

AIIMS CRE-5



LAB TECHNICIAN

**CHECK YOUR
ANSWER**

PAPER SOLUTION



क्या रहेगी CUT-OFF?



1. CBNAT test used for

~~A.~~ MTB

Staphylo / strepto

Mycobact.

(A)

time (Second) (Min)

02. Patient PT-INR test result show 6.6, what should tech. do?

A. Repeat sample

~~B.~~ Alert physician nurses

C. Monitor patient

D. Record result in medical records

(B)

03. Blood sample for 1 year old baby by which method.

A) Middle area of middle finger

~~B) off middle area of middle finger~~

C) middle portion of thumb

d) off Middle area of thumb

✓
Ring finger

ⓑ
✓

1 year
से छोटा
(Thumb)

1 year or older
Middle finger.

04. pH electrode should be placed in

A. Normal saline

B. Distilled water

☒ C. Kcl

D. Hcl

C

4M or 5M

05. Blood culture bottle contain what?

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CRF $\rightarrow 4/5$

~~A.~~ BHI Brain Heart fusion

B. Peptone Whiter Water

C. SDA

Priority

(A)

D. Tryptic Soy Broth

(AHG) $\rightarrow$

(Neg.)

06. Neg. Coombs test indicates what?

(A)

Safe & Sound

~~A.~~ Blood transfusion is compatible

B. Blood transfusion is not compatible

Correct / Incorrect

07. correct statement identify

- A. AB blood group shows agglutination with antiserum A ~~✓~~
B. O positive shows agglutination with antiserum AB incorrect.
C. B shows agglutination with antiserum B Correct

A shows agglutination with antiserum A Incorrect 60/70-100um

08. Ultramicrotome section cutting size?

- A. 0.5 nm ✓
B. 1-5 mm
C. 5

options →

20-100um →

2-5um

100-500um X

0.5-2um

Correct

80

09. Which sample not preferred for refrigeration?

- ☒ **A. CSF**
- B. Urine**
- C. Blood**
- D. Sputum**

A CSF Brain Bact.

COPS - CONS

10. Streptococcus & Staphylococcus differ by.

- A. Oxidase**
- B. Coagulates**
- ☒ **C. Catalase**

C

11. MTB acidity & reagent for staining.

H₂SO₄

1. Cre-4/5

A) 1%

B) 5%

C) 15%

D) 20% ✓

D 20%

12. Which should be placed away from light.

A. Calcium

~~B.~~ Bilirubin

C. Urea

D. glucose

B

13. Who approves vaccine.

- ☒ **A. CDSCO**
- B. FSSAI**
- C. ICMR**
- D. FDA**

A

14. UV light shows glowing organism in

A. Fluorescence

B. Auto fluorescence

C. Phosphorescence

~~D. Fluorescent~~

fluorochrome



15. Universal precaution is for which sample Except $\rightarrow$ Urine

- ☒ A. Semen ✓ (A)
- B. Sputum ✗
- C. Pus stool ✗
- D. Urine ✗

Body fluids
Semen / Pus (A)

16. RNA is detected by?

- ☒ A. RT-PCR

RT $\rightarrow$ cDNA

17. All are live vaccine except

A. Measles Live

B. Rubella Live

~~C. Covaccine Killed~~

D. 17D Live

Covisheild (live)

Ⓒ
=

18. Test detecting deficiency of iron

- ☒ A. Ferritin
- ☐ B. Transferrin
- ☐ C. Serum iron
- ☐ D. Hemoglobin

A

19. Which one increased in iron deficiency anemia

- ~~A.~~ TIBC
 - B. Iron
 - C. Hb
 - D. Rbc
- α Hypo
Micro

A

20. Reference protein is

A. Pulses

B. Milk

C. Meat

☒ D. Egg



21. Best source for Vit D

- A. Milk
- B. Green leafy vegetables
- ~~C.~~ Fish oil
- D. Meat



22. In pcr to detect rna which enzyme are used

A. Taq polymerase

B. Rna polymerase

C. Reverse transcriptase

D. Both taq and rna polymerase

D

23. Optachin sensitive bacteria?

- A. Staphylococcus
- B. Streptococcus
- C. Enterococcus
- ~~D.~~ Pneumococcus

R

Q

24. Leishmania donovani for kala azar

→ Correct Ans

25. genital filariasis that is mainly caused by W.bancrofti
has caused epidemic in UP & BIHAR

A. UP

B. Bihar

C. Gujarat

D. Haryana

26. Cold sterilisation method

- A. X ray
- ☒ B. Gamma ray
- C. Infraed ray
- D. Steam sterilization

B

27. Vitamin c solution used in laboratory

Ascorbic Acid = Reducing Agent

28. Protein precipitation

~~A.~~ TCA 5%

B. TFA 5%

(A)

