

## BIO191 List of Questions

*Latex formatted questions may not properly render*

**Q1 The female Agama agama is easily distinguished with its**

- ☐ Blue head
- ☐ green
- ☐ Red head
- ☐ Black head

**Q2 \_\_\_\_\_ are words to describe your drawings**

- ☐ Paintings
- ☐ Colourations
- ☐ Labellings
- ☐ Shading

**Q3 A thin section of water leaf stem can be made with a \_\_\_\_\_ or microtome**

- ☐ scissors
- ☐ cutlass
- ☐ razor blade
- ☐ secaturer

**Q4 Bacteria cells are classified on the basis of their reactions to \_\_\_\_\_ stain**

- ☐ Abraham's
- ☐ Mendel's
- ☐ Gram's
- ☐ Graham's

**Q5 Required temperature in ovens and water baths is maintained by a \_\_\_\_\_**

- ☐ thermometer
- ☐ thermostat
- ☐ thermocool
- ☐ non of the options

**Q6 The structure of an organism is also called \_\_\_\_\_**

- ☐ morphology
- ☐ analogy
- ☐ ventricle
- ☐ physiology

**Q7 Metal cans are sterilized in the lab using \_\_\_\_\_**

- ☐ bunsen burner
- ☐ autoclave
- ☐ hotplates
- ☐ electric kettles

**Q8 You pick the skin of an animal with a \_\_\_\_\_**

- ☐ scissors
- ☐ razor
- ☐ forcep
- ☐ pin

**Q9 Dissected animals are disposed in the laboratory by \_\_\_\_\_**

- ☐ burying
- ☐ cremation
- ☐ burning
- ☐ boiling

**Q10 You want to indicate how big the specimen you have drawn is in relation to your drawing by way of \_\_\_\_\_**

- ☐ magnification
- ☐ reduction
- ☐ multiplication
- ☐ division

**Q11 A cross section across a root can be viewed with a \_\_\_\_\_**

- ☐ telescope
- ☐ kaleidoscope
- ☐ microscope
- ☐ television

**Q12 The scientific name of rat is \_\_\_\_\_**

- ☐ Meloidogyne spp
- ☐ Agama agama
- ☐ Rattus rattus
- ☐ Abelmoschus esculentus

**Q13 The pH of a medium is usually adjusted in the lab by adding HCl or \_\_\_\_\_**

- ☐ MgOH
- ☐ NaCl
- ☐ Zn
- ☐ NaOH

**Q14 \_\_\_\_\_ water is used for running experiments in the laboratory**

- ☐ Contaminated

- ☐ Diluted
- ☒ Distilled
- ☐ Boiled

**Q15 A piece of potato in Petri dish and a drop of iodine added is testing for \_\_\_\_\_**

- ☐ protein
- ☐ fats
- ☒ starch
- ☐ lipids

**Q16 Animals are dissected in \_\_\_\_\_ in the laboratory**

- ☐ stools
- ☒ trays
- ☐ tables
- ☐ carpets

**Q17 A \_\_\_\_\_ is used to measure the rate of loss of water by plants in the laboratory**

- ☐ thermometer
- ☐ calorimeter
- ☒ potometer
- ☐ pipette

**Q18 Bony fish possess mainly bony \_\_\_\_\_ and \_\_\_\_\_ skeleton**

- ☐ meso,endo
- ☐ meta,meso
- ☒ exo,endo
- ☐ exo.meso

**Q19 In anaesthetizing animals, \_\_\_\_\_ and ether are used as anaesthetizing agents.**

- ☐ alcohol
- ☐ hydrochloric acid
- ☐ water
- ☒ chloroform

**Q20 A spinal frog, one in which the entire brain is destroyed, is prepared by a procedure known as \_\_\_\_\_**

- ☐ dissecting
- ☐ caesarian
- ☒ pithing
- ☐ moulting

**Q21 The female Agama agama is easily distinguished with its**

- ☐ Blue head
- ☐ Yellow head
- ☐ Red head
- ☒ greenish head

**Q22 A lab coat is**

- ☐ Destructive
- ☐ Constructive
- ☒ Protective
- ☐ Attractive

**Q23 The ultra structure of an object is best seen with the aid of**

- ☐ Ultra microscope
- ☐ Light microscope
- ☐ Stereo microscope
- ☒ Electron microscope

