

Basic Microbiology

Sr. No	Topic name	E Content
1	introduction to microbiology, history of microbiology	https://www.slideshare.net/sarah_lumali/1-introduction-to-microbiology
	application of microbiology	http://www.biologystudy.com/microbiology-2/applications-microbiology-2/17-applications-of-microbiology/71675
2	morphological structure of bacterial cell	https://www.researchgate.net/publication/315803754_MORPHOLOGY_AND_CLASSIFICATION_OF_BACTERIA
3	bacterial nutritional requirement and bacterial growth curve	https://www.researchgate.net/publication/315803754_MORPHOLOGY_AND_CLASSIFICATION_OF_BACTERIA
4	morphological classification of bacteria	https://www.researchgate.net/publication/315803754_MORPHOLOGY_AND_CLASSIFICATION_OF_BACTERIA
5	Microscopy - principle and care, working of compound microscope	
	Principle of (i) dark field microscope (ii) fluorescent microscope	https://www.researchgate.net/publication/315803754_MORPHOLOGY_AND_CLASSIFICATION_OF_BACTERIA
	(iii) phase contrast microscope and (iv) electron microscope	
6	sterilization and its various methods	https://www.slideshare.net/saravananchandran712/sterilization-methods-of-parenterals?qid=d150665c-8f0b-45f9-b78d-006a25d32ba4&v=&b=&from_search=5
	Antiseptics and disinfectants- Introduction, types, use of disinfectants and antiseptic	
7		https://www.slideshare.net/arkam741/antiseptic-and-disinfectant-88221452?qid=ff8ead9f-a35f-4146-a1f8-be06c52f8e0a&v=&b=&from_search=5
8	Ideal culture media and its types (Liquid and Solid media, Defined and synthetic media, Enriched, Selective, Indicator, and Transport media)	https://en.wikipedia.org/wiki/Growth_medium
9	Methods of smear preparation, Procedure of Gram stain, Ziehl-Neelsen's (Z-N) stain, Albert Stain	http://www.microrao.com/staining.htm
10	Identification & characteristics of bacteria by biochemical test	http://qu.edu.ig/ef/pluginfile.php/55907/mod_resource/content/1/biochemical%20test.pdf
	Motility demonstration methods	http://vlab.amrita.edu/?sub=3&brch=73&sim=697&cnt=1
	microscopic examination of bacteria	https://www.slideshare.net/DanaSinzianaBreharCi/macrosopic-and-microscopic-examination-in-bacteriology
11	Disc Diffusion method - principle, procedure and precautions	https://repository.seafdec.org.ph/bitstream/handle/10862/1635/Chapter2-Disk-Diffusion-Method.pdf?sequence=1&isAllowed=y
12	morphology, staining, culture, biochemical characteristics of staphylococci	https://www.slideshare.net/binuenchappanal/staphylococci-66024904?qid=ee97b488-a41c-4e67-807a-71b0dd58ad7b&v=&b=&from_search=2
	morphology, staining, culture, biochemical characteristics of streptococci	https://www.slideshare.net/binuenchappanal/streptococcus-66045829
	morphology, staining, culture, biochemical characteristics of E.coli and salmonella	https://www.slideshare.net/AnikBanik2/salmonella-and-ecoli-infection-106240583?qid=99019379-c564-4087-8597-497e7ca5509a&v=&b=&from_search=6
	morphology, staining, culture, biochemical characteristics of vibrio cholera	https://www.slideshare.net/RaNaMB1/vibrio-cholera-and-all-about-it?qid=253ebbc7-9483-4925-8aa9-8fb7621f805a&v=&b=&from_search=
	morphology, staining, culture, biochemical characteristics of mycobacterium tb	https://www.slideshare.net/promotemedical/mycobacterium-22065521
	morphology, staining, culture, biochemical characteristics of proteus	https://www.slideshare.net/ElafAbdulhakem/proteus-spp-2?qid=53b607d7-dca5-4ba5-9604-9410513cd8ac&v=&b=&from_search=7
	morphology, staining, culture, biochemical characteristics of T. pallidum	https://www.slideshare.net/bond2214/syphilis-14164964?qid=15a21703-d3f5-461c-a46a-9cb7c203e3cd&v=&b=&from_search=1
13	Bacterial pathogenicity, its types, sources of infection	https://en.wikipedia.org/wiki/Infection
14	nosocomial infection	https://en.wikipedia.org/wiki/Hospital-acquired_infection
15	lab diagnosis of RTI	https://slideplayer.com/slide/3936776/
	wound infection	https://www.drugs.com/cg/wound-infection.html
	UTI	https://www.slideshare.net/crisbertc/urinary-tract-infection-presentation
	intestinal infection	http://www.biomerieux-diagnostics.com/gastrointestinal-infections
	enteric fever	https://www.slideshare.net/srinivaskinjarapu/enteric-fever-44129429?qid=23ba2ee6-fb3d-423c-bf95-6473ddd93c0a&v=&b=&from_search=9