Biolo	gy Allowed: 20 Minutes	GROUP -		er II (Objective Type) Maximum Marks: 17
NOTE: You have four choice for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fil				
50	the circle. Cutting or filling two or more circles will result in zero mark in that question			
	Attempt as many questions as given in objective type questions papers and leave of			
blank. No credit will be awarded in case. BUBBLE are not filled. Do not solve questions				
	this sheet of OBJECTIV	T-PAPER	DOLL are not fined. Do	mor some questions on
QL(1) Which one of the following structures of kidney is involved in the production of				
concentrated urine:				
	(A) Glomerulus		(B) Juxtamedullary n	enhean
	(C) Cortical nephron		(D) Vasa recta	Chinon
(2)	57	ure regulation in I	human is based on	eamples hamaastatia
(-/	thermostat present in		numan is based on	complex nomeostatic
	(A) Cerebrum		ita (C) Hypothalamus	(D) Thalamus
(3)	Collagen fibers of bor		[[[[[[[[[[[[[[[[[[[[(12) Thailings
10.3	(A) Calcium phosphate	and the control of th	(B) Sodium phosphat	
	(C) Sodium carbonate	73	(D) Calcium carbonal	
(4)		surrounded by a laye	er of connective tissue c	
ations of			s (C) Annulus tibroses	
(5)	The onset of epilepsy			(17) That the capacities
		(B) 50 years	•	(D) 35 years
(6)		17	id parthenogenetic exce	
		(B) Aphids	(C) Honey bees	(D) Ants
(7)	Uterus opens into the			
		(B) Ureter	(C) Oviduct	(D) Uterine tube
(8)			ized within the plant bod	
	(A) Water	(B) Nutrients	(C) Light	(D) Oxygen
(9)	DNA polymerase only			Armed a Demonstrati
		(B) 3'-end	(C) 2'-end	(D) 4'-end
(10)	The presence of invad	ing cells other than	normal tissue is an indi	ication of :
		(B) Abnormality		(D) Malignancy
(11)	The condensation of c	hromosomes reaches	s to its maximum durir	ig:
	(A) Diakinesis	(B) Pachytene	(C) Zygotene	(D) Leptotene
(12)	The individual called			#1 ⁽²⁾
	(A) B-blood group	(B) O-blood group	(C) AB-blood group	(D) A-blood group
(13)			numerous infections of	
			(C) Digestive tract	
(14)			of a population, cause o	disturbance in the:
72		(B) Genetic drift	(C) Phenotype	(D) Gene post
(15)	Succession begins by a		, called :	
		(B) Pioneers	(C) Founders	(D) Creators
(16)	The soil of grass-land	일일 얼마나 그 그 그렇게 맛있다면 하는 사람이 맛있었다면서 그 그렇게 되어 보고 있다면 하다 그 때 먹었다.		
		(B) Acidity	(C) Salinity	(D) Moisture
(17)	Our daily energy requ			
		(B) 75" ((C) 80%	(D) 85%
ANSWERS:				
	(1) A (2)		4) D (5) C (6	
	(7) B (8)		0) D (11) A (12	2) (
	$(13) \Lambda (14)$	D (15) B (1	6) D (17) A	

INTER (PART-II) LAHORE BOARD 2017 Paper II (Subjective Type) Biology Time Allowed, 2.40 Hours GROUP - I Maximum Marks: 68 NOTE:- Write same question number and its part number on answer book, as given in the question paper. SECTION-I Write short answers to any EIGHT (8) questions: 1. Give the characteristics of xerophytic plants. ii. What is counter current multiplier? tii. State renal failure. Compare phototropism and geotropism. v. What is plantigrade? Also give examples. vi. Differentiate between ligaments and tendons. vii. What are test tube babies? viii Give some advantages and disadvantages of cloning. ix. Write a note on profundal zone. x. What is lavering in ecosystem? Mention any four ways in which we can save energy. xii. Give the importance of ozone layer. 3. Write short answers to any EIGHT (8) questions: 16 1 How plants respond to various stimuli? n. Differentiate between etiolation and chlorosis. ni Give commercial applications of auxins. iv. How sex determination occurs in yeast? v. Describe sex influenced traits. vi. What is Bombay phenotype? vii. Define the term totipotent. .viii. Compare ex-vivo gene therapy with in-vivo gene therapy. Flaborate the uses of plasmids x. How primary succession differs from secondary succession? xi. Define hydrosere and serosere. vi. Write down the significance of root nodules in plants. Write short answers to any SIX (6) questions : [5] 12 1. Define growth. ii. What do you mean by lateral meristem? iii Define one-gene-one polypeptide hypothesis. iv. What do you mean by mutations? v. Define nucleotide and nucleoside. Define meiosis and mitosis. vir. What do you mean by non-disjunction? viii Define theory of special creation. Who proposed it? ix. What do you mean by non-random mating? SECTION - II Note: Attempt any THREE questions. (a) Give four major homeostatic functions of liver. (b) What is succession? Describe process of succession on a dry soil. (a) Give importance of skeleton. (b) Describe types of chromosomes on the basis of centromere. + (a) Explain the structure and function of thyroid gland. (b) What is pollution? Explain the phenomenon of air pollution. 4 (a) Explain sexually transmitted diseases in human. 4 (b) Explain in detail diabetes mellitus and its types. 4, (a) Describe the role of nucleus in development. (b) Describe the factors affecting gene frequency of a population.