

Branch Office : 265-A, Lajpat Nagar, Opp. Mission Hospital, Jalandhar

# **RAISE 2020**

(Reynott Academics and Intelligence Scholarship Examination)

# SAMPLE PAPER

Class - 12th (NEET)

Syllabus of the Test : Physics, Chemistry & Biology of Class 11th

Time : 2 Hrs.

### **GENERAL INSTRUCTIONS :**

MM : 480

- 1. All questions are compulsory.
- 2. Blank paper, clipboard, log tables, calculators, cellular phones and electronic gadgets in any form are not allowed inside the examination hall.
- 3. Use only Black/Blue Ball Pen for filling the OMR. Do not use Gel/ Ink/ Felt pen as it might smudge the OMR.
- 4. For each right answer you will be **awarded 4 marks** if you darken the bubble corresponding to the correct answer and zero marks if no bubble is darkened. In case of bubbling of incorrect answer, **NO NEGATIVE MARK** will be awarded.
- 5. This Question Paper consists of 90 questions. Please check before starting to attempt. The question paper consists of five Sections, Section-A (Physics: 1 to 30), Section-B (Chemistry: 31 to 60), Section-C (Botany : 61 to 90), Section-D (Zoology : 91 to 120).

	SECTION-A (PHYSICS)							
1.	The unit of Planck's constant is							
	(A) Joule	(B) Joule/s						
	(C) Joule/m	(D) Joule-s						
2.	Dimensions of potential energy are							
	(A) MLT <sup>-1</sup>	(B) ML <sup>2</sup> T <sup>-2</sup>						
	(C) ML <sup>-1</sup> T <sup>-2</sup>	(D) ML <sup>-1</sup> T <sup>-1</sup>						
3.	Which of the two have same dimensions							
	(A) Force and strain	(B) Force and stress						
	(C) Angular velocity and frequency	(D) Energy and strain						
4.	A physical quantity x depends on quantities y and z as follows: x = Ay + B tan (Cz), where A, B and C are constants. Which of the following do not have the same dimensions							
	(A) x and B	(B) C and $z^{-1}$						
	(C) y and B/A	(D) x and A						
5.	A particle moves along x-axis in such a way that its co	ordinate x varies with time t according to the						
	equation $x = (2 - 5t + 6t^2)$ m. The initial velocity of the p	article is						
	(A) – 5 m/s	(B) 6 m/s						
	(C) – 3 m/s	(D) 3 m/s						
6.	When a particle moves with uniform velocity, which of the	ne following relations are correct						
	<ul><li>(I) Average speed = average velocity</li></ul>							
	(II) Instantaneous speed = instantaneous velocity							
	(III) Distance covered = magnitude of displacement							
	(A) I, II, III	(B) I, II						
	(C) II, III	(D) I, III						

