top
Default for BIO203 Exam
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Default for BIO203
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Fill in the Blank (FBQs)
FBQ1
_____ and _____ generate the oxygen and sugars that sustains life on earth.

Algae and green plants
1.0000000
Green plants and Algae
1.0000000
Algae, green plants
1.0000000
Green plants, Algae
1.0000000
FBQ2
The only component of an animal cell that is not part of the cytoplasm is _____

Cell membrane
1.0000000
Plasma membrane
1.0000000

0.0000000
FBQ3
Many metabolic functions in cell occur in or on the _____

Membrane
1.0000000

0.0000000
FBQ4
The largest filaments in the cell are called _____

Microtubules
1.0000000

0.0000000
FBQ5
To determine whether predictions are accurate, Botanists perform _____

Experiments
1.0000000

0.0000000

FBQ6
A network of filaments that forms a mechanical support system in the cell is called _____

Cytoskeleton
1.0000000

0.0000000
FBQ7
Cellulose makes up about _____ percentage of the cell wall

60
1.0000000
Sixty
1.0000000
FBQ8
Which component of the cell acts as a barriers to protect cell from harmful substances?

Plasma membrane
1.0000000
Cell membrane
1.0000000
FBQ9
Cell walls formed by cells that have stopped growing because of maturity are known as _____ cell wall

Secondary
1.0000000

0.0000000
FBQ10
Tiny connections between adjacent cells are called _____

Plasmodesmata
1.0000000

0.0000000

0.0000000
FBQ11
The diffusion of water through a selectively permeable membrane is referred to as _____

Osmosis
1.0000000
FBQ12
The oldest Giant Sequoia tree is about _____ years old

3200

1.0000000
3,200
1.0000000
Three thousand two hundred
1.0000000
FBQ13
Dictyosomes are also called _____

Golgi bodies
1.0000000
Golgi apparatus
1.0000000
FBQ14
The active ingredient in herbicide is _____

Glyphosate
1.0000000

0.0000000
FBQ15
The ability to directly manipulate a plants genome began in the year _____

1983
1.0000000

0.0000000
FBQ16
The first law of thermodynamics is otherwise known as the Law of _____

conservation of energy
1.0000000

0.0000000
FBQ17
The process of energy conversion often generates _____

Heat
1.0000000

0.0000000
FBQ18
Cells derive energy for growth from _____ and _____

Sugar and fat
1.0000000
fats and Sugar
1.0000000
Sugar and fats
1.0000000

fat and Sugar
1.0000000
FBQ19
Where are protein manufactured in a cell?

Ribosomes
1.0000000

0.0000000

0.0000000
FBQ20
Endoplasmic reticulum with many ribosomes attached to it is called _____

Rough endoplasmic reticulum
1.0000000
RER
1.0000000
FBQ21
The passage of molecules through membranes was first explained in the year _____

1930
1.0000000

0.0000000
FBQ22
Green plants convert solar energy into _____ energy.

Chemical
1.0000000

0.0000000

0.0000000
FBQ23
The protoplasm is divided into _____and _____

Nucleus, Cytoplasm
1.0000000
Cytoplasm, Nucleus
1.0000000
Nucleus and Cytoplasm
1.0000000
Cytoplasm and Nucleus
1.0000000
FBQ24
The most common molecule in cells is _____

Water
1.0000000

0.0000000
FBQ25
Unrestricted movement of a substance through a biological membrane is called _____

Passive transport
1.0000000

0.0000000

0.0000000
FBQ26
The smallest membrane â€“ bound organelles are called _____

Microbodies
1.0000000
Micro bodies
1.0000000

0.0000000
FBQ27
Adaptations are important for _____

Survival
1.0000000

0.0000000
FBQ28
The streaming movement of organelle is referred to as _____

Cyclosis
1.0000000

0.0000000

0.0000000
FBQ29
The fluid inside the chloroplast is called _____

Stroma
1.0000000

0.0000000
FBQ30
The water potential of pure water is _____:

Zero
1.0000000
0
1.0000000
FBQ31
_____ allows the passage of gases and nutrients into and out of the cell.

Plasma membrane
1.0000000
Cell membrane
1.0000000
FBQ32
Light consists of packets of energy called _____

Photons
1.0000000

0.0000000
FBQ33
Respiration converts carbohydrates to Â-Â-_____

ATP
1.0000000
Adenosine Triphosphate
1.0000000
FBQ34
The energy relationships of living organisms are called _____

