



VISWASAI MEDICAL ACADEMY

NELLORE & TIRUPATI

BIPC

BOTANY

(Living World & Biological Classification)

WORK SHEET - 1

- Identify an organism in the given list in which asexual reproduction is absent?
1) Albugo 2) Agaricus
3) Saccharomyces 4) Alternaria
- In which list all are caused by viruses?
1) Cholera, malaria, elephantiasis
2) Typhoid, Rabies, Tetanus
3) Flu, small pox, Corona
4) Dengue, Tuberculosis, polio
- Find the correct statement
1) all living organisms show reproduction
2) Non living objects never grow
3) National botanical garden is located at Howrah.
4) Keys are analytical in Nature.
- DNA is not the genetic material in
1) TMV 2) T₂ Phage
3) HIV 4) 1 and 3
- Find the wrong statement
1) All chemical reactions of organisms are catalysed by enzymes
2) Viruses have no metabolism
3) Some cellular organisms are not included in 5 kingdom classification
4) Metabolism and reproduction are the unique features of living organisms
- Find a common point among viruses, viroids, prions and lichens.
1) All have cellular organisation
2) All have DNA as genetic material
3) All show metabolism
4) All are not included in 5 kingdom classification
- Chemical nature of the infectious agent of mad cow disease.
1) Protein 2) RNA
3) Nucleoprotein 4) DNA
- Non cellulosic cell wall is present in
1) Diatoms only
2) Diatoms and fungi
3) Diatoms fungi & bacteria
4) Diatoms, fungi, bacteria & viruses
- Maximum metabolic diversity is found in
1) Eubacteria 2) Archebacteria
3) Cyanobacteria 4) Fungi
- the shape of bacteria is due to
1) Cell wall 2) Glycocalyx
3) Cell membrane 4) Mesosomes
- Which organism reproduces asexually by conidia?
1) Puccinia 2) Ustilago
3) Trichoderma 4) Mucor
- Protistan having straggling effect (maximum) on human population is
1) Guanyalax 2) Plasmodium
3) Trypanosoma 4) Euglena
- Shells of marine amoeboid protozoans contain
1) Calcium 2) Silica
3) Mg 4) Cellulose
- Find the correct match

List - I				List - II			
I) Rhizopus				A) Longitudinal fission			
II) Clostridium				B) Conidia			
III) Penicillium				C) Endospores			
IV) Euglena				D) Sporangiospores			
I	II	III	IV	I	II	III	IV
1) D	A	B	C	2) B	C	A	D
3) D	C	B	A	4) A	B	C	D

15. Fruiting body of Asperigillus is called
 1) Ascus 2) Ascospore
 3) Ascocarp 4) Basidium
16. Site of Karyogamy and meiosis in Basidiomycetes
 1) Basidium - Primary mycelium
 2) Basidium - Basidium
 3) Primary mycelium - Secondary mycelium
 4) Ascus - Basidium
17. Major producers of the ocean mainly reproduce by
 1) Conidia 2) Budding
 3) Fission 4) Fragmentation
18. A: Form blooms in polluted waters.
 B: Dissapear from polluted places.
 Identify A & B correctly.
 A B
 1) Eubacteria - Cyanobacteria
 2) Lichens - Cyanobacteria
 3) Cyanobacteria - Lichens
 4) BGA - Green algae
19. Herpes in human is caused by
 1) Virus 2) Bacteria
 3) Viroid 4) Fungi
20. Find the wrong statement
 1) Archebacteria can survive in adverse conditions
21. Find the incorrect statement
 1) Each basidiocarp of mushrooms produce 4 basidiospores
 2) Heterocysts help in nitrogen fixation
 3) Some bacteria are autotrophs but can not perform photosynthesis
 4) Cyanobacteria are non motile
22. Red pigment present in blue green algae
 1) Phycocyanin 2) Carotene
 3) Phycoerythrin 4) Phytochrome
23. Identify a moneran performing oxygenic photosynthesis.
 1) Chlorobium 2) Spirogyra
 3) Chromatium 4) Nostoc
24. Which is applicable to monerans?
 1) Peroxisomes 2) Polysomes
 3) Lysosomes 4) Nucleosomes
25. Bacteria and Viruses were discovered by & respectively.
 1) Robert Hooke - Beijerinck
 2) Pasteur - Beijerinck
 3) Leeuwenhoek - Louis Pasteur
 4) Leeuwenhoek - Iwanowsky

KEY

1	2	2	3	3	4	4	4	5	4	6	4	7	1	8	3	9	1	10	1
11	3	12	2	13	2	14	3	15	3	16	2	17	3	18	3	19	1	20	4
21	1	22	3	23	4	24	2	25	4										

- SETTER: SRI BKM -