## Class-11<sup>th</sup> Studying Moving to Class-12<sup>th</sup> (NEET)

#### Sample Paper for RAISE - 2020





### Class-11<sup>th</sup> Studying Moving to Class-12<sup>th</sup> (NEET)

#### Sample Paper for RAISE - 2020



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#### Sample Paper for RAISE - 2020 Class-11<sup>th</sup> Studying Moving to Class-12<sup>th</sup> (NEET) A body is lifted over route I and route II such that force is always tangent to the path. Coefficient of friction 27. is same for both the paths. Work done (A) On both routes is same (B) On route I is more (C) On route II is more (D) On both routes is zero The force on a particle varies as $F = \frac{9}{x^2}$ . The work done in displacing the particle from x = 1 to x = 3 is 28. (A) 4 J (B) 3J (C) 5 J (D) 6 J The displacement x of a particle of mass m kg moving in one dimension, under the action of a force, is 29. related to the time t by the equation $t = \sqrt{x+3}$ where x is in metres and t is in seconds. The work done by the force in the first six second in joules is (A) 0 (B) 3m (C) 6m (D) 9m The velocity of a particle moving along a line varies with distance as $y = a\sqrt{x}$ where a is a constant. The 30. work done by all forces when the particle moves from x = 0 to x = L (metre) is (mass of the particle is m) (A) 0 (B) $ma^{2}L$ (D) $\frac{1}{3}$ maL (C) $\frac{1}{2}$ ma<sup>2</sup>L SECTION-B (CHEMISTRY) 31. Which of the following compound does not follow octet rule? $(A) CO_{2}$ (B) PCl<sub>a</sub> (C) ICI (D) CIF<sub>3</sub>. 32. When two atoms combine to form a molecule (A) energy released (B) energy absorbed (C) energy is neither released nor absorbed (D) energy may either absorbed or released Lattice energy of an ionic compound depends upon 33. (A) Charge on the ion and size of the ion (B) Packing of ions only (C) Size of the ion only (D) Charge on the ion only Which of the following have been arranged in increasing order of bond order as well as bond dissociation 34. energy? (A) $O_2^{-2} < O_2^{-1} < O_2^{+1} < O_2^{-1}$ (B) $O_2^{-2} < O_2^{-1} < O_2 < O_2^{+1}$ (C) $O_2 < O_2^+ < O_2^{2-} < O_2^{-1}$ (D) $O_2^+ < O_2^{2-} < O_2^- < O_2^-$ 35. Combination of two AO's lead to the formation of (A) two MO's (B) one MO (C) three MO's (D) four MO's 36. Consider following acid $\mathsf{CICH}_2\mathsf{COOH},\quad\mathsf{CH}_3\mathsf{COOH},\,\mathsf{CH}_3\mathsf{CH}_2\mathsf{COOH}$ Π Ш I Correct order of theIr pH value. (A) III < II < I (B) I < II < III (C) I < III < II (D) II < I < III

37.	When 2 g of a gas 'A' is introduced into an evacuated flask kept at 25°C, the pressure is found to be 1 atm. If 3 g of another gas 'B' is then added to the same flask, the total pressure becomes 1.5 atm. Assuming ideal gas behaviour, calculate the ratio of molar masses $M_A : M_B$							
	(A) 1:3	(B) 1:4						
	(C) 4 : 1	(D) 3:1						
38.	380 mL of a gas at 27°C, 800 mm of Hg weights 0.455	30 mL of a gas at 27°C, 800 mm of Hg weights 0.455 g. The mol. wt. of gas is :						
	(A) 27	(B) 28						
	(C) 29	(D) 30						
39.	KE per unit volume of an ideal gas is							
	(A) $\frac{3P}{2}$	(B) $\frac{3}{2}$ (RT)						
	(C) $\frac{3}{2}\left(\frac{RN}{N_0}\right)$	(D) $\frac{3}{2}\left(\frac{\text{RT}}{\text{N}}\right)$						
40.	$IP_2$ for an element is invariably higher than $IP_1$ because							
	(A) The size of cation is smaller than its atoms	(B) It is difficult to remove e from cation						
	(C) Effective nuclear charge is more for cation	(D) All the above						
41.	The electron affinity order for halogen is							
	(A) F < Cl < Br < l	(B) F > Cl < Br < l						
	(C) F < Cl > Br > l	(D) F > Cl > Br > l						
42.	The size of ionic species is correctly given in the order							
	(A) Cl <sup>7+</sup> > Si <sup>4+</sup> > Mg <sup>2+</sup> > Na <sup>+</sup>	(B) Na⁺ > Mg²⁺ > Si⁴⁺ > Cl <sup>7</sup> ⁺						
	(C) Na <sup>+</sup> > Mg <sup>2+</sup> > Cl <sup>7+</sup> > Si <sup>4+</sup>	(D) Cl <sup>7+</sup> > Na⁺ > Mg <sup>3+</sup> > Si <sup>4+</sup>						
43.	What is the correct order of electronegativity							
	(A) $M^{+1} < M^{+2} < M^{+3} < M^{+4}$ (C) $M^{+1} < M^{+2} > M^{+3} < M^{+4}$	(B) $M^{+1} > M^{+2} > M^{+3} > M^{+4}$ (D) $M^{+4} < M^{+2} < M^{+3} < M^{+1}$						
44.	Among LiCl, BeCl <sub>2</sub> , BCl <sub>3</sub> and CCl <sub>4</sub> the covalent bond ch							
	(A) LiCl > BeCl <sub>2</sub> > BCl <sub>3</sub> > CCl <sub>4</sub>	(B) LiCl < BeCl <sub>2</sub> < BCl <sub>3</sub> < CCl <sub>4</sub>						
	(C) LiCl > BeCl <sub>2</sub> > CCl <sub>4</sub> > BCl <sub>3</sub>	(D) $\operatorname{BeCl}_2 > \operatorname{LiCl} > \operatorname{BCl}_3 > \operatorname{CCl}_4$						
45.	The IUPAC name of the compound $CH_3CH = CHCH = 0$	2 0 7						
_	(A) 4,6-octadiene-2-yne	(B) 2, 4-octadiene-6-yne						
	(C) 2-octyn-4, 6-diene	(D) 6-octyn-2, 4-diene						
46.	0.5 mole of $H_2SO_4$ is mixed with 0.2 mole of Ca ( formed is	$(OH)_2$ . The maximum number of moles of CaSO <sub>4</sub>						
	(A) 0.2	(B) 0.5						
	(C) 0.4	(D) 1.5						
47.	The vapour density of gas A is four times that of B. of A is	If molecular mass of B is M, then molecular mass						
	(A) M	(B) 4M						
	(C) $\frac{M}{4}$	(D) 2M						

