V12Bio Virudhunagar District Common First Mid Term Test - 2024 Standard 12 BIOLOGY Marks: 50 Time: 1.30 Hours Part - A (Bio-Botany) Marks: 25 Section - A Choose and write the correct answer with option code: I. 5×1=5 Transmitting tissue is found in b) Pollen tube wall a) Micropylar region of Ovule c) Stylar region of gynoecium d) Integument 2) Find out the correct pair a) Duplicate genes - 15:1 b) Supplementary genes - 9:7 c) Inhibitor genes - 9:3:4 d) complementary genes - 13:3 3) An allohexaploidy contains: a) six different genomes b) six copies of three different genomes c) Two copies of three different genomes d) Six copies of one genomes 4) What is the phenotype of wheat kernal colour for the geno type: R₁ R₂ r₁ r₂ a) Dark red b) Medium dark red c) Medium red d) light red 5) Circinotropous Ovule is found in the family a) Primulaceae b) Alismataceae c) Cactaceae d) Leguminosae Section - B II. Answer any three questions: 3×2=6 6) What are multiple Alleles? 7) Draw diagram of Hemianatropous Ovule with an example 8) Give the names of the scientists who rediscovered Medelism 9) What is Stomium? 10) Differentiate continous variation with discontinuous variation. (Any three points) Section - C III. Answer any three questions: 3×3=9 11) What are the reason for Mendel's Success in his breeding experiment? 12) Write the gene mapping uses 13) What is endothelium? 14) How to do test for homozygosity of a trait in plants? 15) List out the any three functions of Tapetum. Section - D IV. Answer the following questions: 1×5=5 16) Explain Incomplete Dominance with an example What is endosperm? Explain the types.

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explain its structure? And draw the diagram of spermatogenesis?

Kindly Send Me Your Key Answer to Our email id - Padasalai.net@gmail.com

(OR)
b) Name the gemete cell that fertilizes the ovum in human end draw and