MEDICAL UNIVERSITY OF VARNA

DEPARTMENT OF BIOLOGY

"HUMAN BIOLOGY" COURSE FOR 1st YEAR STUDENTS
DENTAL MEDICINE

QUESTIONNAIRE

1. Development of the concepts for origin of life. Theory of Oparin and Holdane.
2. Parasitism as a biological event. Parasites and hosts.
3. Relationships between parasite and host and its medical significance.
4. Taxonomy of Invertebrates. Parasitic forms.
5. Characterization of kingdom *Protista*. Phylum *Sarcomatigophora*. Subphylum *Sarcodina. Entamoeba histolytica.*
6. Subphylum *Mastigophora* – genus *Lieshmani*a and genus *Trypanosoma.*
7. Genus *Trichomonas* and genus *Lamblia.*
8. Phylum *Sporozoa*. Genus *Plasmodium* and genus *Toxoplasma*- representatives and medical significance.
9. Prylum *Ciliophora*- characterization. *Balantidium coli*. Transition to multicellular animals.
10. Phylum *Platyhelminthes* (flat worms) – characterization. Class *Trematoda. Fasciola hepatica* and *Dicrocoelium lanceatum* – characterization and medical significance.
11. Class *Cestoda* (tapeworms*). Taenia solium* and *Taenia saginata* – characterization and medical significance.
12. *Echinococcus granulosus* (dog tapeworm) - characterization and medical significance.
13. Phylum *Nemathelmintes* (round worms) – characterization. Class *Nematoda. Enterobius vermicularis* and *Ascaris lumbricoides*- biological cycle and medical significance.
14. *Trichinella spiralis* and *Trichocephalus trichiurus* - characterization and medical significance.
15. Phylum *Arthropoda*. Class *Arachnida* (spiderlike). Scorpiones and Spiders - characterization and medical significance.
16. Subclass *Acari* (ticks). Order *Parasitiformes* – characterization. *Acarus siro*. Ticks from genus *Ixodes* and *Argas*. Transmissive diseases.
17. Class *Insecta*. Genus *Pediculus* and genus *Phthirius* - characterization and medical significance.
18. *Cimex lectularius* and *Pulex irritans* - characterization and medical significance.
19. Genus *Culex* and genus *Anopheles*. *Phlebotomus papatasii* - characterization and medical significance.