Bioenergetics
1.0000000

0.0000000
FBQ35
Each cell in plants consists of smaller enclosures called _____

Organelles
1.0000000

0.0000000
Multiple Choice Questions (MCQs)
MCQ1
Wax bodies are found in the ____.

Plastids

1.0000000
Microbodies

0.0000000

Hyaloplasm

0.0000000
Spherosomes

0.0000000
MCQ2
These following are components of Hyaloplasm except ____.

Proplastids

1.0000000
Lysosomes

0.0000000
Glyoxysomes

0.0000000
Ribosomes

0.0000000
MCQ3
Scientific methods has to do with

all of the options

1.0000000
observing

0.0000000
comparing

0.0000000
reasoning

0.0000000
MCQ4
____ discovered the first microscope.

Robert Hooke

1.0000000
Mathias schleiden

0.0000000
Theodora Schwann

0.0000000
Alexander Fleming

0.0000000
MCQ5
Which of the following is the major component of biological membranes?

phospholipids

1.0000000
carbohydrates

0.0000000
water

0.0000000
Amino aids

0.0000000
MCQ6
The most creative step in the scientific method is

Posing hypotheses

1.0000000
Making predictions

0.0000000
Understanding explanations

0.0000000
Observations

0.0000000
MCQ7
Botanists use _____ to propose hypotheses.

all of the options

1.0000000
past experiences

0.0000000
ideas

0.0000000
observations

0.0000000
MCQ8
Who proposed the cellular basis of life?

Theodora Schwann

1.0000000
Mathias Jacob

0.0000000
Robert Hooke

0.0000000
None of the options

0.0000000
MCQ9
Extensive network of sheet like membranes distributed throughout the cytosol is called _____.

Endoplasmic reticulum

1.0000000
Plasma membrane

0.0000000
Cytoplasm

0.0000000
Ribosomes

0.0000000
MCQ10
The enzymes involved in photosynthesis and in ATP synthesis are embedded in the _____.

Nucleus

1.0000000
Membranes

0.0000000
Ribosome

0.0000000
Cytosplam

0.0000000
MCQ11
Nigerian economy was based on _____ before the advent of oil.

Palm tree and groundnut

1.0000000
Groundnut and sugarcane

0.0000000
Hides and skin

0.0000000
Fruits

0.0000000
MCQ12
Which of the following is the most conspicuous organelle in a cell on staining?

nucleus

1.0000000
cell wall

0.0000000
Plasma membrane

0.0000000
protoplasm

0.0000000
MCQ13
____ suggested that life could arise from non-living matter.

Aristotle

1.0000000
Robert Hooke

0.0000000
Theodora Schwann

0.0000000
Gregory Mendel

0.0000000
MCQ14
In addition to water, vacuoles contain ____.

Enzymes

1.0000000

Salts

0.0000000
Cations

0.0000000
Amino acids

0.0000000
MCQ15
The following are adaptations of plants to their environment except ____.

Metabolism

1.0000000
Dispersal

0.0000000
Conversion of light to chemical energy

0.0000000
Respond to stimuli

0.0000000
MCQ16
Membranes that control or block the passage of some kinds of molecules are referred to as ___ membranes.

differential permeable

1.0000000
differential

0.0000000
permeable

0.0000000
impermeable

0.0000000
MCQ17
_____ is used to make tea to ease the pains of childbirth.

Cherry black

1.0000000
Moringa

0.0000000

Spinach

0.0000000
Black berry

0.0000000
MCQ18
Swimming sperm cells are seen in _____.

seedless plants

1.0000000
trees

0.0000000
fungi

0.0000000
bacteria

0.0000000
MCQ19
Middle East civilization was based on ____.

Wheat and barley

1.0000000
Wheat and rice

0.0000000
Wheat and beans

0.0000000
Wheat and corn

0.0000000
MCQ20
Which of the following organelles produces ATP?

Mitochondria

1.0000000
Nucleous

0.0000000
Smooth Endoplasmic Reticulum

0.0000000
Rough Endoplasmic Reticulum

0.0000000
MCQ21
Perioxysomes are so named because they are:

metabolized hydrogen peroxide

1.0000000
Unique and smooth

0.0000000
Protein Synthesizing organelles

0.0000000
Ribosomes

0.0000000
MCQ22
The energy for passive transport is called _____ energy.

Kinetic

1.0000000
Potential

0.0000000
Chemical

0.0000000
Light

0.0000000
MCQ23
Which of the following is an example of microbodies?

Perioxysomes

1.0000000
Microxysomes

0.0000000
Neuroxysomes

0.0000000
Cycloxysomes

0.0000000
MCQ24
____ controls the movement of chromosomes during nuclear division.

Cytoskeleton

1.0000000
Spindle

0.0000000
Nucleus

0.0000000
Mitochondria

0.0000000
MCQ25
Gibberellins are present in the following except ____.

Bacteria

1.0000000
Angiosperm

0.0000000
Ferns

0.0000000
Algae

0.0000000
MCQ26
Reactions that build up compound and require energy input are called _____.

Reduction

1.0000000
Oxidation

0.0000000
Redox

0.0000000
Endothermic

0.0000000
MCQ27
The conversion of light energy to chemical energy is seen in the process of ____.

Photosynthesis

1.0000000

Respiration

0.0000000
Transpiration