=

Reagent

Trichloroacetic Acid

29. ECG ke live kya correct hai

A. P- polarization

B. T - end of diastole

☒ C. T- end of systole

D. R- re polarization of ventricles ✗

atrial

QRS

ventricular

C
=

30. Megaloblastic anemia is caused by the deficiency of which of the following vitamins?

A. Vitamin B1

~~B. Vitamin B12~~

ⓑ

31. vial color for pt/aptt

A. EDTA

~~B. Light blue~~

C. Green

D. yellow

ⓑ

32. ALP which disease is elevated

A. Liver disease

B. Kidney disease

C. Obstructive jaundice

ALT / AST

C
=

33. Herd immunity have?

Most Population immune Overall Resist

100 $\Rightarrow$ 70 vaccine

34. HPLC water concentration use for?

30 non vaccine

Ultra Pure / Type-1 water 18.2 M Ω ·cm

35. In HPLC which component is evolved in positive and negative electrode.

Electrochemical Detector

oxidation
(Anode)
Reduction
(Cathode)

36. Protein source for vegetarians? Vegan

~~A. Soybean~~ ✓ ✓

B. Milk ✗

C. Egg (✗)

D. cheese ✗ ✓

Dairy

(A)

37. Urine should be preserved in all Except

A. Formaldehyde ✓

B. Thymol ✓

~~C. Lysole~~

D. Boric acid ✓

C

38. Percentage of Agar in solid culture media?

- ~~A. 2%~~
- B. 5%
- C. 10%
- D. 15%

A

39. **Hot air oven** except: Can be sterilised by

A. Glass tube

B. Flask

C. Forceps

~~D. Culture Media~~

2

40. DNA fingerprint analyse ?

VNTRs / STRs

Variable / Short Tandem

41. Maize eater m konse vitamin ki deficiency hoti h -

pellegra (vit B3)

Vit B3 / Pellagra

42. Antimicrobial susceptibility testing which culture media use ?

media → Muller - Hinton - Agar.

43. HbA1C measure?

method → Lawn / Carpet Method.

HB1c test analyse

A. 1-3 Months

B. 2-5 Months

C. 1-2 weeks

A

44. HbA1c blood is collected which vial

- ☒ A. EDTA *Lavender top.*
- ☐ B. Sodium citrate
- ☐ C. Fluoride *→ Reducing/Other Sugars*
- ☐ D. Clot activator

(A)
~

45. Types of is ketone body?

A. Acetone

B. B-hydroxy butyrate

☒ C. Acetone and B-hydroxy butyrate

D. none

Except

Acetoacetate

wrong

C

UV light $\Rightarrow$ 200-380 nm

46. For white sample which ray or Wavelength use for spectrophotometer?

47. For which parasite stool concentrate wet mount preparation is use?

A. Entamoeba histolytica

Protozoa

Formal-Ether ✓
Zinc - Sulfate flotation ✓

48. Techniques are use for stool sample preparation except.

49. Autoclave temperature?

- ☒ **A. 121**
- B. 150**
- C. 151**
- D. 170**

Ⓐ
Σ

Hep. Before Above Hep.
A & D ← 1 year → B/C

50. Which Hepatitis give its sign 1 year above?

51. Chicken pox have its infection how much time?

Incubation period: 10 to 21 days from virus exposure to first symptoms. 10 to 21

Contagious window: Starts 1 to 2 days before spots show up. 1-2 days.

Active rash phase: Lasts about 5 to 7 days until every blister dries into a scab. 5-7 days.

52. Pyuria in male

- A. 1 pus cell/1HPF
- ~~B.~~ 10pus cell/10HPF
- C. 4pus cell/10HPF
- D. 3pus cell/ 7 HPF

Pyuria → more than 5 pus cell

(B) 6, 7, 10

10HPF

53. Live bacteria in unstain which microscope

A. TEM

☒ B. Phase contrast

C. Fluorescence

D. SEM

B

54. Resolving power - distinguish two object

A. Ref. index

B. Adjust knob

C. Resolving power

Resolving Power

55. Human Anatomical waste are disposed which bag .

- A. Yellow**
- B. Black**
- C. Red**
- D. blue**

A

56. Culture temperature in microbiology laboratory.

37°C

57. Ratio used in. Wbc dilution

A. 1:2

~~B. 1:20~~

C. 1:100

Ⓑ_✓

58. after the fix pap smear which solution is – used

A. Cyto spray ✓✓

(A)

59. Erythropoietin hormone kaha synthesis hota h

RBC / O₂

~~A. Kidney~~

B. Liver

C. Both -

D. All of the above

(A)

⇒

→ Secretion Situation

60. Methylene blue are used

A. Reticulocyte

B. Haem

C. RBC

A

61. Which blood vessels have lowest Urea level

- A) Hepatic Vein
- B) Hepatic Portal Vein
- C) Renal Artery
- ~~D) Renal Vein~~

②

62. Genetic engineering are used

- A- insulin**
- B- thyroxine**
- C- parathyroid**
- D- epinephrine**

A

63. Daily Iodine consumption according to WHO

150 µg / Day for adults

64. Bacterial capsule can be best demonstrated by

A. Negative stain

B. Giemsa stain

C. Gram stain

(A) Indian Ink Prep

65. Sample labelling mention all except

A. Doctor's name ✓

B. Patient's name ✓

C. patient's age ✓

~~D. patient history~~

②

66. DPT vaccine storage?

2-8°C (Do not freeze)

CRE - (5)

68. Absorptive test for gut

90-95%

② - Xylose Absorption

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