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48.	Total no. of atoms in 44 gm of $CO_2$ is	
	(A) $6.02 \times 10^{23}$	(B) $6.02 \times 10^{24}$
	(C) $1.806 \times 10^{24}$	(D) 18.06 × 10 <sup>22</sup>
19.	The mass of 70% pure H <sub>2</sub> SO <sub>4</sub> required for neutral	lisation of 1 mol of NaOH
	(A) 49 gm	(B) 98 gm
	(C) 70 gm	(D) 34.3 gm
50.	How many moles of magnesium phosphate, Mg <sub>3</sub> (PO	<sub>4</sub> ) <sub>2</sub> will contain 0.25 mole of oxygen atoms?
	(A) 3.125 × 10 <sup>−2</sup>	(B) 1.25 × 10 <sup>−2</sup>
	(C) $2.5 \times 10^{-2}$	(D) 0.02
51.	The IUPAC name of the structure is:	
	$H_2N - CH - CH - CHO$	
	- I I HOOC COOH	
		(P) 2 amino 2 2 disarboy propagal
	(A) 3-amino-2-formyl butane-1, 4-dioic acid	(B) 3-amino-2, 3-dicarboxy propanal
:0	(C) 2-amino-3-formyl butane-1, 4-dioic acid	(D) 1-amino-2-formyl succinic acid
52.	Steam distillation is a better method of purification	
	(A) Liquids	(B) Steam volatile
<b>`</b> 2	(C) Non-volatile	(D) Miscible with water
53.	In which orbit of the hydrogen atom is the speed of the $(A)$ $n = 2$	
	(A) n = 2 (C) n = 3	(B) n = 1 (D) n = 4
54.	For an electron, the product vn (velocity × principal qu	
<i>)</i> <del>,</del>	<ul><li>(A) principal quantum number</li></ul>	(B) velocity of the electron
	(C) energy of the electron	(D) frequency of its revolution
55.	The number of electrons in sulphur atom having n + I	
	(A) 2	(B) 4
	(C) 6	(D) 8
56.	The orbital angular momentum of an electron in 2s-or	
	(A) h/4p	(B) zero
	(C) h/2p	(D) $\sqrt{2h} / 2\pi$
57.		nydrogen to the electron in first excited state of Be <sup>+3</sup> is
	(A) 4:1	(B) 1:4
	(C) 1:8	(D) 8:1
58.	Heterolytic fission of carbon-chlorine bond produce	es:
	(A) two free radicals	(B) two carbonium ions
	(C) two carbonions	(D) one cation and one anion
59.	The energy of a photon having wavelength 700 nm is	
	(A) 1.77 eV	(B) 2.47 eV
	(C) 700 eV	(D) 3.57 eV
50.	The law of conservation of mass holds good for al	
	(A) All chemical reactions	(B) Nuclear reactions
	(C) Endothermic reactions.	(D) Exothermic reactions.