0.0000000
Chemosynthesis

0.0000000
MCQ28
Turgor pressure is vital to plants because it:

causes cell expansion during growth

0.0000000
keeps herbaceous plants upright

0.0000000
supports fleshy stalks

0.0000000
all of the options

1.0000000
MCQ29
The units for measuring energy include

all the options

1.0000000
Watts

0.0000000
Joules

0.0000000
Calories

0.0000000
MCQ30
Questions about plants have been answered by using ____.

Scientific method

1.0000000
Research method

0.0000000
Scientific approach

0.0000000
Research approach

0.0000000
MCQ31
Endosplamic reticulum and the dictyosomes fuse to form larger sacs called ____.

Vacuoles

1.0000000
Vesicles

0.0000000
Visceral sacs

0.0000000
Vaculoleus

0.0000000
MCQ32
Asian civilization was based largely on ____.

Rice

1.0000000
Fruit

0.0000000
Yam

0.0000000
Meat

0.0000000
MCQ33
The smallest cells in plants are found at the ___.

tips of roots

1.0000000
leaves

0.0000000
trunk

0.0000000
bark

0.0000000
MCQ34
Exchange of substances from one cell to another takes place through the ____.

Plasmodesmata

1.0000000
Plasma membrane

0.0000000
Smooth endoplasmic reticulum

0.0000000
rough endoplasmic reticulum

0.0000000
MCQ35
Which of the following is an example of globular proteins found in microtubules?

alpha tubulin

1.0000000
alpha proteins

0.0000000
alpha filaments

0.0000000
alpha filaments

0.0000000
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Fill in the Blank (FBQs)
FBQ1
In dynamic loading, all routines are kept on disk in a ____ format

relocatable
1.0000000

0.0000000

FBQ2
The operating system forms a _____ for other system software and for application software

Platform
1.0000000

0.0000000

0.0000000
FBQ3
The portion of the OS that is always in main memory is called the ____

Kernel
1.0000000
Nucleus
1.0000000
FBQ4
The allocation of the main memory is controlled jointly by the OS and the _____ management hardware in the processor.

Memory
1.0000000

0.0000000
FBQ5
There are _____ major ways in which communication can occur between processes

2
1.0000000
Two
1.0000000
FBQ6
The OS forms the _____ of the computer system

Bedrock
1.0000000

0.0000000
FBQ7
In UNIX systems, a _____ is used to notify a process that a particular event has occurred.

Signal
1.0000000

0.0000000
FBQ8
Division by zero is an example of a _____ signal.

Synchronous
1.0000000

0.0000000
FBQ9
Every signal has a ____ signal handler that is run by the kernel when handling the signal

Default
1.0000000

0.0000000
FBQ10
The general idea behind a thread _____ is to create a number of threads at process startup

Pool
1.0000000

0.0000000
FBQ11
A _____ process contains several different flows of control within the same address space.

Multithreaded
1.0000000

0.0000000
FBQ12
Process execution begins with a CPU _____

Burst
1.0000000

0.0000000
FBQ13
The time it takes for the dispatcher to stop one process and start another running is known as the dispatch _____

Latency
1.0000000

0.0000000
FBQ14
____ effect is when all other processes wait for one big process to get off the CPU

Convoy
1.0000000

0.0000000
FBQ15
In Round-Robin scheduling, the ready queue is treated as a ____ queue

Circular
1.0000000

0.0000000
FBQ16
CPU is allocated to the selected process by the _____.

Dispatcher
1.0000000

0.0000000

0.0000000
FBQ17
_____ modelling takes a particular predetermined workload and defines the performance of each algorithm for that workload.

Deterministic
1.0000000

0.0000000
FBQ18
Analytical methods of algorithm evaluation use _____ analysis to determine the performance of an algorithm

Mathematical
1.0000000

0.0000000
FBQ19
_____ methods determine performance by imitating the scheduling algorithm on a â€œrepresentativeâ€☐ sample of processes, and computing the resulting performance

Simulation
1.0000000

0.0000000

0.0000000
FBQ20
_____ hazards arise in software when separate processes or threads of execution depend on some shared state.

Race

1.0000000

0.0000000
FBQ21
Process _____ refers to the idea that multiple processes are to join up or handshake at a certain point, so as to reach an agreement or commit to a certain sequence of action.

synchronization
1.0000000

0.0000000
FBQ22
_____ synchronization ensures that threads competing for a shared resource do NOT have their execution indefinitely postponed by mutual exclusion

Non-blocking
1.0000000
Non blocking
1.0000000

0.0000000
FBQ23
A synchronization _____ is the location, in a process or collection of threads or processes, where the synchronization occurs.

