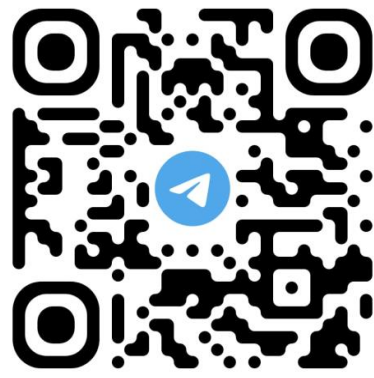


PSM

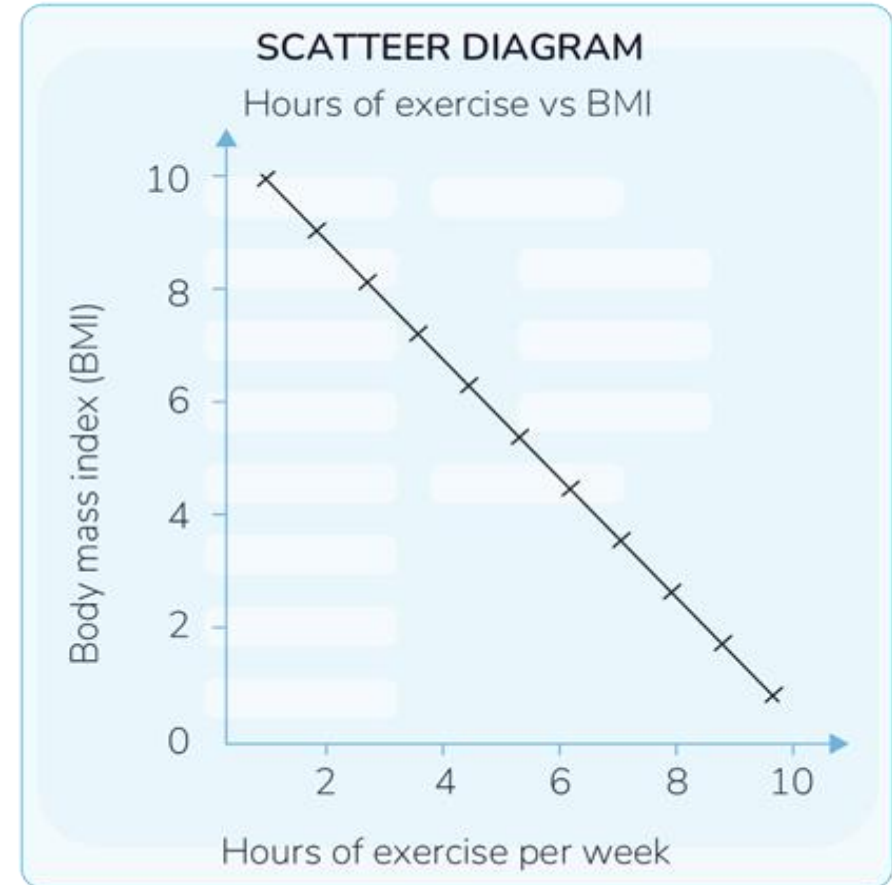


1. Leading cause of hidden hunger in India

- a. Dietary deficiency of essential fatty acids**
- b. Dietary deficiency of essential amino acids**
- c. Dietary deficiency of iron**
- d. Dietary deficiency of iodine**

2. A scatter plot shows the relationship between hours of exercise per week (x-axis) and BMI (y-axis) for 30 adults. What type of correlation is depicted, and what is the correlation coefficient (r)?

- a. Positive correlation; $r = +1$
- b. Negative correlation; $r = -1$
- c. No correlation; $r = 0$
- d. Weak negative correlation; $r = -0.5$



3. In the same group of 200 adults, the researcher now wants to determine whether the proportion of hypertension is different between smokers and non smokers. Which statistical test should be used?

- a. Paired t-test**
- b. ANOVA**
- c. Chi-square test**
- d. Unpaired t-test**

4. Recombinant Subunit Vaccine for *Plasmodium falciparum* is directed against?

- a. Circum-sporozoite protein – Pf25
- b. HRP-2 Histidine rich protein-2
- c. HRP-1 Histidine rich protein-1
- d. Circum-sporozoite protein – Pf24

5. The UJALA Scheme of the Government of India stands for which of the following?

- a. Unnat Jyoti by Affordable LEDs for All**
- b. Ujjwal Jan Jeevan Light Abhiyan**
- c. Universal Jyoti and Light Access**
- d. Unnat Janata LED Allocation**



6. Mother has brought her unvaccinated 2 months old child to PHC. Child was born at full term at was born at home in the village. Which vaccines would be given to the child?