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	SECTION-C	(BOTANY)							
61.	Mannitol is the stored food in								
	(A) Chara	(B) Poryphyra							
	(C) Fucus	(D) Gracillaria							
62.	Bryophytes are called amphibians of plant kingdom because								
	(A) They need a layer of water for reproduction	(B) They are found in mostly aquatic condition							
	(C) They have vascular tissues	(D) All of these							
63.	In the five kingdom classification, Chlamydomonas a	and Chlorella have been included in							
	(A) Protista	(B) Algae							
	(C) Plantae	(D) Monera							
64.	An alga which can be employed as food for human being is								
	(A) Ulothrix	(B) Chlorella							
	(C) Spirogyra	(D) Polysiphonia							
65.	The basic unit of classification is								
	(A) Species	(B) Genus							
	(C) Family	(D) Phylum							
66.	The photosynthetic or assimilatory roots are observe	ed in							
	(A) Banyan	(B) Vanda							
	(C) Cuscuta	(D) Tinospora							
67.	A horizontal underground stem is a								
	(A) Corm	(B) Phylloclade							
	(C) Rhizome	(D) Rhizoid							
68.	An example of false fruit is								
	(A) Apple	(B) Banana							
	(C) Grapes	(D) Mango							
69.	Stems modified into flat green organs performing the	e function of leaves are known as							
	(A) Cladodes	(B) Phyllodes							
	(C) Phylloclades	(D) Scales							
70.	Which of the following is made up of dead cells?								
	(A) Collenchyma	(B) Phellem							
	(C) Phloem	(D) Xylem parenchyma							
71.	Cell drinking is								
	(A) Exocytosis	(B) Pinocytosis							
	(C) Phagocytosis	(D) None of these							
72.	A cell swells up when kept in								
	(A) Isotonic solution	(B) Hypertonic solution							
	(C) Hypotonic solution	(D) Any of these							
73.	Cell theory was proposed by								
	(A) Virchow	(B) Schleiden and schwann							
	(C) Robert Hooke	(D) B. Mc Clintock							
74.	Plasmodesmata are								
	(A) Lignified cedmented layers between cells								
	(B) Locomotory structures								
	(C) Membranes connecting the nucleus and plamalemma								
	(D) Connections between adjacent cells								

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75.	Middle lamella is mainly composed of		
	(A) Hemicellulose	(B)	Muramic acid
	(C) Calcium pectate	(D)	Phosphoglycerides
76.	Acid hydrolases are found in		
	(A) Golgi body	(B)	ER
	(C) Lysosomes	(D)	Vacuole
77.	The phenomenon of plasmolysis is evedent when cells a	re ke	ept in
	(A) Hypotonic solution	(B)	Hypertonic solution
	(C) Isotonic solution	(D)	None of these
78.	Which of these is wrongly matched?		
	(A) Chloroplasts - chlorophyll	(B)	Elaioplasts - starch
	(C) Chromoplats - carotenoids	. ,	Amyloplasts - carbohydrates
	(E) Aleuroplasts - proteins	( )	
79.	Cell theory is not applicable for		
-	(A) Bacteria	(B)	Fungus
	(C) Algae	. ,	Virus
80.	Cells divide and new cells are formed from pre-existing c	• •	
	(A) Malthias schleiden		Theodore schwann
	(C) Malthias schleiden & T. Schwann	. ,	Rudolf Virchow
81.	Na⁺\K⁺ pump in a cell is an example of	(-)	
•	(A) Osmosis	(B)	Diffusion
	(C) Passive transport		Active transport
82.	Term plasmalemma was given by	(-)	
02.	(A) Strasburger	(B)	Plowe
	(C) Hooke	• •	Robertson
83.	Spindle fibres are made up of	(=)	
00.	(A) Tubulin	(B)	Humulin
	(C) Intermediate filament	. ,	Flagellin
84.	Main protein of mitotic spindle fibres is	(-)	
•	(A) Tubulin	(B)	Myosin
	(C) Tropomyosin		Dynein
85.	Crossing over occurs in	(0)	Dynom
00.	(A) Zygotene	(R)	Leptotene
	(C) Pachytene		Deplotene
86.	In Meiosis, the chromosomes replicate during	(U)	Depioterie
00.	(A) Prophase	(B)	Metaphase
	(C) Anaphase		Interphase
97		. ,	·
87.	Chromosomes are visible with chromatids at one of the fo		
	(A) Interphase		Prophase
00	(C) Metaphase	(U)	Anaphase
88.	Synapsis occurs between	<ul><li>(ח)</li></ul>	mDNA and riboon
	(A) A male and a female gamete	. ,	mRNA and ribosomes
	(C) Spindle fibres and centromere	(U)	Two homologous chromosomes

