B.Sc. (Part – I) (Semester I) CBCS (NEP) Examination Mar/Apr-2024 Balasaheb Desai College, Patan Microbiology Subject Code –88185 Basic techniques in Microbiology (Paper –II)

Day and Date –Thursday, 04/04/2024 Time – 2.30 pm to 4.30 p.m.	Total Marks- 40 Period- 2 hours Total Pages- 02
Instruction - 1) All the questions are compulsory.	100011 4505 02
2) Figures to the right indicate full marks.	
3) Draw neat labelled diagrams wherever	necessary.
Q.1 Rewrite the following sentences choosing the correct alter	natives given below. 08
1 oil is used to observed slide under oil immersion micr a) Coconut oil b) Olive oil c) Cedar wood oil d) groundne	_
2 staining is an example of differential staining procaulary and Acid fast b) Capsule c) Negative d) Cell wall	edure.
3is stained by acid fast staining procedure. a) Lactobacillus b) Mycobacterium c) Corynebacterium	
4. In Electron microscope ————————————————————————————————————	n gun.
a) Copper b) Tungsten c)Aluminium d)Iron	ro
5 acts as a Counter stain in Gram's staining procedur a) Saffranin b) 95% alcohol c) Gram's iodine d) Crysta	
6. Numerical aperture is	i violet
a) n sin θ b) n Sin α c) n cos θ d) None	
7. The chemical agent used against sepsis is called as	
a) Sterilization b) Antiseptic c) Germicide d) Disinfectar	
8 process does not kill endospores.	
a) Autoclave b) Incineration c) Hot air Sterilization d) F	Pasteurization
Q.2 Attempt following question (Any Two)	(16)
 Define Microscope. Explain compound microscope wire diagram, working and applications. 	ith its Principle, Ray
2. Give different methods used for sterilization using diff3. Give the procedure and mechanism of monochrome st	
Q. 3 Write short notes on (any four)	(16)
 Types of stain Negative staining 	P.T.O.

- 3. Radiations as sterilizing agent.
- 4. Scanning Electron Microscopy
- 5. Procedure of Gram Staining
- 6. Autoclave