**Q24 When an object is seen clearly under the microscope, it is said to be**

- ☐ Sharp focus
- ☒ In focus
- ☐ Out focus
- ☐ Disfocus

**Q25 The light microscope uses**

- ☐ Fire source
- ☐ Electrical source
- ☒ Sunlight source
- ☐ Nuclear source

**Q26 The microscope is**

- ☐ A magnifier
- ☐ An apparatus
- ☐ An equipment
- ☒ All of the above

**Q27 The slide is mounted on the microscope on the**

- ☐ Prism
- ☐ Base plate
- ☒ Stage
- ☐ Clamp Screw

**Q28 You look into the microscope through the**

- ☐ Tube

- ☐ Clips
- ☐ Eyepiece
- ☐ Accessory lens

**Q29 All the under listed are parts of the microscope except**

- ☐ Coarse focus
- ☐ Base plate
- ☐ Nose-piece
- ☐ Electric handle

**Q30 Which of the following does not belong to the microscope group?**

- ☐ Phase contrast microscope
- ☐ Dissecting microscope
- ☐ Kohler brightfield magnifier
- ☐ Concave lens

**Q31 The best anaesthetizing agent in the laboratory is**

- ☐ Sulphuric acid
- ☐ Glycerol
- ☐ Chloroform
- ☐ Sodium pellets

**Q32 Why is it that you do not drink or eat in the lab?**

- ☐ To instill discipline
- ☐ To compel students to fast
- ☐ To avoid poisoning
- ☐ All of the above

**Q33 Why should books, notes and purses be kept in designated places in the lab?**

- ☐ To avoid being burnt
- ☐ To avoid being stolen
- ☐ To avoid cheating
- ☐ To avoid disturbance

**Q34 When a display is ready, it is pasted in the**

- ☐ Toilet
- ☐ Prep room
- ☐ Lecture room
- ☐ Open lab walls and doors

**Q35 You write instructions for display in the laboratory using**

- ☐ A pen
- ☐ A pencil
- ☐ A colour pen
- ☐ A cartographer pen

**Q36 You display instructions in the laboratory using**

- ☐ A tissue paper
- ☐ A duplicating paper
- ☐ A chart paper
- ☐ A news paper

**Q37 In the study of biology, which of these statements is true?**

- ☐ There should be no practical
- ☐ Involves only observations
- ☐ Involves only drawings
- ☐ Practical's should go hand-in-hand with theory

**Q38 Which of the following is critical for good drawings?**

- ☐ Lens
- ☐ Dissecting set
- ☐ Thick cardboard
- ☐ Sharp pencil

**Q39 In practical biology, you -----**

- ☐ Can draw rough lines
- ☐ Can disregard tutor's instructions
- ☐ Follow tutors instructions
- ☐ Can draw out of proportion

**Q40 Field study is carried out in the study of biology to -----**

- ☐ Learn about organisms in situ
- ☐ Learn about how organisms relate to others
- ☐ Learn about the habitat of the organisms
- ☐ All of the above

**Q41 Which of these statements is correct about biological drawings?**

- ☐ Study of specimens is not necessary
- ☐ All curves in a specimen are disregarded
- ☐ Drawing should not be too small or too big
- ☐ Lines of the diagram must be thin and discontinuous

**Q42 Magnification of biological drawing is -----**

- ☐ A mathematical expression

- ☐ Extension of the specimen on paper
- ☐ Expression of the actual size of specimen in mathematical term
- ☐ increase in size of specimens

**Q43 When you make a cut on a fruit from top to bottom along its length, it is also called**

- ☐ Lateral section
- ☐ Ventral section
- ☐ Longitudinal section
- ☐ Transverse section

**Q44 Which of the following items is out of place in the report of your experiments**

- ☐ Date of experiment
- ☐ Purpose of experiment?
- ☐ Materials
- ☐ None of the above

**Q45 One of the following is not a laboratory equipment**

- ☐ Compound microscope
- ☐ Microtome
- ☐ Refrigerator
- ☐ Slide cabinet

**Q46 Which of these is not a glassware?**

- ☐ pH meter
- ☐ Beaker
- ☐ Pipettes
- ☐ Volumetric flask

**Q47 Which of the following equipment utilizes steam for sterilization?**

- ☐ Autoclave
- ☐ Cooker
- ☐ Water bath
- ☐ Distillation plant

**Q48 Which of these items of the laboratory is out of place in the group?**

- ☐ Revolving stool
- ☐ Open shelf
- ☐ Work table
- ☐ Hot plate

**Q49 In the laboratory disposal of spent materials are done on -----**

- ☐ The floor
- ☐ The Sink
- ☐ The incinerator
- ☐ The can

**Q50 To display general instructions in the laboratory, which of the following factors should be least considered?**

- ☐ Legibility
- ☐ Conspicuousness
- ☐ Wordings
- ☐ Attractiveness

**Q51 The labels of stock solutions in the laboratory should contain all except one of these information**

- ☐ Name of Chemical
- ☐ Molarity
- ☐ Name of person that prepared it
- ☐ Date

**Q52 In the operation of an autoclave when the discharge outlet valve is closed, ----- minutes are needed for sterilisation?**

