



- 1) _____ is the type of pollination which is a cross pollination functionally but self pollination genetically.
 - a) Autogamy
 - b) Geitonogamy
 - c) Xenogamy
 - d) Cleistogamy
- 2) Identify the cell which is not devoid of protoplasm.
 - a) Vessels
 - b) Tracheids
 - c) Xylem Parenchyma
 - d) Sclerenchyma
- 3) The gas which is predominantly present in biogas is
 - a) methane
 - b) carbon dioxide
 - c) hydrogen sulphide
 - d) ethane
- 4) In the process of meiosis-I, terminalisation of chiasmata occurs during _____ stage.
 - a) leptotene
 - b) diakinesis
 - c) zygotene
 - d) diplotene
- 5) If glycolysis starts with sucrose as the substrate then the number of molecule(s) of pyruvic acid formed is/are
 - a) 1
 - b) 2
 - c) 3
 - d) 4
- 6) The factor that is responsible for extension growth of plant cells is
 - a) optimum temperature
 - b) oxygen
 - c) water
 - d) nutrients
- 7) In most situations, ABA acts as an antagonist to:
 - a) auxin
 - b) GAs
 - c) cytokinin
 - d) ethylene
- 8) The enzyme that inhibits transformation of R cells in Oswald Avery, Colin MacLeod and Maclyn McCarty's experiment, was
 - a) protease
 - b) RNase
 - c) DNase
 - d) lipase
- 9) The annual net primary productivity (dry weight) of the whole biosphere is approximately
 - a) 55 billion tons
 - b) 170 billion tons
 - c) 155 billion tons
 - d) 165 billion tons
- 10) The green expanded part of the leaf with veins and veinlets is
 - a) pulvinus
 - b) leaf base
 - c) petiole
 - d) leaf blade

- 11) Identify the mismatched pair w.r.t the steps of EMP pathway

(1)	3-phosphoglyceraldehyde is converted to 1, 3-bisphosphoglycerate	NADH + H ⁺ is formed
(2)	Conversion of glucose into glucose 6-phosphate	ADP is utilised
(3)	Fructose 6-phosphate to fructose 1, 6-bisphosphate	ATP is utilised
(4)	Conversion of BPGA to 3-phosphoglyceric acid	ATP is formed

- 12) Match List-I with List-II choose the correct option

List-I (Pea plant character)		List-II (Recessive trait)	
(I)	Pod shape	(A)	Wrinkled
(II)	Pod colour	(B)	Yellow
(III)	Seed shape	(C)	Green
(IV)	Seed colour	(D)	Constricted

I	II	III	IV
(1) C	D	A	B
(2) A	B	D	C
(3) B	D	C	A
(4) D	B	A	C

- 13) The male gametes of rice plant have 10 chromosomes in their nucleus. The chromosome number in the female gamete, zygote and the cells of the seedling will be, respectively:
 - a) 10, 20 and 10
 - b) 20, 10 and 10
 - c) 10, 20 and 20
 - d) 20, 10 and 20

- 14) Match List-I with List-II find out the correct option

List-I		List-II	
(I)	Exon	(A)	Non-coding sequence
(II)	Intron	(B)	Coding sequence
(III)	Capping	(C)	Polyadenylation
(IV)	Tailing	(D)	Methyl guanosine triphosphate

I	II	III	IV
(1) C	D	A	B
(2) A	B	C	D
(3) B	A	D	C
(4) B	D	A	C

Answer Key for 25-04-2025 NEET MODEL QUESTION PAPER – CHEMISTRY

Q	42	43	44	45	46	47	48	49
A	B	A	C	C	A	C	B	C
Q	50	51	52	53	54	55	56	57
A	D	B	B	A	A	B	C	A

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