

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Zoo_103

Principles of Systematics

Quiz No.2 Fall 2022

Full Solution

Total Marks: 10

Due date: 16/12/2022



***"Don't Stop When you Tired,
Stop When you Done"***

0304-4756496

MUHAMMAD ZAMAN 😊

For Paid Quiz contact on 03044756496

Tick the Non-PCR based technique.

Quiz

Tick the Non-PCR based techniq

https://vulms.vu.edu.pk/Quiz/QuizQuestion.aspx?ver=4c749684-a187-4946-bb87-5bffc5...

ZOO103 - Principles of Systematics (Quiz # 2) Quiz Start Time: 11:02 AM, 29 December 2022

Question # 1 of 5 (Start time: 11:02:36 AM, 29 December 2022) Total Marks: 1

Tick the Non-PCR based technique.

Select the correct option

Reload Math Equations

☒	RFLP
☐	AFLP
☐	RAPD
☐	SCoT

Click to Save Answer & Move to Next Question

Type here to search

11:03 AM 12/29/2022

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The screenshot shows a web browser window with multiple tabs. The active tab is titled 'PCR based' and displays a quiz question. The browser's address bar shows a file path: 'E:/BS%20Zoology/3rd%20Semester/zoo103/ZOO%20103%20Principles%20of%20sy...'. The page content includes a list of techniques and their applications.

- Use of radioisotopes has limited use of RFLPs in certified laboratories

PCR based techniques

- RAPD (Random Amplified polymorphic DNA)
- ISSR (Inter-Simple Sequence Repeat)
- SSR (Simple Sequence Repeat)
- AFLP (Amplified Fragment length Polymorphism)

- EST (Expressed sequence Tags)
- SCoT (Stop Codon targeted)

The browser's taskbar at the bottom shows the Windows logo, a search bar with the text 'Type here to search', and icons for File Explorer, Google Chrome, Microsoft Edge, and Microsoft Word. The system clock in the bottom right corner indicates the time is 12:26 PM on 12/29/2022.

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2-After capture, fishes are placed in _____ % formalin for quick killing.

The screenshot shows a presentation slide titled "Methods of Animal Preservation". The slide content includes:

- Painting supplies
- Should be buffered with glycerin/antacid tablets

Methods of Animal Preservation

Fish preservation

- After capture fishes are placed in 10% formalin for quick killing. • This is highly painful
- Fishes dies with its parts well spread off and body straight and well stretched.

The slide is displayed in a web browser window with the address bar showing a file path. The Windows taskbar at the bottom shows the search bar, task view button, and icons for File Explorer, Google Chrome, Microsoft Edge, and Word. The system clock indicates 12:30 PM on 12/29/2022.

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ZOO103 - Principles of Systematics (Quiz # 2)

Quiz Start Time: 11:02 AM, 29 December 2022

Question # 3 of 5 (Start time: 12:22:33 PM, 29 December 2022)

Total Marks: 1

Which one of the followings is NOT an Advantage of Molecular Markers?

Select the correct option

☐

Detectable in all tissues, all ages

☐

Multiple alleles for each marker

☐

Long shelf life of DNA samples

☒

Instable inheritance

Click to Save Answer & Move to Next Question

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The screenshot shows a presentation slide titled "Advantages of Molecular Markers" in red text. The slide is displayed within a web browser window. The browser's address bar shows the file path: E:/BS%20Zoology/3rd%20Semester/zoo103/ZOO%20103%20Principles%20of%20sy... The browser window has multiple tabs open, including "Quiz List", "ZOO 103 Principles of systematic...", and "Tick the Non-PCR based techniq...". The presentation slide itself has a white background with a list of three bullet points: "Ubiquitous", "Stably inherited", and "Multiple alleles for each marker". Below this slide, another slide titled "Molecular Markers" is partially visible, showing a list of three bullet points: "Devoid of pleiotropic effects", "Detectable in all tissues, all ages", and "Long shelf life of DNA samples". At the bottom of the screenshot, the Windows taskbar is visible, showing the search bar, task view button, and icons for File Explorer, Google Chrome, Microsoft Edge, and Word. The system clock in the bottom right corner indicates the time is 12:27 PM on 12/29/2022.