Point
1.0000000

0.0000000
FBQ24
The traditional approach to multi-threaded programming is to use _____ to synchronize access to shared resources

Locks
1.0000000

0.0000000
FBQ25
In _____ capacity buffer, the sender is blocked until the recipient receives the message.

Zero
1.0000000

0.0000000

0.0000000
FBQ26
In paging, the page number is used as an index into a page ____

Table
1.0000000

0.0000000

0.0000000
FBQ27
Synchronization _____ such as mutexes, semaphores, and critical sections are all mechanisms by which a programmer can ensure that certain sections of code do NOT execute concurrently if doing so would corrupt shared memory structures.

Primitives
1.0000000

0.0000000
FBQ28
Coarse-grained locking can significantly reduce opportunities for ____

Parallelism
1.0000000

0.0000000
FBQ29
Non-blocking synchronization has the potential to prevent _____ inversion

Priority
1.0000000

0.0000000
FBQ30
An algorithm is ____-free if every operation has a bound on the number of steps it will take before completing.

Wait
1.0000000

0.0000000

0.0000000
FBQ31
_____-freedom allows individual threads to starve but guarantees system-wide throughput

Lock
1.0000000

0.0000000
FBQ32
An algorithm is _____-free if every step taken achieves global progress

Lock
1.0000000

0.0000000
FBQ33
The decision about when to assist, abort or wait when an obstruction is met is the responsibility of a _____ manager

Contention
1.0000000

0.0000000
FBQ34
An algorithm is _____-free if at any point, a single thread executed in isolation for a bounded number of steps will complete its operation

Obstruction
1.0000000

0.0000000
FBQ35
_____-freedom demands only that any partially-completed operation can be aborted and the changes made rolled back

Obstruction
1.0000000

0.0000000

0.0000000
FBQ36
Preventing the system from continually live-locking is the task of a ___ manager

Contention
1.0000000

0.0000000
FBQ37
To enter a critical section, a thread must obtain a ____ which it releases on leaving the section

Semaphore
1.0000000

0.0000000

0.0000000
FBQ38

Request and release of resources can be accomplished through the ____ and signal operations on semaphores

Wait
1.0000000

0.0000000
FBQ39
A _____ is also called a deadly embrace

Deadlock
1.0000000

0.0000000
FBQ40
_____ is a special case of resource starvation

Livelock
1.0000000

0.0000000
FBQ41
An address seen by the memory unit is commonly referred to as a ___ address

Physical
1.0000000

0.0000000
FBQ42
The compile-time and ____-time address-binding methods generate identical logical and physical addresses

Load
1.0000000

0.0000000
FBQ43
Paging permits the logical address space to be mapped to a number of equal size blocks called page _____

Frames
1.0000000

0.0000000
FBQ44
In segmentation, each entry of the segment table has a segment ____

Limit
1.0000000

0.0000000

0.0000000
FBQ45
All wait-free algorithms are ____-free

Lock
1.0000000

0.0000000
FBQ46
In ____ loading, a routine is NOT loaded until it is called.

Dynamic
1.0000000

0.0000000

0.0000000
FBQ47
A process can be swapped in and out of memory to a _____ store.

Backing
1.0000000

0.0000000

0.0000000
FBQ48
A thread _____ in user space typically manages fibers.

Library
1.0000000

0.0000000
FBQ49
In a _____ system, only one process can run at a time.

Uniprocessor
1.0000000

0.0000000

0.0000000
FBQ50
CPU _____ is the basis of multiprogrammed operating systems

Scheduling

1.0000000

0.0000000
Multiple Choice Questions (MCQs)
MCQ1
____-bound program usually have a few very long CPU bursts

I/O

0.0000000
CPU

1.0000000
Memory

0.0000000
Kernel

0.0000000
MCQ2
Operating systems can be described by which of the following?

functions

0.0000000
goals

0.0000000
objectives

0.0000000
all of the options

1.0000000
MCQ3
Microsoft Windows is one of the most common ____ systems.

Connected

0.0000000
Application

0.0000000
Compiler

0.0000000
Operating

1.0000000

MCQ4
___ is NOT part of the service offered by the OS in the area of system efficiency.

