

Mark Scored:

KATHMANDU UNIVERSITY
End Semester Examination
August/September, 2017

Level : B. Pharm.
Year : III

AUG - 2017
Course : PHAR 313
Semester : II

Exam Roll No. :

Time: 30 min

F. M. : 20

Registration No.:

Date :

SECTION "A"

[20 Q × 1 = 20 marks]

Check (✓) the correct answer of the following multiple choice questions.

1. method is suitable for storage of high yielding strains for several years.
[a] Refrigeration [c] Lyophilization
[b] Agar slop under paraffin [d] All of the above
2. Fatty acids are added asin the fermentation medium.
[a] Antifoaming agents [c] Growth factor
[b] Buffer [d] Chelators
3. Which of the following statement is **False**?
[a] Phenyl acetic acid (PAA) supplies the side-chain of benzyl penicillin.
[b] Without PAA, the organisms synthesize small quantities of this penicillin.
[c] PAA suppresses the formation of other (unwanted) penicillin.
[d] None of the above
4. Antimicrobial property ofis inactivated by adding thioglycollate.
[a] Cresols [c] Alcohol
[b] Arsenic compounds [d] Tween-80
5. Media suitable for sterility test must.....incubating for not less than 7 days.
[a] not show growth after
[b] not show growth after seeding with viable microorganisms and
[c] show growth after seeding with viable microorganism and
[d] Both a and c
6. Which of the following vaccine does not provide lifetime protection?
[a] Polio [b] Tetanus [c] DPT [d] Small pox
7. Antitoxins are largely associated with..... globulins.
[a] Alpha [b] Beta [c] Gamma [[d] Delta
8. For assay of human thrombin product, determination of is performed.
[a] Hemoglobin value [c] Protein content
[b] Clotting doses per mg [d] All of the above

9. Clotting factor is not present in
 [a] Fibrinogen [b] Thrombin [c] Immunoglobulin [d] All of the above
10. Pyrogen test must be performed for
 [a] Whole blood [c] Human plasma protein fraction
 [b] Concentrated RBC [d] None of the above
11. Which of the following statement is **False**?
 [a] Antiseptics should be compatible with soaps and detergents.
 [b] Diluted Povidone-Iodine has more bactericidal activity than concentrated one.
 [c] Temperature has an effect on radiation resistance.
 [d] Dilution of disinfectant having concentration exponent (> 1) will increase its activity.
12. is chief source of heat transfer in hot air oven.
 [a] Conduction [c] Radiation
 [b] Convection [d] All of the above
13. For which sterilization method Royce Sachet is used as chemical indicator?
 [a] Dry heat [c] Ethylene oxide
 [b] Moist heat [d] Ionising radiation
14. Phenolics are effective in..... condition.
 [a] Acidic [b] Basic [c] Neutral [d] Dilute
15. Treatment at denatures pyrogens.
 [a] 250 °C for 30 mins [c] 230 °C for 30 mins
 [b] 250 °C for 45 mins [d] 230 °C for 45 mins
16. Beta radiation is
 [a] Non-ionising radiation [c] Not used in sterilization
 [b] Ionising radiation [d] None of the above
17. is used for bacteriostatic test of semisolids.
 [a] Streptomyces albus [c] Staphylococcus aureus
 [b] Pseudomonasaeruginosa [d] Salmonella enterica
18. For carrier test of disinfectant utilizing Pseudomonasaeruginosa to pass a 60 carrier test at least..... of the surfaces must demonstrate complete disinfection.
 [a] 59 [b] 54 [c] 57 [d] 56
19. Freezing is done in.....method.
 [a] Azotropic [b] Salt precipitation [c] Predigestion [d] None
20. Which of the following statement regarding alcohol is FALSE?
 [a] It has sporicidal activity [c] Cannot penetrate protein rich material
 [b] Used for disinfection [d] It is not used for sterilization