- ☐ 12
- ☐ 10
- ☐ 20
- ☐ 24

**Q53 The operational range of temperature in an incubator is between -----**

- ☐ 22-25°C
- ☐ 22-30°C
- ☐ 24-40°C
- ☐ 22-50°C

**Q54 The culture of microorganisms is best done in the laboratory using**

- ☐ A wooden chamber
- ☐ Open lab tables
- ☐ Laminar flow
- ☐ Prep room

**Q55 Dissecting trays contain-----**

- ☐ Water
- ☐ Paper
- ☐ Wax
- ☐ Wood

**Q56 Used culture plates are better sterilized in the laboratory using-----**

- ☐ Oven

- ☐ Incubator
- ☐ Autoclave
- ☐ Water bath

**Q57 The Transverse Section (TS) of the stem of water leaf is made in the lab using**

- ☐ A knife
- ☐ A scissors
- ☐ A scarpel
- ☐ A razor blade

**Q58 The Pteridophytes are ----- producing vascular plants**

- ☐ Spore
- ☐ Seed
- ☐ Flower
- ☐ Fruit

**Q59 An aspirator has ? tubes**

- ☐ One
- ☐ Two
- ☐ Three
- ☐ Four

**Q60 An aspirator is a device used for collection of ?.**

- ☐ Large insects
- ☐ Small insects
- ☐ Insects
- ☐ Termites

**Q61 The male Agama agama is easily distinguished with its**

- ☐ Blue head
- ☐ Yellow head
- ☐ Red head
- ☐ Black head

**Q62 The African toad protects itself when handled by the production of which fluid?**

- ☐ Watery
- ☐ Caustic
- ☐ Milky
- ☐ Mucoid

**Q63 In the African toad, the snout of the head is -----**

- ☐ Flattened
- ☐ Rectangular
- ☐ Rounded
- ☐ Diagonal

**Q64 In T.zilli the anal fin located-----**

- ☐ Anteriorly
- ☐ Ventrally
- ☐ Posteriorly
- ☐ Dorsally

**Q65 When viewed from the side, the head of T.zilli is what shape?**

- ☐ Rectangular
- ☐ Triangular
- ☐ Circular
- ☐ Oblong

**Q66 Tilapia zilli belongs to the Order**

- ☐ Lamniformes
- ☐ Salienta
- ☐ Perciformes
- ☐ Squamata

**Q67 \_\_\_\_\_constitute the largest number of living vertebrates**

- ☐ The dog fish
- ☐ The bony fish
- ☐ The reptilian
- ☐ The aves

**Q68 The essence of dissecting an animal or insect is**

- ☐ To kill the animal or insect
- ☐ To open up the animal or insect
- ☐ To display the internal organs/system
- ☐ To remove the parts needed

**Q69 To maximize the light gathering ability of the microscope lens, you add \_\_\_\_\_ between the object and the coverglass**

- ☐ Alcohol
- ☐ Water
- ☐ Immersion oil
- ☐ Submersion oil

**Q70 Which of the following statements is incorrect about a microscope?**

- ☐ It is kept in a damp place
- ☐ parts can be removed and replaced
- ☐ Carry it carefully
- ☐ It magnifies objects

**Q71 Animals for dissection are held down on a board or tray with**

- ☐ Sellotape
- ☐ Aradite gum
- ☐ Pins
- ☐ Super glue

**Q72 You open up a rat with**

- ☐ A seeker
- ☐ A forcep
- ☐ Scissors
- ☐ A knife

**Q73 Wearing of a lab coat is**

- ☐ Fanciful
- ☐ Unnecessary
- ☐ Unprofessional
- ☐ Professional

**Q74 What is a lab coat?**

- ☐ A coat like a raincoat worn in the lab
- ☐ A coat made of woolen material worn in the lab
- ☐ A coat made of white material worn in the lab
- ☐ A coat made of rayon material worn in the lab

**Q75 Why is wearing of short in the lab not advisable?**

- ☐ To encourage sluggishness in the lab
- ☐ To prevent immorality
- ☐ To avoid injury
- ☐ To avoid contamination

**Q76 Talking in the lab might**

- ☐ Release saliva to alter experiments
- ☐ Contaminate microbial experiment
- ☐ Catalise some reactions
- ☐ All of the above

**Q77 If you eat in the lab, you are likely to**

- ☐ Injure yourself and alter your results
- ☐ Injure yourself and improve your results
- ☐ Not injure yourself nor alter your results
- ☐ Not injure yourself but alter your results

**Q78 You avoid making noise in the lab because**

- ☐ You do not want to infect others
- ☐ Chemicals can enter you mouth while talking
- ☐ you will disturb others
- ☐ You might loose your teeth to organisms and chemicals

**Q79 You do not smoke in the lab in order to avoid**

- ☐ Contamination
- ☐ Ashes being dropped on tables
- ☐ Smoke
- ☐ Fire

**Q80 You keep the lab clean in order to**

- ☐ Make it clean
- ☐ Help the cleaner
- ☐ Avoid contamination
- ☐ Observe sanitation