- a. BCG, OPV-1, Penta-1**
- b. BCG, OPV-1, Penta-1, RVV-1**
- c. BCG, OPV-1, Penta-1, RVV-1, fIPV-1**
- d. BCG, OPV-1, Penta-1, RVV-1, fIPV-1, PCV-1**

7. World health day theme for 2025 is

- a. Global action for universal health coverage**
- b. Healthy beginnings and hopeful future**
- c. My health my right**
- d. Health for all**

8. Which is correct about INDEX-TB guidelines?

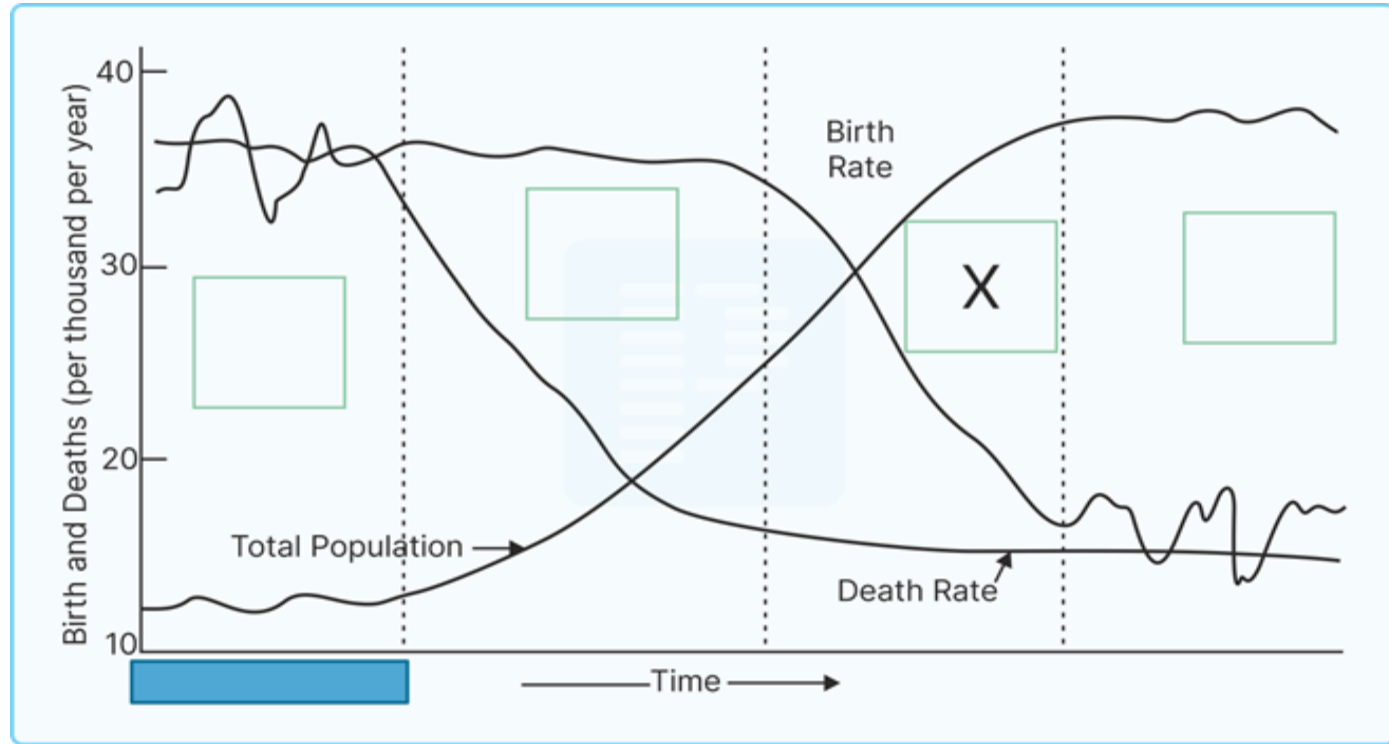
- a. Xpert MTB /RIF assay to diagnose CNS and Lymph node TB**
- b. TB free India by 2025**
- c. Web based TB drug supply management system**
- d. Web based TB programme surveillance**

