b) Southern Blothing Techniques

c) Dipterocarpaceae d) Ebeuaceae

d) Bt Brinjal

4x2 = 8

d) Western Blotting Techniques

c) Golden rice

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	Tenkasi District ommon Half Yearly Examination - 20	24
Time: 3.00 Hours	Standard 12 BIOLOGY Part - I(BIO-BOTANY) Section - I	Marks: 70 Marks: 35
I. Answer all the que	stions.	8x1=8
2) Assertion (A) Reason (R) a) (A) is wrong c) (A) and (R) a 3) Fruit colour in s a) complement c) Inhibitory ge	b) 2000 µm C) 20 µm Gamma rays are generally use wheat varieties Because they carry lower energ from atom (R) is correct b) (A) and d) (A) is congular energy genes b) Recessive the congular energy genes b) Recessive d) Dominar	y to non-ionize electrons (R) are correct prect (R) is wrong we epistasis
4) Match the follow Column I	Column II	
1) Cowpea 2) Wheat 3) Chilli 4) Brassica 1 2	i) Pusa Sadabahar ii) Pusa Swarnim iii) Himgiri iv) Pusa Komal 3 4	

a)

b)

c)

d)

iv.

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a) Lamiaceae

a) Flavr Savr

b) Kyoto protocol

9) What is endothecium?

13) What is co-evolution?

14) Define - Bonsai

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5) In which techniques Ethidium Bromide is used

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6) Tectona grandis belongs to which family

associated with Vitamin A deficiency?

c) Montreal protocol - Global warming

8) Identify the correctly matched pair

II. Answer any four of the following questions.

bond of nuclotide sequence?

15) List out the functions of tapetum 16) Give an account of cryopreservation

18) What is carbon capture and storage 19) Write short notes on Bio-monitoring

17) Draw the structure of thermal stratifcation

a) Polymerised chain reaction c) Agarose Gel Electrophoresis

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b) Fabaceae

b) Canola

a) Basal Convention - Biodiversity conservation

d) Ramsar convention - Ground water pollution

11) Pyramid of energy is always upright. Give reasons.

12) Differentiate primary introduction from secondary introduction.

7) Consumption of which one of the following foods Prevents the kind of blindness

Climate change

Section - II

Section - III III. Answer any three of the following questions. Q.No. 19 is compulsory. 3x3=9

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

10) What are the enzymes you can use to cut terminal end and internal phosphodiester

Section - IV

2x5 = 10IV. Answer all the questions. 20) a) Explain the incomplete dominance with example (OR) b) What is single cell protein? Mention its applications 21) a) Enumerate the anatomical adaptations of xerophytes (OR) b) What are the King and Queen of Spices? Write their uses. Part - II (BIO-ZOOLOGY) Marks: 35 Section - I Choose the correct answer (Write the answer with option) 8x1 = 81) The primary host of Taenia solium is c) Pig d) House fly b) Water a) Man 2) Cryptorchism is observed in percentage of Male population c) 1 – 3 d) 1 - 4a) 2 - 3b) 1 - 23) HPV Vaccination of girls aged years b) 8 - 13 c) 9 - 14 d) 7 - 13 a) 9 - 13 4) ABO Blood group in Man controlled by a) Multiple allele b) Lethal gene c) Sex linked gene d) y-linked gene 5) Fossils are generally found in b) Metamorphic rocks a) Igneous rocks d) Sedimentary rocks c) Volcanic rocks 6) Choose the correct match pair a) Amphetamines - Sitmulant Narcotic b) LSD c) Heroin - Psychotropic d) Beuzodia Zepine - Painkiller 7) is the example of stenotherms c) tiger d) lizard b) dog a) cat 8) of Russia seems to be at higher risk of extinction because of habitat destruction b) Steller's Sea cow c) Amphibian d) Rabbit a) Dodo Section - II II. Answer any four of the following questions. 4x2 = 89) Differenciate Thelytoky and Amphitoky 10) What is LH Surge? 11) Give reason for Genetic code is Universal 12) Symptoms of Bubonic plague 13) What is meant by Acclimatization 14) Define Endemism Section - III III. Answer any three questions. Q.No. 19 is compulsory. 3x3 = 915) Differenciate somatic and Germline gene therapy? 16) Name the copper releasing IUD's and its role 17) Note on Ecosan toilet 18) What are DNA vaccine 19) Name the Hallucinogens drugs and its effects Section - IV 2x5 = 10IV. Answer the following. 20) a) Write a brief account about menstrual cycle (OR) b) Objection of Darwinism? 21) a) Uses of Transgenesis? (OR) b) Causes of Biodiversity loss?