

NOUN Exams Past Questions

In the operation of an autoclave when the discharge outlet valve is closed, ----- minutes are needed for sterilisation?
20

The lines of biological drawings in practical works must be ____
continuous

The connecting tissue from ovary to dorsal body wall of urinogenital system in female toad is called ____
Mesovarium

Birds are different from reptiles in that they possess ____.
Feather

The nervous system is made up of , -, -, -, -, - ____ main components in toad.
3

This is not parts of cranial nerves in toads.
pneumo nerve

Dissecting trays contain-----
Wax

Birds resemble reptiles in that they have a shelled egg and possess ____.
Comb

Which of these items of the laboratory is out of place in the group?
Hot plate

Which of the following is not part of the female reproductive system in insects?
Follicles

Collection, procurement and preservation of animal specimens for the use of the students is one of the important duties of a ____.
Laboratory technician

Which structures in sharks helps to detect temperature changes
Small pit organs

Laminar airflow technique allows air of a closed room or cabinet to pass through a High Efficiency Particulate Air (HEPA) filter pack and the filtrate becomes free of all particles above ____ dimension.
0.3 cm

Operculum in fishes is also called _____.
Gill cover

Why is wearing of short is the lab not advisable?
To avoid injury

The following fins in tilapia often have yellow spots except ____.
Pectoral

____, plano concave and double concave are the basic cross sectional shapes of microtome knives
Wedges

To measure objects using microscope, eye piece graticule and ____ are required.
stage micrometer

Female toad has creamy chin with narrow pigmented border under the lower jaw, while male toad has ____.
darker chin

What is the scientific name of the common African toad
Bufo regularis

During a practical class on Microscope handling a student did not see enough light, which of the following will you have suggested the student to check
quantity of oil immersion

Staining gets affected by all these except ____
Colour on storage

Which of the following is not part of the female reproductive system in insects?
Follicles

The largest group of vertebrates are _____.
Fishes

Osteichthyes is to bony fishes as Chondrichthyes is to _____ fishes.
Cartilaginous

Which of the following is an animal fixatives.
Million's reagent

Bacteria can be categorized as Gram positive or Gram negative, on the basis of their response to _____.
Gram's stain

The rate of loss of water by a plant through the stomata or other pores can be measured using _____.
Potometer

The quantity of agar, the jelling agent in solid culture media is usually
0.015

This is not part of the alimentary system of Zonocerus variegatus
Calyx

Which of the following is not true about Tilapia zillii.
Genus: Perciformes

The essence of dissecting an animal or insect is
to display the internal organs/system

What is a lab coat?
a coat made of white material worn in the lab

The culture of microorganisms is best done in the laboratory using laminar flow

You open up a rat with scissors

Dissecting trays contain wax

Animals for dissection are held down on a board or tray with pins

Which of the following equipment utilizes steam for sterilization? autoclave

Which of these items of the laboratory is out of place in the group? hot plate

To maximize the light gathering ability of the microscope lens, you add between the object and the coverglass immersion oil

Wearing of a lab coat is professional

constitute the largest number of living vertebrates the bony fish

Used culture plates are better sterilized in the laboratory using autoclave

Wearing of a lab coat is for all of the above

Why is wearing of short in the lab not advisable? to avoid injury

In the laboratory disposal of spent materials are done on the incinerator

In the operation of an autoclave when the discharge outlet valve is closed, minutes are needed for sterilisation?
20

Which of the following statements is incorrect about a microscope? it is kept in a damp place

To display general instructions in the laboratory, which of the following factors should be least considered? wordings

The labels of stock solutions in the laboratory should contain all except one of these information
name of person that prepared it

The operational range of temperature in an incubator is between 22-50°C

The essence of dissecting an animal or insect is to display the internal organs/system

What is a lab coat?

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Bio191 Tma1 10/10

1) Which of the following is not necessary to be included in report? Colour of the specimen

2) Animals for dissection are held down on a board or tray with Pins

3) Wearing of a lab coat is

Professional

4) The essence of dissecting an animal or insect is
To display the internal organs/system

5) Bacteria can be categorized as Gram positive or Gram negative, on the
basis of their response to ____.
Gram\\\'s stain

6) The largest group of vertebrates are ____.
Fishes

8) To measure objects using microscope, eye piece graticule and ____ are
required.
stage micrometer

9) To maximize the light gathering ability of the microscope lens, you
add____between the object and the coverglass
Immersion oil

10) Which of the following is not true about *Tilapia zillii*.
Genus: Perciformes

Q1 The male *Agama agama* is easily distinguished with its
Red head

Q2 The African toad protects itself when handled by the production of
which fluid.....
Milky

Q3 In the African toad, the snout of the head is -----
Rounded

Q4 In *T.zilli* the anal fin located-----
Posteriorally

Q5 When viewed from the side, the head of *T.zilli* is what shape?
Triangular

Q6 *Tilapia zilli* belongs to the Order
Perciformes

Q7 _____constitute the largest number of living vertebrates
The bony fish

Q8 The essence of dissecting an animal or insect is
To display the internal organs/system

Q9 To maximize the light gathering ability of the microscope lens, you
add____between the object and the
Immersion oil

Q10 Which of the following statements is incorrect about a microscope?
It is kept in a damp place