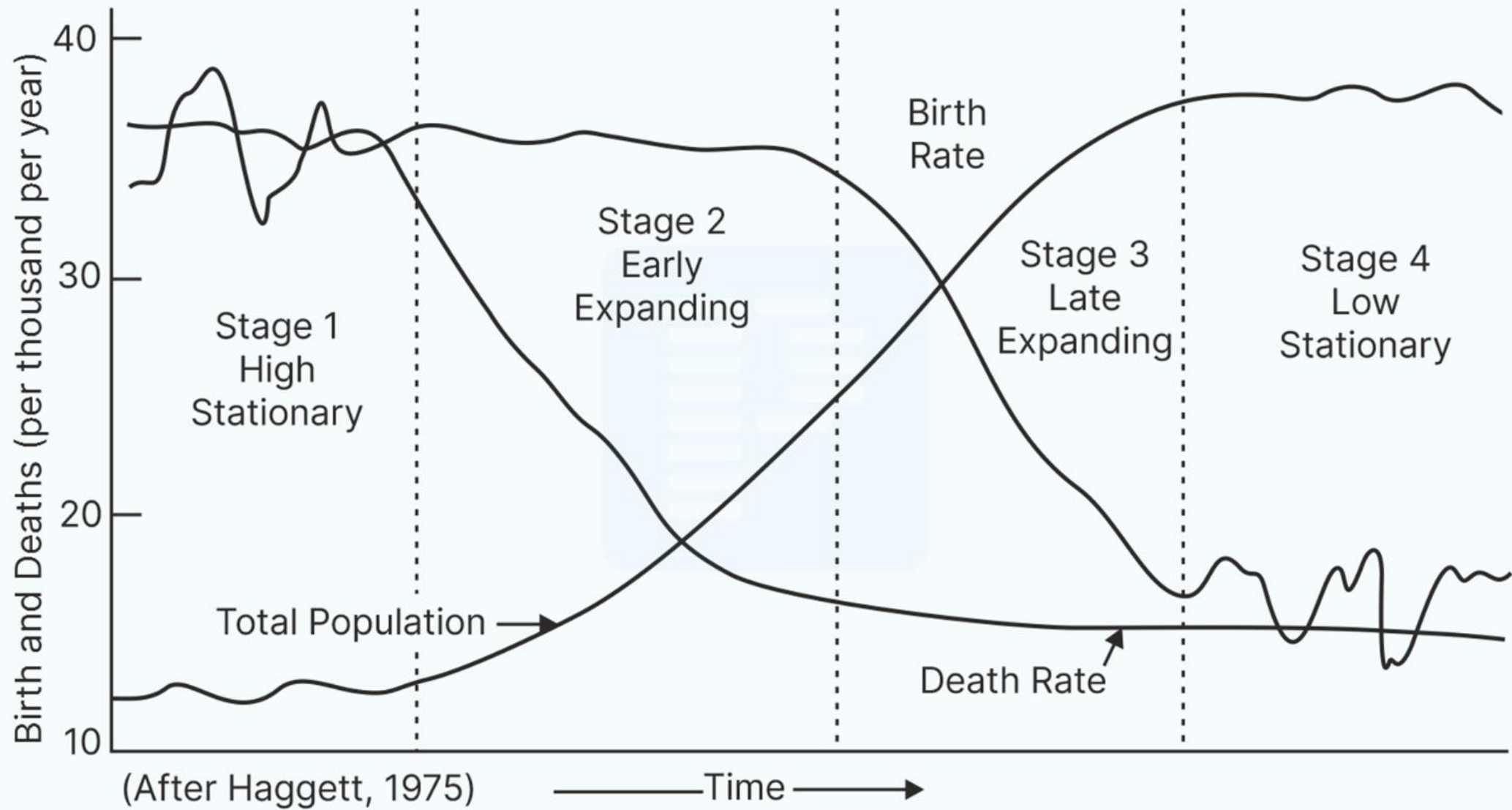
9. You are posted at a district hospital and have to determine the prevalence of Tuberculosis in the catchment population. Which of the following tests shall be used?