Resources Allocation

0.0000000
Accounting

1.0000000
Error Detection

0.0000000
All of the options

0.0000000
MCQ5
__ is NOT part of the service offered by the OS in the area of convenience for the user.

Error Detection

0.0000000
Controlled Access

0.0000000
Communications

0.0000000
Error correction

1.0000000
MCQ6
Illegal memory access is an example of ___ signal

Synchronous

0.0000000
Isochronous

0.0000000
Asynchronous

0.0000000
None of the options

1.0000000
MCQ7
Which of the following is NOT true of a thread pool?

It limits the number of threads that exist at any point in time

0.0000000
Faster to service a request

0.0000000
If the pool contains no available thread, the server creates a new one

1.0000000
None of the options

0.0000000
MCQ8
The ____-bound program would typically have many very short CPU bursts

I/O

1.0000000
CPU

0.0000000
Memory

0.0000000
Kernel

0.0000000
MCQ9
A ready queue may be implemented as one of the following EXCEPT ____.

FIFO queue

0.0000000
Priority queue

0.0000000
tree

0.0000000
none of the options

1.0000000
MCQ10
Under which of the following circumstances is there no choice in terms of scheduling?

When a process switches from the running state to the ready state

0.0000000
When a process switches from the waiting state to the ready state

0.0000000
When a process terminates

1.0000000
All of the options

0.0000000
MCQ11
The dispatcherâ€™s function includes _____

Switching context

0.0000000
Switching to user mode

0.0000000
Jumping to the proper location in the user program to restart that program

0.0000000
All of the options

1.0000000
MCQ12
The CPU scheduling algorithm affects _____

the amount of time during which a process executes

0.0000000
the amount of time during which a process does I/O

0.0000000
the amount of time that a process spends waiting in the ready queue

1.0000000
all of the options

0.0000000
MCQ13
Which of the following statement is untrue?

Response Time is the amount of time it takes to start responding

0.0000000
Response Time is the time it takes to output the response

1.0000000
CPU utilization may range from 0 to 100 percent

0.0000000
None of the options

0.0000000
MCQ14
The objective of CPU scheduling is to maximise_____ time.

turnaround

0.0000000
waiting

0.0000000
response

0.0000000
none of the options

1.0000000
MCQ15
____ scheduling is the simplest CPU-scheduling algorithm.

First-Come, First Served

1.0000000
Round-Robin

0.0000000
Priority

0.0000000
None of the options

0.0000000
MCQ16
The code for _____ scheduling is simple to write

FCFS

1.0000000
Round-Robin

0.0000000
Shortest-Job-First

0.0000000
Multilevel feedback queue

0.0000000
MCQ17
_____ scheduling algorithm associates with each process the length of the latterâ€™s next CPU burst

Shortest-Job-First

1.0000000
FCFS

0.0000000
Round-Robin

0.0000000
Priority

0.0000000
MCQ18
_____ scheduling algorithm gives the minimum average waiting time for a given set of processes

Shortest-Job-First

1.0000000
FCFS

0.0000000
Multilevel feedback queue

0.0000000
Priority

0.0000000
MCQ19
The number of threads in the pool can be set heuristically based upon the following factors EXCEPT _____

the number of CPUs in the system

0.0000000
the amount of physical memory

0.0000000
the expected number of concurrent client requests

0.0000000
none of the options

1.0000000

MCQ20
Generally, fibres _____ to create and manage than are kernel threads

are faster

1.0000000
are slower

0.0000000
takes equal time

0.0000000
Are slower

0.0000000
MCQ21
The objective of CPU scheduling is to minimise_____

CPU Utilization

0.0000000
Throughput

0.0000000
turnaround time

1.0000000
all of the options

0.0000000
MCQ22
____ scheduling algorithm cannot be implemented at the level of short-term CPU scheduling.

Shortest-Job-First

1.0000000
First-Come, First Served

0.0000000
Priority

0.0000000
Round-Robin

0.0000000
MCQ23
Which of the following scheduling algorithms is definitely preemptive?

Shortest-Job-First

0.0000000
First-Come, First Served

0.0000000
Priority

0.0000000
Round-Robin

1.0000000
MCQ24
Which of the following is NOT one of the phases of a lock-free algorithm?

completing one's own operation

0.0000000
aborting an obstructing operation

0.0000000
Waiting

0.0000000
none of the options

1.0000000
MCQ25
Which of the following is NOT one of the controls problems that can result from the enforcement of mutual exclusion in process synchronization?

Deadlock

0.0000000
Starvation

0.0000000
Stagnation

1.0000000
none of the options

0.0000000
MCQ26
Which of the following does NOT define Multilevel Feedback Queue Scheduler?

Number of queues

0.0000000

Scheduling algorithms for each queue

0.0000000
The criteria for determining which queue a process will enter when that process needs service

0.0000000
None of the options

1.0000000
MCQ27
Which of the following is NOT a limitation of Queuing Analysis?

The classes of algorithms and distribution that can be handled is limited

0.0000000
It is hard to express a system of complex algorithms and distributions

0.0000000
The accuracy of the computed results may be questionable

0.0000000
None of the options

1.0000000
MCQ28
Which of the following is NOT a disadvantage of simulation?

It can be expensive

0.0000000
Trace tapes can require large amounts of storage space

0.0000000
The design, coding and debugging can be a major task

0.0000000
None of the options

1.0000000
MCQ29
____ is a memory-management scheme that supports user's view of memory

Segmentation

1.0000000
Paging

0.0000000

Fragmentation

0.0000000
All of the options

0.0000000
MCQ30
In which of the following situations can race condition occur?

File system

0.0000000
Networking

0.0000000
Life-critical system

0.0000000
All of the options

1.0000000
MCQ31
A situation where several processes access and manipulate the same data concurrently and the outcome of the execution depends on the particular order in which the access takes place is called _____