Q11 Animals for dissection are held down on a board or tray with
Pins

Q12 You open up a rat with

Scissors

Q13 Wearing of a lab coat is
Professional

Q14 What is a lab coat?
A coat made of white material worn in the lab

Q15 Why is wearing of short in the lab not advisable?
To avoid injury

Q16 Talking in the lab might
All of the above

Q17 If you eat in the lab, you are likely to
Injure yourself and alter your results

Q18 You avoid making noise in the lab because
you will disturb others

Q19 You do not smoke in the lab in order to avoid
Fire

Q20 You keep the lab clean in order to
Avoid contamination

Which of the following is not required in order to write and display
general instructions for laboratory use?
Dissecting kits

Which of the following is not true?
Always wear a lab coat and loose clothes in the lab

Which of the following is not necessary to be included in report?
Colour of the specimen

_____ is not a type of section in Biology.
angular section

This information may not be required in field study.
Name of Organisation

A display in the laboratory should not be _____
inconspicuous

Labels for Slides should carry one of the following information.
name of the organism

The methods of specimens collection usually vary with the following
except _____.
The type of container to use in collecting the specimens

Which of the following laboratory equipment is different from others?
Spectrophotometer

The heading of a biological drawing usually contains the following vital
elements except _____.
The shape of the drawing

1 Which of these statements is correct about biological drawings?

Drawing should not be too small or too big

2 Magnification of biological drawing is -----

Expression of the actual size of specimen in mathematical term

3 When you make a cut on a fruit from top to bottom along its length, it is also called

Longitudinal section

4 Which of the following items is out of place in the report of your experiments

None of the above

5 One of the following is not a laboratory equipment

Slide cabinet

6 Which of these is not a glassware?

pH meter

7 Which of the following equipment utilizes steam for sterilization?

Autoclave

8 Which of these items of the laboratory is out of place in the group?

Hot plate

9 In the laboratory disposal of spent materials are done on -----

-

The incinerator

10 To display general instructions in the laboratory, which of the following factors should be least considered?

Wordings

11 The labels of stock solutions in the laboratory should contain all except one of these information

Name of person that prepared it

12 In the operation of an autoclave when the discharge outlet valve is closed, ----- minutes are needed for sterilisation?

20

13 The operational range of temperature in an incubator is between -----

22-50°C

14 The culture of microorganisms is best done in the laboratory using
Laminar flow

15 Dissecting trays contain-----

Wax

16 Used culture plates are better sterilized in the laboratory using-----

Autoclave

17 The Transverse Section (TS) of the stem of water leaf is made in the lab using

A razor blade

18 The Pteridophytes are ----- producing vascular plants

Spore

19 An aspirator has.....tubes

Three

20 An aspirator is a device used for collection of.....

Small insects

1 The female Agama agama is easily distinguished with its
greenish head

2 A lab coat is

Protective

3 The ultra structure of an object is best seen with the aid of

Electron microscope

4 When an object is seen clearly under the microscope, it is said to be
In focus

5 The light microscope uses
Sunlight source

6 The microscope is
All of the above

7 The slide is mounted on the microscope on the
Stage

8 You look into the microscope through the
Eyepiece

9 All the under listed are parts of the microscope except
Electric handle

10 Which of the following does not belong to the microscope group?
Concave lens

11 The best anaesthetizing agent in the laboratory is
Chloroform

12 Why is it that you do not drink or eat in the lab?
To avoid poisoning

13 Why should books, notes and purses be kept in designated places in the
lab?
To avoid disturbance

14 When a display is ready, it is pasted in the
Open lab walls and doors

15 You write instructions for display in the laboratory using

A colour pen

16 You display instructions in the laboratory using

A chart paper

17 In the study of biology, which of these statements is true?

Practical's should go hand-in-hand with theory

18 Which of the following is critical for good drawings?

Sharp pencil

19 In practical biology, you -----

Follow tutors instructions

20 Field study is carried out in the study of biology to -----
--

1 The female Agama agama is easily distinguished with its

green

2 _____are words to describe your drawings

Labellings

3 A thin section of water leaf stem can be made with a _____or
microtome

razor blade

4 Bacteria cells are classified on the basis of their reactions to
_____ stain

Gram's

5 Required temperature in ovens and water baths is maintained by a_____
thermostat

6 The structure of an organism is also called _____

morphology

7 Metal cans are sterilized in the lab using _____

autoclave

8 You pick the skin of an animal with a _____

force p

9 Dissected animals are disposed in the laboratory by _____

burning

10 You want to indicate how big the specimen you have drawn is in relation to your drawing by way of _____

magnification

11 A cross section across a root can be viewed with a _____

microscope

12 The scientific name of rat is _____

Rattus rattus

13 The pH of a medium is usually adjusted in the lab by adding HCl or _____

Na OH

14 _____ water is used for running experiments in the laboratory

Distilled

15 A piece of potato in Petri dish and a drop of iodine added is testing for _____

star ch

16 Animals are dissected in _____ in the laboratory

trays

17 A _____ is used to measure the rate of loss of water by plants in the laboratory

potometer

18 Bony fish possess mainly bony _____ and _____ skeleton

exo, endo

19 In anaesthetizing animals, _____ and ether are used as anaesthetizing agents.

chloro form

20 A spinal frog, one in which the entire brain is destroyed, is prepared by a procedure known as

Pithing

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