- a. % of population positive on sputum microscopy and culture**
- b. % of population positive on sputum CBNAAT**
- c. % of population positive to Mantoux test**
- d. No of children in 0-15 years with visible BCG scar in left arm**

10. Comment on the stage of demographic cycle stage marked as X?

- a. Late expanding
- b. High stationary
- c. Early expanding
- d. Low stationary





11. Which of the following is not correct about demography defining parameters?

- a. Total fertility rate is average number of female children born to a woman in her entire reproductive period**
- b. Net reproduction rate is average number of girls born to newborn girl child in her entire life**
- c. Birth rate decreases but remaining above the death rate is seen in late expanding phase of population growth**
- d. Negative net migration rate means more people leaving the studied population**

12. Which of the following is correct about Nalgonda technique?

- a. De-fluoridation of water using calcium bicarbonate**
- b. De-fluoridation of water using sodium bicarbonate**
- c. De-fluoridation of water using phosphates**
- d. De-fluoridation of water using base exchange method**

13. Which of the following is a freeze sensitive vaccine?

- a. OPV**
- b. Measles**
- c. Hepatitis B**
- d. BCG**

14. Which of the following is not a side effect of DPT?

- a. Seizures**
- b. Fever**
- c. Hypotonic hyporesponsive state**
- d. Toxic shock syndrome**

15. Which month is designated anti-malaria month?

- a. May**
- b. June**
- c. July**
- d. August**

16. Which is not correct about Japanese B encephalitis?

- a. Transmitted by Culex**
- b. Man is definitive host**
- c. Pigs are amplifiers**
- d. Maximum cases in Gorakhpur in UP**

17. Which health staff is not posted at the health and wellness centre?

- a. Community health officer**
- b. Multipurpose worker male**
- c. Multipurpose worker female**
- d. Lady health visitor**

18. Correct about special newborn care units

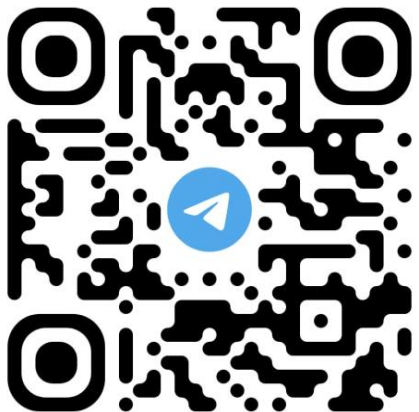
- a. 4 beds with total 200 sq feet area**
- b. Provides care for all sick newborns and LBW infants < 1800 gm**
- c. Identification and prompt referral of at risk newborns**
- d. Can also provide ventilator-based care**

19. ASHA will make visits to all newborns according to a specified schedule. Which of the following is correct about it?

- a. 5 visits after facility birth and 6 visits after home births**
- b. 6 visits after facility birth and 5 visits after home births**
- c. 6 visits after facility birth and 7 visits after home births**
- d. 7 visits after facility birth and 6 visits after home births**

20. Which of the following is correct about RKSK program (Rastriya Kishor swasthya karyakaram)

- a. Early identification of developmental delays**
- b. Early identification of iron deficiency anaemia**
- c. MIFA (monthly iron folic acid supplementation)**
- d. WIFA (weekly iron folic acid supplementation)**



21. Under Pradhan Mantri Suraksha Matriya Abhityan, ANC services would be provided on?

- a. 9th of every month to ensure one check up each in second and third trimester**
- b. 9th of every month to ensure two check-ups each in second and third trimester**
- c. 5th of every month to ensure one check-up each in second and third trimester**
- d. 5th of every month to ensure two check-ups each in second and third trimester**

22. India newborn action plan aims to _____



- a. End all preventable newborn deaths by 2028
- b. End all preventable newborn deaths and still births by 2028
- c. End all preventable newborn deaths by 2030
- d. End all preventable newborn deaths and still births by 2030

23. Correct about intensified mission Indra Dhanush?

- a. 2 rounds of vaccination, 7 days per month
- b. 3 rounds of vaccination, 7 days per month
- c. 4 rounds of vaccination, 7 days per month
- d. 5 rounds of vaccination, 7 days per month



24. Village health and nutrition day should be organised ?

- a. One per month on Wednesday at Anganwadi centre**
- b. Once every 15 days on Wednesday at Anganwadi centre**
- c. One per month on Wednesday at sub-centre**
- d. Once every 15 days on Wednesday at sub-centre**

