2	2015-2016 BOTANY Annual Examination
	Section-A
	Multiple Choice Questions (MCQ's)
2.1	Choose the correct answer for each from the given options:
(1)	The multiple effects of a signle gene or allele, termed as: (a) Polygenic-Inheritance (b) Pleiotropy
TILY.	(c) Continuously varying trait (d) Multiple Inheritance Zone of sea, which consists of Pelagic and benthic zones;
(11)	(a) Euphotic (b) Bathyl (c) Abyssal (d) Neritic
(iii)	The structure which protects external part of plant after shading of epidermis
()	(a) Suberin (b) Cuticle (c) Lenticels (d) Secondary Epidermis
(iv)	The plant hormone which inhibits the growth of plants?
	(a) Auxin (b) Abscisic Acid (c) Ethone (d) Gibberellins
(v)	Intercalary meristem amy occur at:
	(a) Bas: of Inter-nodes (b) Below the node (c) Both (a) and (b)
	(d) Nor of these
(vi)	Which one of the following is not a succession? (b) Protosers (c) Mesosere (d) Xerosere
	Hydrosere (b) Protosere (c) Mesosere (d) Xerosere Type of chromosome when centromere is located at the centre.
	(a) Telocentric (b) Metacentric(c) Sub-Metacentric (d) Acrocengtrio
(viii)	The type of inflorescence where flowers are arranged on eleongated peduncia and
	a inflorescence is covered by a large bract, called;
Section .	(a) Spike (b) Spadix (c) Scorpoid (d) Spikelet
(ix)	Meiotic prophase-I sub stage, where terminialization takes place.
	(a) Leptotene (b) Pachytene (c) Diplotene (d) Diakinesis
	Section-B (Short Answer)
Note	: Answer any TEN of the following questions, Each question carries 02 marks.
0.2	Why seed dormancy is significant for plants?
Q.3	Why "Hetero-Chromatin" part of ohromosome is never expressed?
0.4	What happens when "Non-Disjunction" occurs in chromosomes?
Q.5	How plants maintain their temperature in cold days?
Q.6 Q.7	What is the role of Pollen tube in spermopsids? Define any I WO of the following:
No. 1	A - Principal Control of the Control
	(a) Thigmotropism (b) Topography (c) Ecological Niche (d) Nucleoseme
0.8	Distinguish between any ONE of the following:
	(a) Hydrophytes and Mesophytes (h) Vascular-cambium and Cork-Cambium
Q.9	Why do steep slopes limit vegetation?
Q.10	Why " Coniferious Forest" are named so, where these forest are located in
Q.11	Enlist polygenic traits found in Plants, Animals and Human.
Q.12	What is "Elongation Phase of Growth" In higher plant.
Q.13	Pakistan? Enlist polygenic traits found in Plants, Animals and Human. What is "Elongation Phase of Growth" in higher plant. Why mitosis is "Amphi -Astral" in Animals and "An-Astral" in plants? How does "Ethene" ripens the fruit? Section-C (Descriptive Answer) Answer any TWO of the following questions. Each question carries 07 marks.
Q.14	How does "Ethene" ripens the fruit?
16.575	Section-C (Descriptive Answer)
Note:	Answer any TWO of the following questions. Each question carries 97 marks.
Q.15	What do you mean by KARYOKINESIS? Describe various stages of somatic cell-
	division, through which a diploid nucleus passes in order to produce two diploid
	daughter nuclei?
2.16	What is HYEREITY MATERIAL? Describe the structure of molecule which works as
	heredity material with the help of diagram.
2.17	A female marries with a colour -blind male, have a chance of only normal children.
	The husband died and female re-marry with a male have normal homozygous
	children. What will be the Genotype and phenotype of second husband?
	(Prove it with crosses)
	Gene for Colour – blindC
	If a " Normal-mate" mames a " Haemophilic carrier female," how does the
	ission of haemophilla take place in the offsprings?
ansm	reactor of fraethophilia take place in the organisms?

Gene for Normal _____H Gene for Haemophilia____h