race condition

1.0000000
Deadlock

0.0000000
deadly embrace

0.0000000
any of the options

0.0000000
MCQ32
Which of the following is NOT a type of synchronization?

Barrier

0.0000000
lock/semaphore

0.0000000
thread join

0.0000000
none of the options

1.0000000
MCQ33
Certain interactions between locks can lead to error conditions such as ____

Deadlock

0.0000000
Livelock

0.0000000
priority inversion

0.0000000
All of the options

1.0000000
MCQ34
____ scheduling is more appropriate for an interactive system

Shortest-Job-First

0.0000000
First-Come, First Served

0.0000000
Multilevel feedback Queue

0.0000000
Round-Robin

1.0000000
MCQ35
Generally, a lock-free algorithm can run in ____ phases.

Two

0.0000000
Three

0.0000000
Four

1.0000000
Five

0.0000000

MCQ36
_____-freedom is the weakest natural non-blocking progress guarantee.

Obstruction

1.0000000
Wait

0.0000000
Lock

0.0000000
None of the options

0.0000000
MCQ37
Mutual exclusion has ____ levels of concurrency

Two

1.0000000
Three

0.0000000
Four

0.0000000
Five

0.0000000
MCQ38
Which of the following statement is untrue?

a deadlock state is an unsafe state

0.0000000
all unsafe states are deadlocks

1.0000000
in an unsafe state, the operating system cannot prevent processes from request resources

0.0000000
none of the options

0.0000000
MCQ39
For the Banker's algorithm to work, it needs to know ____ things

Two

0.0000000
Three

1.0000000
Four

0.0000000
Several

0.0000000
MCQ40
In paging, every address generated by the CPU is divided into ____ parts.

Two

1.0000000
Three

0.0000000
Four

0.0000000
Several

0.0000000
MCQ41
Which of the following should be used when comparing memory-management strategies?

performance

0.0000000
fragmentation

0.0000000
Swapping

0.0000000
all of the options

1.0000000
MCQ42
Which of the following is used in Intel 386 architecture?

Segmentation

0.0000000

Paging

0.0000000
Segmentation with paging

1.0000000
None of the options

0.0000000
MCQ43
Which of the following is not a condition to be satisfied by critical section problem solution?

Progress

0.0000000
Mutual Exclusion

0.0000000
Bounded Waiting

0.0000000
None of the options

1.0000000
MCQ44
It is next to impossible to setup a ____ incorrectly.

Monitor

1.0000000
Semaphore

0.0000000
Mutex

0.0000000
any of the options

0.0000000
MCQ45
Which of the following is NOT a necessary condition for deadly embrace to occur?

Mutual exclusion

0.0000000
Hold-and-wait

0.0000000

No-preemption

0.0000000
None of the options

1.0000000
MCQ46
There are _____ necessary conditions for deadly embrace to occur

Two

0.0000000
Three

0.0000000
Four

1.0000000
Several

0.0000000
MCQ47
Which of the following is NOT a "busy-wait" software solution for enforcing mutual exclusion?

Message passing

0.0000000
Monitor

0.0000000
Semaphores

0.0000000
None of the options

1.0000000
MCQ48
In _____ Scheduling, a process that uses too much CPU time is degraded to a lower-priority queue.

Multilevel Feedback Queue (MLFQ)

1.0000000
Multilevel Queue (MLQ)

0.0000000
Round-Robin

0.0000000
Priority

0.0000000
MCQ49
_____ different types of models relate user-level threads and kernel-level threads.

Two

1.0000000
Three

0.0000000
Four

0.0000000
Several

0.0000000
MCQ50
The main disadvantages of _____ kernels are the dependencies between system components.

Exo

0.0000000
Micro

0.0000000
Monolithic

Nano

0.0000000
19/11/2019, 09:03 - New TMA Agent Martins: top
Default for ESM104 Exam
The default category for questions shared in context 'ESM104 Exam'.
top
Default for ESM104
The default category for questions shared in context 'ESM104'.
Fill in the Blank (FBQs)
FBQ1
Any area on the earth's surface consisting of organisms interacting with one another

and with the physical environment is call ____

Ecosystem
1.0000000

0.0000000
FBQ2
Aerosols have a ___ effect on the temperature of the lower atmosphere.

Cooling
1.0000000

0.0000000
FBQ3
____ floods are of three types

Coastal
1.0000000

0.0000000
FBQ4
Ozone may also be destroyed by._____

Nitrogen oxides
1.0000000

0.0000000
FBQ5
The 'Rio 92' is popularly called the ____

Earth Summit
1.0000000

0.0000000
FBQ6
Climate change will surely have implications on sustainable ___

Development
1.0000000

0.0000000

0.0000000
FBQ7
Industrial pollution control in Nigeria is under the ____

Federal Environmental Protection Agency
1.0000000
FEPA

1.0000000
FBQ8
____ is the study of inland, surface and underground. Including its properties, distribution, movement and utilization