25. Correct about national deworming day?

- a. Prevent STH infections and is conducted once a year in February and august**
- b. Prevent STH infections and is conducted twice a year in February and august**
- c. Prevent STH infections and is conducted once a year in March and September**
- d. Prevent STH infections and is conducted twice a year in March and September**

26. Which is not correct about the mid-day meal scheme?

- a. Minimum 250 days per year of feeding**
- b. Launched by ministry of health**
- c. Provides 30 grams of pulses and 100 grams of cereals**
- d. Provides 1/3 of energy and 1/2 of protein requirements**

27. The following mascot is used for which of the following

- a. Leprosy**
- b. TB**
- c. Girl child literacy**
- d. Girl child menstrual hygiene awareness**



28. Which of the following statements regarding the Pradhan Mantri Ujjwala Yojana is TRUE?

- a. It provides free cylinders for one year to all BPL families irrespective of documentation**
- b. It aims to provide LPG connections to women belonging to poor households**
- c. The refill cost is completely subsidized by the central government**
- d. It is implemented under the Ministry of Power**

29. National centre for disease control (NCDC) is located at which city

- a. Mumbai**
- b. Mohali**
- c. New Delhi**
- d. Chennai**

30. Correct about this national program is

- a. PM overarching scheme for holistic nourishment
- b. PM Programme for Comprehensive Wellness & Growth
- c. PM outreach program for holistic development
- d. PM outreach program for anaemia and nutrition control

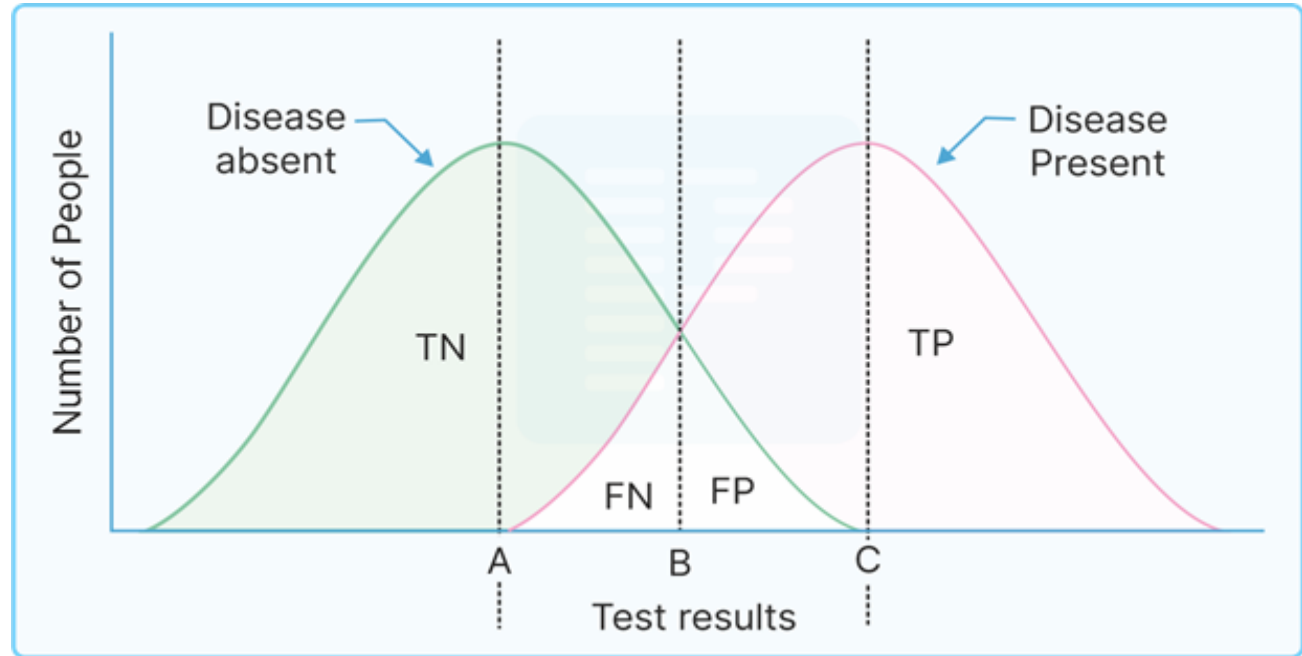


31. Incidence of disease is affected all of the following except?

- a. Virulence of organism**
- b. Attack rate**
- c. Secondary attack rate**
- d. Duration of disease**

32. Below is a graph showing the results of a screening test. If the cut-off point is reduced from point B to A, what will be its effect on this screening test?

