 3	3 4 4
89 9494 9499 9504 9509 9513 9518 9523 9528 9533 9538 0 1 1 2	2 3	3 4 4
90 9542 9547 9552 9557 9562 9566 9571 9576 9581 9586 0 1 1 2	2 3	3 4 4
91 9590 9595 9600 9605 9609 9614 9619 9624 9628 9633 0 1 1 2	2 3	3 4 4
92 9638 9643 9647 9652 9657 9661 9666 9671 9675 9680 0 1 1 2	2 3	3 4 4
93 9685 9689 9694 9699 9703 9708 9713 9717 9722 9727 0 1 1 2	2 3	3 4 4
94 9731 9736 9741 9745 9750 9754 9759 9763 9768 9773 0 1 1 2	2 3	3 4 4
95 9777 9782 9786 9791 9795 9800 9805 9809 9814 9818 0 1 1 2	2 3	3 4 4
96 9823 9827 9832 9836 9841 9845 9850 9854 9859 9863 0 1 1 2	2 3	3 4 4
97 9868 9872 9877 9881 9886 9890 9894 9899 9903 9908 0 1 1 2	2 3	3 4 4
98 9912 9917 9921 9926 9930 9934 9939 9943 9948 9952 0 1 1 2	2 3	3 4 4
99 9956 9961 9965 9969 9974 9978 9983 9987 9991 9996 0 1 1 2	2 3	3 3 4



ANTILOGARITHMS

	0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
0.00	1000	1002	1005	1007	1009	1012	1014	1016	1019	1021	0	0	1	1	1	1	2	2	2
0.01	1023	1026	1028	1030	1033	1035	1038	1040	1042	1045	0	0	1	1	1	1	2	2	2
0.02	1047	1050	1052	1054	1057	1059	1062	1064	1067	1069	0	0	1	1	1	1	2	2	2
0.03	1072	1074	1076	1079	1081	1084	1086	1089	1091	1094	0	0	1	1	1	1	2	2	2
0.04	1096	1099	1102	1104	1107	1109	1112	1114	1117	1119	0	1	1	1	1	2	2	2	2
0.05	1122	1125	1127	1130	1132	1135	1138	1140	1143	1146	0	1	1	1	1	2	2	2	2
0.06	1148	1151	1153	1156	1159	1161	1164	1167	1169	1172	0	1	1	1	1	2	2	2	2
0.07	1175	1178	1180	1183	1186	1189	1191	1194	1197	1199	0	1	1	1	1	2	2	2	2
0.08	1202	1205	1208	1211	1213	1216	1219	1222	1225	1227	0	1	1	1	1	2	2	2	3
0.09	1230	1233	1236	1239	1242	1245	1247	1250	1253	1256	0	1	1	1	1	2	2	2	3
0.10	1259	1262	1265	1268	1271	1274	1276	1279	1282	1285	0	1	1	1	1	2	2	2	3
0.11	1288	1291	1294	1297	1300	1303	1306	1309	1312	1315	0	1	1	1	2	2	2	2	3
0.12	1318	1321	1324	1327	1330	1334	1337	1340	1343	1346	0	1	1	1	2	2	2	2	3
0.13	1349	1352	1355	1358	1361	1365	1368	1371	1374	1377	0	1	1	1	2	2	2	3	3
0.14	1380	1384	1387	1390	1393	1396	1400	1403	1406	1409	0	1	1	1	2	2	2	3	3
0.15	1413	1416	1419	1422	1426	1429	1432	1435	1439	1442	0	1	1	1	2	2	2	3	3
0.16	1445	1449	1452	1455	1459	1462	1466	1469	1472	1476	0	1	1	1	2	2	2	3	3
0.17	1479	1483	1486	1489	1493	1496	1500	1503	1507	1510	0	1	1	1	2	2	2	3	3
0.18	1514	1517	1521	1524	1528	1531	1535	1538	1542	1545	0	1	1	1	2	2	2	3	3
0.19	1549	1552	1556	1560	1563	1567	1570	1574	1578	1581	0	1	1	1	2	2	3	3	3
0.20	1585	1589	1592	1596	1600	1603	1607	1611	1614	1618	0	1	1	1	2	2	3	3	3
0.21	1622	1626	1629	1633	1637	1641	1644	1648	1652	1656	0	1	1	2	2	2	3	3	3
0.22	1660	1663	1667	1671	1675	1679	1683	1687	1690	1694	0	1	1	2	2	2	3	3	3
0.23	1698	1702	1706	1710	1714	1718	1722	1726	1730	1734	0	1	1	2	2	2	3	3	4
0.24	1738	1742	1746	1750	1754	1758	1762	1766	1770	1774	0	1	1	2	2	2	3	3	4
0.25	1778	1782	1786	1791	1795	1799	1803	1807	1811	1816	0	1	1	2	2	2	3	3	4
0.26	1820	1824	1828	1832	1837	1841	1845	1849	1854	1858	0	1	1	2	2	3	3	3	4
0.27	1862	1866	1871	1875	1879	1884	1888	1892	1897	1901	0	1	1	2	2	3	3	3	4
0.28	1905	1910	1914	1919	1923	1928	1932	1936	1941	1945	0	1	1	2	2	3	3	4	4
0.29	1950	1954	1959	1963	1968	1972	1977	1982	1986	1991	0	1	1	2	2	3	3	4	4
0.30	1995	2000	2004	2009	2014	2018	2023	2028	2032	2037	0	1	1	2	2	3	3	4	4
0.31	2042	2046	2051	2056	2061	2065	2070	2075	2080	2084	0	1	1	2	2	3	3	4	4
0.32	2089	2094	2099	2104	2109	2113	2118	2123	2128	2133	0	1	1	2	2	3	3	4	4
0.33	2138	2143	2148	2153	2158	2163	2168	2173	2178	2183	0	1	1	2	2	3	3	4	4
0.34	2188	2193	2198	2203	2208	2213	2218	2223	2228	2234	1	1	2	2	3	3	4	4	5
0.35	2239	2244	2249	2254	2259	2265	2270	2275	2280	2286	1	1	2	2	3	3	4	4	5
0.36	2291	2296	2301	2307	2312	2317	2323	2328	2333	2339	1	1	2	2	3	3	4	4	5
0.37	2344	2350	2355	2360	2366	2371	2377	2382	2388	2393	1	1	2	2	3	3	4	4	5
0.38	2399	2404	2410	2415	2421	2427	2432	2438	2443	2449	1	1	2	2	3	3	4	4	5
0.39	2455	2460	2466	2472	2477	2483	2489	2495	2500	2506	1	1	2	2	3	3	4	5	5
0.40	2512	2518	2523	2529	2535	2541	2547	2553	2559	2564	1	1	2	2	3	4	4	5	5
0.41	2570	2576	2582	2588	2594	2600	2606	2612	2618	2624	1	1	2	2	3	4	4	5	5
0.42	2630	2636	2642	2649	2655	2661	2667	2673	2679	2685	1	1	2	2	3	4	4	5	6
0.43	2692	2698	2704	2710	2716	2723	2729	2735	2742	2748	1	1	2	3	3	4	4	5	6
0.44	2754	2761	2767	2773	2780	2786	2793	2799	2805	2812	1	1	2	3	3	4	4	5	6
0.45	2818	2825	2831	2838	2844	2851	2858	2864	2871	2877	1	1	2	3	3	4	5	5	6
0.46	2884	2891	2897	2904	2911	2917	2924	2931	2938	2944	1	1	2	3	3	4	5	5	6
0.47	2951	2958	2965	2972	2979	2985	2992	2999	3006	3013	1	1	2	3	3	4	5	5	6
0.48	3020	3027	3034	3041	3048	3055	3062	3069	3076	3083	1	1	2	3	4	4	5	6	6
0.49	3090	3097	3105	3112	3119	3126	3133	3141	3148	3155	1	1	2	3	4	4	5	6	6