89.	Variations appear during meiosis due to	
	(1) Independent assortment	
	(2) Crossing over	
	(3) Linkage	
	(4) Glycolysis	
	(A) 1, 2 and 3 are correct	(B) 1 and 2 are correct
	(C) 2 and 4 are correct	(D) 1 and 3 are correct
90.	Mitosis is	
	(1) Reduction in chromosome number	
	(2) Karyokinesis	
	(3) Formation of four daughter nuclei	
	(4) Cytokinesis	
	(A) 1, 2 and 3 are correct	(B) 1 and 2 are correct
	(C) 2 and 4 are correct	(D) 1 and 3 are correct
	SECTION-D (ZC	OLOGY)
91.	In some animal groups, the body is found divided into com This characteristic feature is named	partments with at least some organs/ organ repeate(D)
	(A) Segmentation	(B) Metamerism
	(C) Metagenesis	(D) Metamorphosis
92.	Which one of the following sets of animals share a four of	chambered heart?
	(A) Amphibian, Reptiles, Birds	(B) Crocodiles, Birds, Mammals
	(C) Crocodiles, Lizards, Turtles	(D) Lizards, Mammals, Birds
93.	Which one of the following sets of animals belong to a s	ingle taxonomic group?
	(A) Cuttlefish, Jellyfish, Silverfish, Dogfish, Starfish	(B) Bat, Pigeon, Butterfly
	(C) Monkey, Chimpanzee, Man	(D) Silkworm, Tapeworm, Earthworm
94.	Which one of the following is oviparous?	
	(A) Platypus	(B) Flying fox (Bat)
	(C) Elephant	(D) Whale
95.	Body cavity is the cavity present between body wall and by mesoderm. Such animals are called	gut wall. In some animals the body cavity is not lined
	(A) Acoelomate	(B) Pseudocoelomate
	(C) Coelomate	(D) Haemocoelomate
96.	Match the column A with column B and choose the corr	rect option
	Column A	Column B
	A. Porifera	i. Canal system
	B. Aschelminthes	ii. Water-vascular system
	C. Annelida	iii. Muscular Pharynx
	D. Arthropoda	iv. Jointed appendages
	E. Echinodermata	v. Metameres
	(A) A-ii, B-iii, C-v, D-iv, E-i	(B) A-ii, B-v, C-iii, D-iv, E-i
	(C) A-i, B-iii, C-v, D-iv, E-ii	(D) A-i, B-v, C-iii, D-iv, E-ii

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97.	Which one of the following types of cell is involved in mal	king	of the inner walls of large blood vessels?
	(A) Cuboidal epithelium	(B)	Columnar epithelium
	(C) Squamous epithelium	(D)	stratified epithelium
98.	Which one of the following is not a connective tissue?		
	(A) Bone	(B)	Cartilage
	(C) Blood	(D)	Muscles
99.	Setae help in locomotion in earthworm but not uniform following that represents setae.	nly p	present in all the segments. Select among the
	(A) 1 <sup>st</sup> segment	(B)	Last segment
	(C) Clitellar segment	(D)	20th - 22nd segment
100.	Which one of the following statements is true for cockroa	ach?	
	(A) The number of ovarioles in each ovary are ten.	(B)	The larval stage is called caterpillar
	(C) Anal styles are absent in females	(D)	They are ureotelic
101.	Match the following with reference to Cockroch and choo	ose t	he correct option
	A. Phallomere	i.	Chain of developing ova
	B. Gonopore	ii.	Bundles of sperm
	C. Spermatophore	iii.	Opening of the ejaculatory dust
	D. Ovarioles	iv.	The external genitalia
	Options:		
	(A) A-iii, B-iv, C-ii, D-i	(B)	A-iv, B-iii, C-ii, D-i
	(C) A-iv, B-ii, C-iii, D-i	(D)	A-ii, B-iv, C-iii, D-i
102.	Match the followings and choose the correct answer		
	A. Touch	i.	Nasal epithelium
	B. Smell	ii.	Foramen magnum
	C. Cranial nerves	iii.	Sensory papillae
	D. Medulla oblongata	iv.	Peripheral nervous system
	Options:		
	(A) A-iii, B-i, C-ii, D-iv	(B)	A-ii, B-i, C-iv, D-iii
	(C) A-iii, B-iv, C-ii, D-i	(D)	A-iii, B-i, C-iv, D-ii
103.	Many elements are found in living organisms either free or found in living organisms.	in th	e form of compounds. One of the following is not,
	(A) Silicon	(B)	Magnesium
	(C) Iron	(D)	Sodium
104.	When we homogenise any tissue in an acid the acid solu	uble	pool represents
	(A) Cytoplasm	(B)	Cell membrane
	(C) Nucleus	(D)	Mitochondria
105.	The most abundant chemical in living organisms could be	е	
	(A) Protein	(B)	Water
	(C) Sugar	(D)	Nucleic acid
106.	A homopolymer has only one type of building block called m has more than one type of monomer. Proteins are heter like DNA or RNA is made of only 4 types of nucleotide m	opoly	mers made of aminoacids. While a nucleic acid
	(A) 20 types of monomers	(B)	40 types of monomers
	(C) 3 types of monomers	(D)	only one type of monomer

