Ts-12Bio	Common First Mid Term Test - 202		012221
Time: 1.30 Hrs.	Standar BIOLO	- Printing of	Marks: 35
	BIO - BO	IANY	Marks: 18
I. Choose the bes		N - I	3×1=3
 First cell c a) Microsp c) Nucleu 		b) Megaspored) Primary endospe	rm nucleus
a) Micropy	ing tissue is found in ylar region of ovule region of gynoecium	b) Polien tube wall d) Integument	
3) Which one	e of the pollination is add	opted for majority of ang	iosperms?

- a) Ornithophily
- c) Hydrophily

SECTION - II

b) Entomophily

d) Anemophily

II. Answer any three of the following: Question No. 4 compulsory question.

- 4) What are clones?
- 5) Draw the structure of embryosac and label it.
- 6) Give the names of the scientists who rediscovered Mendelism.

SECTION - III

IJI. Answer any three of the following:

Question No. 7 compulsory question.

- 7) Draw the structure of monocot seed and label it.
- 8) Enumerate the characteristic features of entomophilous flowers.
- 9) What is meant by cytoplasmic inheritance?

SECTION - IV

IV. Answer the following question:

10.00

10) What is endosperum? Explain the types.

(OR)

Explain the experiment done by Carl Corrensis with example.

 $1 \times 5 = 5$

2×3=6

 $2 \times 2 = 4$



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SECTION - I

Answer all the questions:

- 1) Paedogenetic parthenogenesis occurs in
 - a) Aphis b) Honey bees c) Solenobia d) Gall Fly
- Four children of a couple have blood groups A, B, AB, O what could be the genotype of the parents.
 - a) $I^{A}I^{A} \times I^{B}I^{B}$ b) $I^{A}I^{O} \times I^{A}I^{B}$ c) $I^{A}I^{O} \times I^{B}I^{O}$ d) $I^{O}I^{O} \times I^{A}I^{B}$

3) Match the following:

- i) Gonorrhoea A) 10-90 days
- ii) Syphilis B) 1-8 months
- iii) Genital warts C) 30-80 days
- iv) Hepatitis D) 2-5 days
- a) (i) A (ii) B (iii) D (iv) C
- b) (i) B (ii) C (iii) D (iv) A
- c) (i) C (ii) D (iii) A (iv) B
- d) (i) D (ii) A (iii) B (iv) C

SECTION - II

Answer any two of the following questions:

- 4) What is Inhibin? State its functions.
- 5) What is Mayer-Rokitansky syndrome.
- 6) Why honey bees parthenogenetic reproduction is referred as incomplete parthenogenesis?

SECTION - III

Answer any two of the following questions: Question No. 9 is compulsory.

- 7) Write the symptoms of pataus syndrome.
- 8) Distinguish between heterochromatinand Euchromatin.
- 9) Write three causes of infertility in human beings.

SECTION - IV

Answer any one of the following questions:

10) Explain the process of spermatogenesis in Human beings with a schematic representation. (OR)
 What is Colour Blindness?

What is Colour Blindness?

How X linked gene inherited in the marriage between hemizygous recessive male and normal visioned woman?

2×2=4

2×3=6

1×5=5

Marks: 18

3×1=3