ANTILOGARITHMS

0.56		0	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	•
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PROVISIONAL KEY MH CET 2015 (200 Questions)

Sr.No	KEY					
1	С					
2	В					
3	В					
4	D					
5	В					
6	В					
7	D					
8	D					
9	D					
10	В					
11	С					
12	D					
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14	В					
15	В					
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21	А					
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23	В					
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	H CET 20
Sr.No	KEY
26	Α
27	В
28	В
29	D
30	В
31	D
32	А
33	С
34	С
35	В
36	С
37	D
38	В
39	D
40	Α
41	D
42	Α
43	С
44	В
45	D
46	D
47	В
48	D
49	С
50	С

Sr.No	KEY
51	D
52	А
53	А
54	С
55	С
56	С
57	С
58	А
59	В
60	В
61	Α
62	Α
63	Α
64	В
65	В
66	В
67	С
68	С
69	Α
70	С
71	D
72	С
73	D
74	В
75	D

Sr.No	KEY
76	В
77	Α
78	С
79	Α
80	В
81	В
82	В
83	D
84	В
85	Α
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88	D
89	С
90	Α
91	С
92	С
93	В
94	Α
95	С
96	D
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100	В

PROVISIONAL KEY MH CET 2015 (200 Questions)

Sr.No	KEY
101	В
102	D
103	В
104	С
105	В
106	D
107	С
108	В
109	D
110	Α
111	В
112	Α
113	С
114	Α
115	С
116	D
117	А
118	D
119	С
120	В
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124	А
125	С

MH CET 20		
Sr.No	KEY	
126	D	
127	С	
128	Α	
129	D	
130	Α	
131	С	
132	В	
133	D	
134	А	
135	С	
136	D	
137	Α	
138	D	
139	Α	
140	С	
141	В	
142	D	
143	Α	
144	В	
145	А	
146	С	
147	Α	
148	В	
149	С	
150	В	

Sr.No	ΚΈΥ
151	Α
152	С
153	D
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163	D
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168	С
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170	В
171	В
172	А
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Sr.No	KEY
176	В
177	Α
178	С
179	Α
180	D
181	D
182	Α
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185	Α
186	В
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189	В
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193	С
194	D
195	Α
196	D
197	D
198	С
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