Class-1	1" Studying Moving to Class-12" (NEET)	Sample Pa	aper for RAISE - 2020
107.	Glycogen is a homopolymer made of		
	(A) Glucose units	) Galactose units	
	(C) Ribose units	) Aminoacids	
108.	A pure protein should normally have		
	(A) Two ends	) One end	
	(C) Three ends	)No ends	
109.	Select what is not true of intestinal villi among followings		
	(A) They possess microvilli		
	(B) They increase the surface area		
	(C) They are supplied with capillaries and the lacteal ve	S	
	(D) They only participate in digestion of fats		
110.	One of the following is not a common disorder associate	ith digestive system	
	(A) Tetanus	) Diarrhoea	
	(C) Jaundice	) Dysentery	
111.	Match the two columns and select the correct among op	ns given	
	Column I	olumn II	*
	A. Biomacromolecules of food	Alimentary canal and assoc	ciated gland
	B. Human digestive system	Embedded in jawbones.	
	C. Stomach	Outer wall of visceral organ	S
	D. Thecodont	Converted into simple subs	tances
	E. Serosa	J-shaped bag like structure	
	Options:		
	(A) A-ii, B-i, C-v, D-iii, E-iv	) A-iv, B-i, C-v, D-ii, E-iii	
	(C) A-i, B-ii, C-iii, D-iv, E-v	) A-i, B-iii, C-ii, D-iv, E-v	
112.	Match the two columns and select the right one among		
	Column I	blumn II	
	A. Duodenum	A cartilaginous flap	
	B. Epiglottis	Small blind sac	
	C. Glottis	'U' shaped structure emerging	ng from the stomach
	D. Caecum	Opening of wind pipe	
	Options:		
	(A) A-i, B-ii, C-iii, D-iv	) A-iv, B-iii, C-ii, D-i	
	(C) A-iii, B-i, C-iv, D-ii	) A-ii, B-iv, C-i, D-iii	
113.	Liver is the largest gland and is associated with various		ot correct
	(A) Metabolism of carbohydrate	) Digestion of fat	
	(C) Formation of bile	) Secretion of hormone calle	d gastri
114.	Mark the right statement among the following		
	(A) Trypsinogen is an inactive enzyme	) Trypsinogen is secreted by	intestinal mucosa
	(C) Enterokinase is secreted by pancrease	) Bile contains trypsin	
115.	Respiration in insects is called direct because		
	(A) The tissues exchange $O_2/CO_2$ directly with the air in		
	(B) The tissues exchange $O_2/CO_2$ directly with coelomi		
	(C) The tissues exchange $O_2/CO_2$ directly with the air of	de through body surface	
	(D) The least the second seco		section discourses in the second section of the second s

(D) Tracheal tubes exchange  $O_2/CO_2$  directly with the haemocoel which then exchange with tissues

