

SHIVAJI MAHAVIDYALAYA, GADCHIROLI

SESSION-2021-22

SUBJECT-MICROBIOLOGY

CLASS-B.Sc 3rd year

SEM-V

Date-

Max Marks-30

Practical

25 marks

- 1 EMB agar is used for differentiation of *Enterobacter aerogen* and
a) *E. coli* b) *S. aureus* c) *Bacillus subtilis* d) *Pseudomonas sp.*
- 2 In Mac Conkey Agar crystal violet and..... inhibit the growth of Gram positive species.
a)NaCl b)Peptone c)Sodium Sulphate d)Bile salts
- 3 Media is used for the examination of potable water, dairy products and food.
a)Nutrient agar b) EMB agar c) ENDO agar d) PDA agar
- 4 T.S.I in biochemical examination of microorganism stands for..... Agar.
a) Turbocharged stratified injection b) Triple sugar Iron c) Total Solar Irradiance d) Thyroid Stimulating Immunoglobulins.
- 5 *E. coli* is classified under Family.
a)Enterobacteriaceae b)Acidobacteriaceae c)Aquificae d)verrucomicrobia
- 6 Strain grow red to pink on Mac Conkey Agar.
a)Endotoxin producing b) lactose fermenting c) exotoxin producing d) lactose non fermenting.
- 7 In chromatography 'Rf' stands for
a)Radio frequency b)Retention factor c)remote frequency d) representative factor
- 8 *Staphylococci* is Gram positiveShape organism.
a)Rod b) cocci c)vibrio d)spiral
- 9 MSA is recommended for the detection and enumeration of.....positive staphylococci in milk, food.
a)Lecithinase b)amylase c)glucose d)coagulase
- 10 What is MIC in antibiotic susceptibility testing?
a)message integrity code b) market intelligence center c)minimum inhibitory concentration d)maximum inhibitory concentration.
- 11 Mac Conkey agar is earliest differential medium for the cultivation of
a)Urinary track pathogens b) Enteric microorganisms c) oral pathogens d) epidermal microorganisms
- 12is added as pH indicator in MSA media.

- a)phenol red b)Methylene blue c)Ink d)Saffranine
- 13 *Staphylococcus aureus* show coloured colonies on MSA
a)yellow b)red c)pink d)blue
- 14 *Proteus* converts phenyl alanine to
a)phenyl acetic acid b)phenyl citric acid c)phenyl pyruvic acid d)phenol
- 15 Media is recommended for growth of urease producing *proteus species*.
a) EMB agar b) MSA agar c) UTI agar d) Urea agar base
- 16is primary source of carbon in bismuth sulphate agar.
a)Fructose b) glucose c)NaCl d)Mannitol
- 17 Phenyl alanine agar was developed by
a)Robert Koch b)R.J. Petri c) Ewing d)R.S. Sharma
- 18 On Mac Conkey agar *Proteus sp.* showcoloured colonies.
a)green b)blue c)yellow d)red
- 19 Filter paper is used in chromatography experiment.
a)tissue b)Whatman's c) news paper d) 70 GSM paper
- 20 Chromatography is used for.....of closely related compounds.
a)Fusion b)analysis c)separation d)mixing
- 21 Dengue is caused due to.....virus.
a)HIV b) Flavi c)Tobacco mosaic d) corona
- 22 For cholesterol test..... device is used.
a)spectrophotometer b)Autoclave c)mobile d)thermometer
- 23 *Proteus bacilli* after incubation period of 24 hrs. changes colour of Urea base agar to
a)light pink b)light green c) dark pink d) dark red
- 24 Indicator present in Bismuth sulphite Agar is
a)methyl orange b)phenol red c) brilliant green d) methyl red
- 25is Dengue Antigen
a)NS1 b)NS2 c)NS3 d)NS4

Answer in one sentence

5 marks

1. What is full form of SGPT
2. Define chromatography.
3. What is vaccine?
4. Define infection.
5. Enlist any two types of centrifuge.