- a. No effect at all
- b. Sensitivity increases
- c. Sensitivity decreases
- d. Specificity increases



33. Hepatic Veno-occlusive disease is caused by which of the following?

- a. Fusarium toxin**
- b. Pyrrolizidine alkaloids**
- c. Sanguinarine**
- d. Beta-oxalyl amino alanine**

34. Contaminated bajra consumption can lead to which of the following

- a. Ascites**
- b. Heart failure**
- c. ARDS**
- d. Digital gangrene**

35. Which of the following has the lowest glycemic index

- a. Sweet potato**
- b. Corn flakes**
- c. Water melon**
- d. Banana**

36. Correct about the 12/12 initiative?

- a. Every child should have haemoglobin of 12gm% by 12 years of age**
- b. Every child should have haemoglobin of 12gm% by 12 months of age**
- c. Every child should have weight of 12 kg by 12 months of age**
- d. Every child should have weight of 12 kg by 12 years of age**

37. Which of the following is not correct about Indian diet food products?

- a. Rice has low calcium due to phytanic acid
- b. Cereals have low bioavailability of iron due to phytanic acid
- c. Ragi is richest source of calcium
- d. Pulses are rich in essential fatty acids

38. Which of the following methods is best to teach a primigravida about correct attachment of neonate to the breast

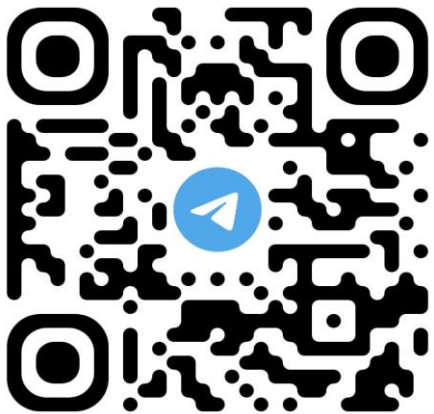
- a. Role play with other expectant mothers**
- b. Colloquy with health workers**
- c. Panel discussion by experts**
- d. Group discussion with other expectant mothers**

39. Which of the following studies can be done to resolve conflicts in literature?

- a. Cross sectional study**
- b. Randomised controlled trial**
- c. Meta-analysis**
- d. Cohort study**

40. What is a nested case control study?

- a. Case control study within a cohort study
- b. Cohort study within a case control study
- c. Ecological study
- d. Case control study within an observational study



41. Which of the following is used for evaluation of immunization coverage?

- a. Simple random sampling**
- b. Systematic random sampling**
- c. Stratified random sampling**
- d. Cluster random sampling**

42. Used foley catheters will be discarded in which colour coded bag?

- a. Yellow (non-chlorinated)**
- b. Red (non-chlorinated)**
- c. Blue puncture proof**
- d. White translucent puncture proof**

43. Kyoto protocol deals with

- a. Reducing Greenhouse emissions**
- b. Increasing longevity**
- c. Increasing HDI**
- d. Reducing burden of non-communicable diseases**

44. Which of the following bias is caused by pharma companies who show only studies showing positive results and omit the negative results?

- a. Berksonian bias**
- b. Neyman bias**
- c. Attention bias/ Hawthorne effect**
- d. Silverblaze bias**

45. Which is correct about lead time?

- a. Increase chances of survival**
- b. Decreased chances of survival**
- c. No effect on time of survival**
- d. Increase risk of mortality**

46. Which is not correct about factories act 1948?

- a. Employment of persons below 14 years of age is prohibited
- b. 1 safety officer per 1000 workers
- c. 1 creche for > 30 women workers
- d. Maximum working of 48 hours per week

47. Which is not correct about ESI act 1948?

- a. State to central government share in medical expenditure is 1:7**
- b. Covers all employees getting income up to 21K per month**
- c. Does not cover workers employed in mines**
- d. Employee contributes 3.25% of total wage bill**

48. Two in one salt contains?

- a. Iodine with iron
- b. Iodine with fluoride
- c. Iodine with chromium
- d. Sodium iodide with potassium iodide

49. SSY Sukanya Samrddhi scheme is a small deposit scheme that can be opened anytime after birth till she turns:

- a. 5 years**
- b. 10 years**
- c. 18 years**
- d. 21 years**

50. The following health program logo is for which of the following?

- a. Clean and hygienic public health services
- b. Promote planting of trees
- c. Promote donation of blood
- d. Attract children to school and improve literacy



51. Urine albumin creatinine ratio test in Diabetes mellitus is which level of prevention

- a. Primary prevention**
- b. Primordial prevention**
- c. Secondary prevention**
- d. Tertiary prevention**

52. A 40 year old patient went on a camping trip to Almora. At night he woke up with sudden pain and saw a furry rodent scurrying away. Which is correct management of the wound?

