Tenkasi District Common Examinations

Common Second Mid Term Test - November 2022



Standard 12

Time: 1.30 Hrs.

BIOLOGY

Marks: 35

BIO-BOTANY

Marks: 18

PART-I anstruction of the second

Choose the best answer:

- 1) A specific place in an ecosystem, where an organism lives and performs its function is remarks and the pulled but him to the
- a) Habitat b) Niche c) Landscope d) Biome
- 2) Ecosystem consists of across the particular of the consists of the consists
- a) Decomposers

b) Producers

c) Consumers

- d) All of the above
- 3) The unit for measuring ozone thickness
- a) Joule
- b) Kilos c) Dobson d) Watt

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PART-II

and the select of the control of the

II. Answer ANY TWO of the following:

2×2=4

[Q.No. 4 is compulsory question]

- 4) What are ecological equivalents? Give one example.
- 5) Productivity of profundal zone will be low. Why?
 - 6) What is azone hole?

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III. Answer ANY TWO of the following:

[Q.No. 7 is compulsory question]

- 7) What is Albedo effect and write their effects?
- 8) Pyramid of energy is always upright. Give reasons.
 - 9) Define Dobson unit.

PART - IV and relative and and make

IV. Answer the following:

1×5=5

10) How does anemochory differ from zoochory?

(OR)

Shape of pyramid in a particular ecosystem is always different in shape. Explain with example, and a neat diagram.

BIO-ZOOLOGY

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I.	Ansv	ver all questions: 3×1=3
	1)	The first clinical gene therapy was done for the treatment of
		a) AIDS b) Cancer c) Cystic fibrosis d) SCID
	2)	Arrange the correct order of PCR technique
		a) Denaturation, Annealing and Extension
1		b) Annealing, Denaturation and Extension
		c) Extension, Annealing and Denaturation
		d) Denaturation, Extension and Annealing
	3)	Which of the following is stenotherms
		a) Fish b) Cat c) Dog d) Tiger
		SECTION - II
П.	Answ	ver ANY TWO of the following:
	4)	Differentiate Germline genetherapy and Somatic cell genetherapy:
	5)	What is meant by Totipotency?
	6)	Define Van't hoff rule?
der	٠.	The adas alal Mel
		SECTION - III
ш.	Answ	ver ANY TWO of the following: 2×3=6
	(Q.No	o. 9 is compulsory)
	7)	What is Acclimation?
	8)	Explain Hiberation and Aestivation with examples.
0=	9)	Why saccharomyces cerevisiae is suitable for the production of interferons?
		And Anthony of the state of the
		SECTION - IV
IV.		er ANY ONE of the following:
	10)	Write down the clinical application of PCR.
		(OR)
		Explain the properties of soil
	S M E	the sure was not and an expense.
		An Court with the A hours warrange to used wishing
	(L)	. How we want
1.79	4	Explain the properties of soil சிவ வெர்த் பரிநாம் பெடர்க். மேல்திரைப் பள்ளி வில்லம்
		CO CONTRACTOR OF THE PROPERTY
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