Hydrology
1.0000000

0.0000000
FBQ9
Global warming result in melting of. ____

Polar glaciers
1.0000000

0.0000000

0.0000000
FBQ10
Nothing is new about environmental science except for its _____

View points
1.0000000

0.0000000
FBQ11
Coastal floods are the most _____ because they almost always result in compound hazards

Dangerous
1.0000000

0.0000000

0.0000000
FBQ12
____can be defined as a synthesis of weather data

Climate
1.0000000

0.0000000
FBQ13
Acidification of the environment can cause ____

Acid Rain
1.0000000

1.0000000

FBQ14
____and acid rain pollution are twin brothers that always go together

Industrialization
1.0000000
Modernization
1.0000000
FBQ15
According to ____environmental science can be defined as the study of all systems of air, land, water, energy and life that surrounds man.

Strahler and Strahler
1.0000000

0.0000000
FBQ16
Water is a ____ agent important for the process of weathering

Geomorphic
1.0000000

0.0000000
FBQ17
Flash floods are often the results of ____

convection storms
1.0000000

0.0000000

0.0000000
FBQ18
Environmental system contains ___ which must be understood in order to be able to solve several problems.

Complex processes
1.0000000

0.0000000
FBQ19
The level at which the stratosphere gives way to the mesophere is known as the ____

Stratopause
1.0000000

0.0000000

0.0000000
FBQ20

Nile Valley is an area with about ____ persons per square kilometre is one of the most densely settled parts in the African Continent.

900
1.0000000
Nine hundred
1.0000000
FBQ21
In _____ interaction is on the realms of Physical phenomenon

Geoscience
1.0000000

0.0000000
FBQ22
The hydrological cycle consists of ____ phases.

Two
1.0000000
2
1.0000000
FBQ23
Riverine floods are caused by precipitation acting either directly by ____.

Rainfall
1.0000000

0.0000000

0.0000000
FBQ24
Radioactivity is the most important source of energy in the ____

Lithosphere
1.0000000

0.0000000
FBQ25
Floods also have other beneficial uses if they can be properly ___ and managed.

Controlled
1.0000000

0.0000000
FBQ26
The global concern for human environment started in ____

1949
1.0000000

0.0000000
FBQ27
____ performs the functions of absorbs ultraviolet radiation harmful to living things.

Ozone
1.0000000

0.0000000
FBQ28
Climatologists define ____ in terms of deviation from long term mean of rainfall in a given area.

Drought
1.0000000

0.0000000
FBQ29
Flood is the most paradoxical of all the ____

Extreme events
1.0000000

0.0000000

0.0000000
FBQ30
SO2 can be said to have a ___ effect on the health.

Dangerous
1.0000000

0.0000000

0.0000000
FBQ31
The fairly ____ part of the atmosphere is referred to as the homosphere.

Homogenous
1.0000000

0.0000000
FBQ32
The concept of environmental ____was developed as a general theoretical framework to explain the pattern of human activities in the earth surface.

Determinism
1.0000000

0.0000000

0.0000000
FBQ33
The effective environment is everything external to the organism which effects the fulfilment of that _____

Organism
1.0000000

0.0000000
FBQ34
The layer after the troposphere is the ____

Stratosphere
1.0000000

0.0000000
FBQ35
The ____ is also referred to as the organic world

Biosphere
1.0000000

0.0000000
Multiple Choice Questions (MCQs)
MCQ1
Most of the rocks in the earth's crust are ____ in origin.

Magma

0.0000000
Sedimentary

0.0000000
Metamorphic

0.0000000
Igneous

1.0000000
MCQ2
In ____, interaction is on the realms of physical phenomenon

Geoscience

1.0000000
Geography

0.0000000
Environment

0.0000000
Physic

0.0000000
MCQ3
____ is the lowest layer of the atmosphere

Inosphere

0.0000000
Biosphere

0.0000000
Troposphere

1.0000000
Stratosphere

0.0000000
MCQ4
____is the important source of energy in the lithosphere

Sun

0.0000000
Radioactive

1.0000000
Mantle

0.0000000
Pressure

0.0000000
MCQ5
The freezing point is ____

100Â°C.

0.0000000
10Â°C

0.0000000
0Â°C

1.0000000

10Â°C

0.0000000
MCQ6
____ is the scientific study of surface and underground, including its properties, distribution, movement and utilization.