Advantages of Molecular Markers

- Ubiquitous
- Stably inherited
- Multiple alleles for each marker

Molecular Markers

- Devoid of pleiotropic effects
- Detectable in all tissues, all ages
- Long shelf life of DNA samples

Application of Molecular Markers

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Quiz | ZOO 103 Principles of systematics | Can be studied using Gel electro | +

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ZOO103 – Principles of Systematics (Quiz # 2) **Quiz Start Time: 11:02 AM, 29 December 2022**

Question # 4 of 5 (Start time: 12:23:41 PM, 29 December 2022) **Total Marks: 1**

Which one of the followings is False for Protein as Biochemical Markers?

Select the correct option [Reload Math Equations](#)

☐	A vigorous complement to the morphological assessment of variation
☐	Can be studied using Gel electrophoresis
☐	Require simple equipment
☒	High in numbers

[Click to Save Answer & Move to Next Question](#)

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The screenshot shows a presentation slide titled "Protein (Biochemical markers)". The slide is part of a presentation titled "Molecular Markers" and is slide 11/15. The browser address bar shows the file path: E:/BS%20Zoology/3rd%20Semester/zoo103/ZOO%20103%20Principles%20of%20sy... The slide content includes a list of bullet points:

- Available since 1950s
- Related to variation in protein and amino acid bending pattern
- Can be studied using Gel electrophoresis e.g esterase, Acid phosphatase, peroxidase etc.
- Advantage
- Require simple equipment
- A vigorous complement to the morphological assessment of

The Windows taskbar at the bottom shows the search bar, task view button, and icons for File Explorer, Google Chrome, Microsoft Edge, and Microsoft Word. The system clock shows 12:28 PM on 12/29/2022.

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Quiz

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ZOO103 – Principles of Systematics (Quiz # 2)**Quiz Start Time: 11:02 AM, 29 December 2022**

Question # 5 of 5 (Start time: 12:25:27 PM, 29 December 2022)**Total Marks: 1**

Iropropyl Alcohol must be diluted upto _____ % for use.

Select the correct option

Reload Math Equations

☐	50
☐	20
☐	10
☒	40

Click to Save Answer & Move to Next Question

🪟

○ Type here to search

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ENG

12:25 PM

12/29/2022

🔔

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The screenshot shows a presentation slide titled "Module# 80 Methods of Animal Preservation". The slide is displayed in a web browser window. The browser's address bar shows the file path: "E:/BS%20Zoology/3rd%20Semester/zoo103/ZOO%20103%20Principles%20of%20sy...". The slide content includes the word "END" in red, followed by the title "Module# 80 Methods of Animal Preservation" in orange. Below the title, the text "Iropropyl Alcohol" is written in red, followed by a bulleted list of properties: "• Cheep", "• Easy to obtain", "• Available strengths (90%, 70%) •", "For use dilute upto 40%", and "• Can be hard to specimens and specimens tends to brittle over the time". The Windows taskbar is visible at the bottom of the screen, showing the search bar and several application icons.

END

Module# 80 Methods of Animal Preservation

Iropropyl Alcohol

- Cheep
- Easy to obtain
- Available strengths (90%, 70%) •
- For use dilute upto 40%
- Can be hard to specimens and specimens tends to brittle over the time

Methods of Animal Preservation

Zoology LEGENDS??

(For Every BS/MSc Zoology Students)

<https://chat.whatsapp.com/HMS1CGrZW4h7QWa1D53roe>

Zoo_103??

<https://chat.whatsapp.com/EeXwvZR7eAe7oaAU0dWXDR>

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There is all are 100% right solved

**But there is a little chance of any
mistake**

**Please If You find any mistake then also
let us to Know**

Muhammad Zaman

03044756496

JazakAllaH

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