116.	A person suffers punctures in his chest cavity in an accie be	dent, without any damage to the lungs its effect could						
	(A) Reduced breathing rate	(B) Rapid increase in breathing rate						
	(C) No change in respiration	(D) Cessation of breathing						
117.								
	a forced expiration. This quantity of air taken in is							
	(A) Total lung capacity	(B) Tidal volume						
	(C) Vital capacity	(D) Inspiratory capacity						
118.	Incidence of Emphysema – a respiratory disorder is hig	h in cigarette smokers. In such cases						
	(A) The bronchioles are found damaged	(B) The alveolar walls are found damaged						
	(C) The plasma membrane is found damaged	(D) The respiratory muscles are found damaged						
119.	Identify the correct and incorrect match about respiratory	volume and capacities and mark the correct answer						
	i. Inspiratory capacity (IC) = Tidal Volume + Residual	Volume						
	ii. Vital Capacity (VC) = Tidal Volume (TV) + Inspiratory	Reserve Volume (IRV) + Expiratory Reserve Volume						
	(ERV).							
	iii. Residual Volume (RV) = Vital Capacity (VC) – Inspir	atory Reserve Volume (IRV)						
	iv. Tidal Volume (TV) = Inspiratory Capacity (IC) – Inspi	ratory Reserve Volume (IRV)						
	Options:							
	(A) (i) Incorrect, (ii) Incorrect, (iii) Incorrect, (iv) Correct							
	(B) (i) Incorrect, (ii) Correct, (iii) Incorrect, (iv) Correct							
	(C) (i) Correct, (ii) Correct, (iii) Incorrect, (iv) Correct							
	(D) (i) Correct, (ii) Incorrect, (iii) Correct, (iv) Incorrect							
120.	The oxygen - haemoglobin dissociation curve will show	a right shift in case of						
	(A) High pCO <sub>2</sub>	(B) High pO <sub>2</sub>						
	(C) Low $pCO_2$	(D) Less H+ concentration						
	$(\mathcal{O}, \mathcal{O})$							



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# **RAISE 2020**

(Reynott Academics and Intelligence Scholarship Examination)

## SAMPLE PAPER

Class - 12<sup>th</sup> (NEET)

## **ANSWER KEY**

1.	(D)	25.	(A)	49.	(C)	73.	(B)	97.	(C)
2.	(B)	26.	(D)	50.	(A)	74.	(D)	98.	(D)
3.	(C)	27.	(A)	51.	(C)	75.	(C)	99.	(D)
4.	(D)	28.	(D)	52.	(B)	76.	(C)	100.	(C)
5.	(A)	29.	(A)	53.	(B)	77.	(B)	101.	(B)
6.	(A)	30.	(C)	54.	(A)	78.	(B)	102.	(D)
7.	(D)	31.	(D)	55.	(D)	79.	(D)	103.	(A)
8.	(A)	32.	(A)	56.	(B)	80.	(D)	104.	(A)
9.	(B)	33.	(A)	57.	(B)	81.	(D)	105.	(B)
10.	(C)	34.	(B)	58.	(D)	82.	(B)	106.	(A)
11.	(B)	35.	(A)	59.	(A)	83.	(A)	107.	(A)
12.	(B)	36.	(B)	60.	(B)	84.	(A)	108.	(A)
13.	(C)	37.	(A)	61.	(A)	85.	(C)	109.	(D)
14.	(A)	38.	(B)	62.	(A)	86.	(D)	110.	(A)
15.	(A)	39.	(A)	63.	(B)	87.	(C)	111.	(B)
16.	(C)	40.	(D)	64.	(B)	88.	(D)	112.	(C)
17.	(C)	41.	(C)	65.	(A)	89.	(B)	113.	(D)
18.	(B)	42.	(B)	66.	(D)	90.	(C)	114.	(A)
19.	(B)	43.	(A)	67.	(C)	91.	(B)	115.	(D)
20.	(A)	44.	(B)	68.	(A)	92.	(B)	116.	(D)
21.	(C)	45.	(B)	69.	(B)	93.	(C)	117.	(A)
22.	(B)	46.	(A)	70.	(B)	94.	(A)	118.	(B)
23.	(C)	47.	(B)	71.	(B)	95.	(B)	119.	(B)
24.	(B)	48.	(C)	72.	(C)	96.	(C)	120.	(B)