Waterlogy

0.0000000
Urology

0.0000000
biogeography

0.0000000
Hydrology

1.0000000
MCQ7
____gives way to the stratosphere..

Mesopause

0.0000000
Stratopause

0.0000000
Tropopause

1.0000000
Inopauase

0.0000000
MCQ8
One of the following is not an important agent of weathering ____

Water

0.0000000
atmosphere

1.0000000
Wind

0.0000000
Plant and animal

0.0000000

MCQ9
The organic world is referred to as the ____

Lithosphere

0.0000000
Biosphere

1.0000000
Fauna

0.0000000
Flora

0.0000000
MCQ10
The hydrological cycle consists of ____ phases.

Two

1.0000000
Three

0.0000000
four

0.0000000
five

0.0000000
MCQ11
_____are all the organisms which depend on the producers for food

Suppliers

0.0000000
Consumers

1.0000000
Developers

0.0000000
Givers

0.0000000
MCQ12
The doctrine or concept of environmental determinism is an idea among ____

Biogeographers

0.0000000
Climatologists

0.0000000
Geographers

1.0000000
Economists

0.0000000
MCQ13
Beneath the lithosphere is the ____

Core

0.0000000
Mantle

1.0000000
Crust

0.0000000
Sub-terrainian cavity

0.0000000
MCQ14
____ produces about 3.5 million tones of SO2 per year, making it the fourth biggest producer in the world.

Nigeria

0.0000000
USA

0.0000000
United Kingdom

1.0000000
South Africa

0.0000000
MCQ15
____popularly called the Earth Summit also made provision for the cutting of S02 and N02.

Nigeria 92

0.0000000

Canada 92

0.0000000
Rio 92

1.0000000
South Africa 92

0.0000000
MCQ16
____ absorbs ultraviolet radiation harmful to living things

Ozone

1.0000000
Atmosphere

0.0000000
Strastophere

0.0000000
Biosphere

0.0000000
MCQ17
Ward (1978) recognized ____ types of river floods related to different causal factors

Three

0.0000000
Two

1.0000000
Four

0.0000000
Five

0.0000000
MCQ18
____ have always been attractive locations for towns.

Plain lands

0.0000000
Riverbanks

1.0000000
Mountain tops

0.0000000
Igneous formations

0.0000000
MCQ19
____ have other beneficial uses if they can be properly controlled and managed.

Fires

0.0000000
Disasters

0.0000000
Floods

1.0000000
Draughts

0.0000000
MCQ20
Change in ____ climate will no doubt have planning implications

climate

1.0000000
Water

0.0000000
Life

0.0000000
Attitude

0.0000000
MCQ21
Industrialization and modernization causes environmental the following except ____

Afforestation

1.0000000
Flooding

0.0000000
Air pollution

0.0000000
Surface water pollution

0.0000000
MCQ22
The effective environment is everything external to the _____

man

0.0000000
people

0.0000000
organism

1.0000000
plant

0.0000000
MCQ23
There are ____ types of environment

Five

0.0000000
Four

0.0000000
Three

0.0000000
Two

1.0000000
MCQ24
The only new thing about environmental science is its _____

Understanding

0.0000000
View points

1.0000000
Expression

0.0000000
Scholars

0.0000000
MCQ25
The study of _____ will stress the understanding of the natural system and the processes of the earth.

nature

0.0000000
geography

0.0000000
environmental science

1.0000000
population

0.0000000
MCQ26
This fairly homogenous part of the ____ is referred to as the homosphere.

lithosphere

0.0000000
Earth crust

0.0000000
atmosphere

1.0000000
Biosphere

0.0000000
MCQ27
The natural environment refers to ____and non-social environment before the advent of man on earth.

Non-cultural

1.0000000
Non-economical

0.0000000
Non-political

0.0000000
Artificial

0.0000000
MCQ28
The is earth's crust also known as the ____

Mantle

0.0000000
Atmosphere

0.0000000
Lithosphere

1.0000000
Litology

0.0000000
MCQ29
An ecosystem is any area on the earth's surface consisting of organisms interacting with one another and with the ____

Man

0.0000000
Physical environment

1.0000000
Atmosphere

0.0000000
Climate

0.0000000
MCQ30
The concept of environmental ____ was developed as a general theoretical framework to explain the pattern of human activities in the earth surface.

Possibilism

0.0000000
Determinism

1.0000000
Probabilism

0.0000000
Perception

0.0000000
MCQ31
The _____ is densely populated with living organisms.

ecosystem

0.0000000
Biosphere

1.0000000
Environment

0.0000000
Surroundings

0.0000000
MCQ32
____ emphasizes the scope of man's freedom of action rather than the limit sit by the physical environment.

Perception

0.0000000
Determinism

0.0000000
Possibilism

1.0000000
Environmentalism

0.0000000
MCQ33
____ define drought in terms of deviation from long term mean of rainfall in a given area.

Meteorologist

0.0000000
Climatologists

1.0000000
Geomorpholist

0.0000000
Environmentalist

0.0000000
MCQ34
The environment disasters does not recognize ____ boundaries

cultural

0.0000000
economic

0.0000000

political

1.0000000
social

0.0000000
MCQ35
The United Nations Conference on the Human Environment held on Stockholm in ____

1998

0.0000000
1972

1.0000000
1987

0.0000000
1970

0.0000000