- a. Clean wound with soap and water + rabies immunoglobulin**
- b. Clean wound with soap and water + tetanus immunoglobulin and rabies immunoglobulin**
- c. Clean wound with soap and water + rabies immunoglobulin + duck embryo vaccine**
- d. Clean wound with soap and water + rabies immunoglobulin + Human diploid cell culture vaccine**

53. Correct about management of MDR-TB?

- a. BPaL for 6 months**
- b. BPaLM for 6 months**
- c. BPaL for 24 months**
- d. BPaLM for 24 months**

54. Which type of disinfection measure is used in accidental spillage of blood?

- a. Concurrent disinfection**
- b. Terminal disinfection**
- c. Pre-current disinfection**
- d. Prophylactic disinfection**

55. All of the following infections are transmitted by louse except?

- a. Epidemic typhus**
- b. Relapsing fever**
- c. Trench fever**
- d. Endemic typhus**

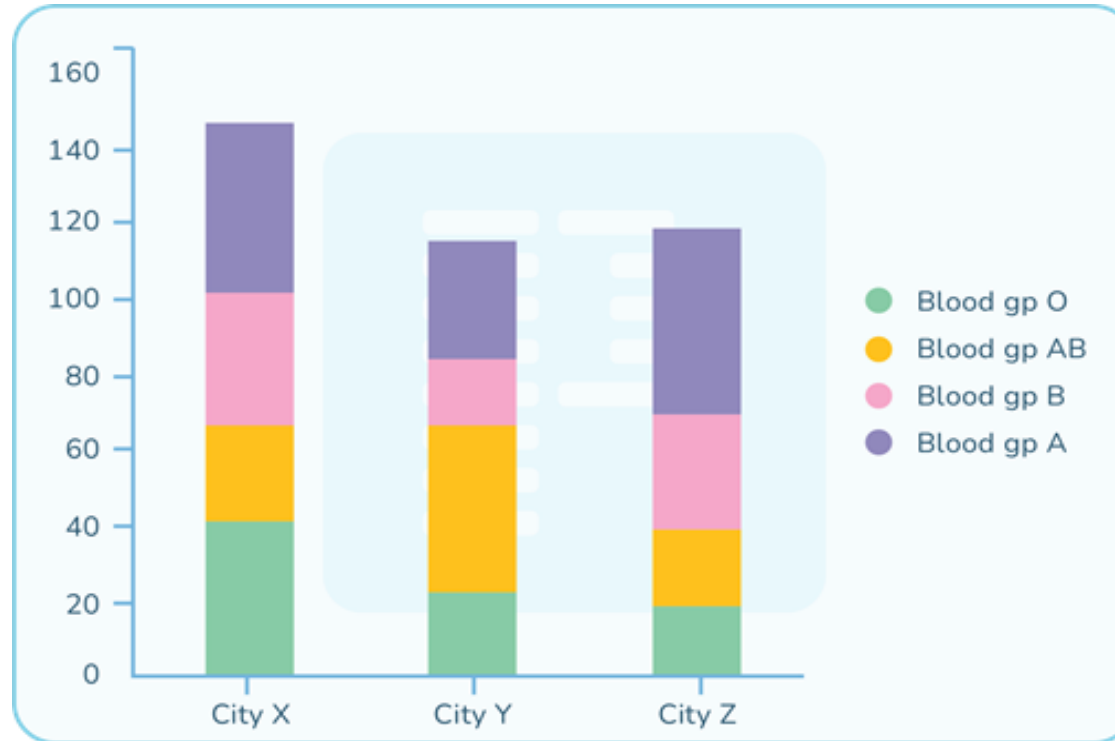
- **Endemic typhus by rat flea**
- **Epidemics of fever in a trench**

56. Which is transmitted by soft tick?

- a. Q fever**
- b. Tick typhus**
- c. KFD**
- d. Tularemia**

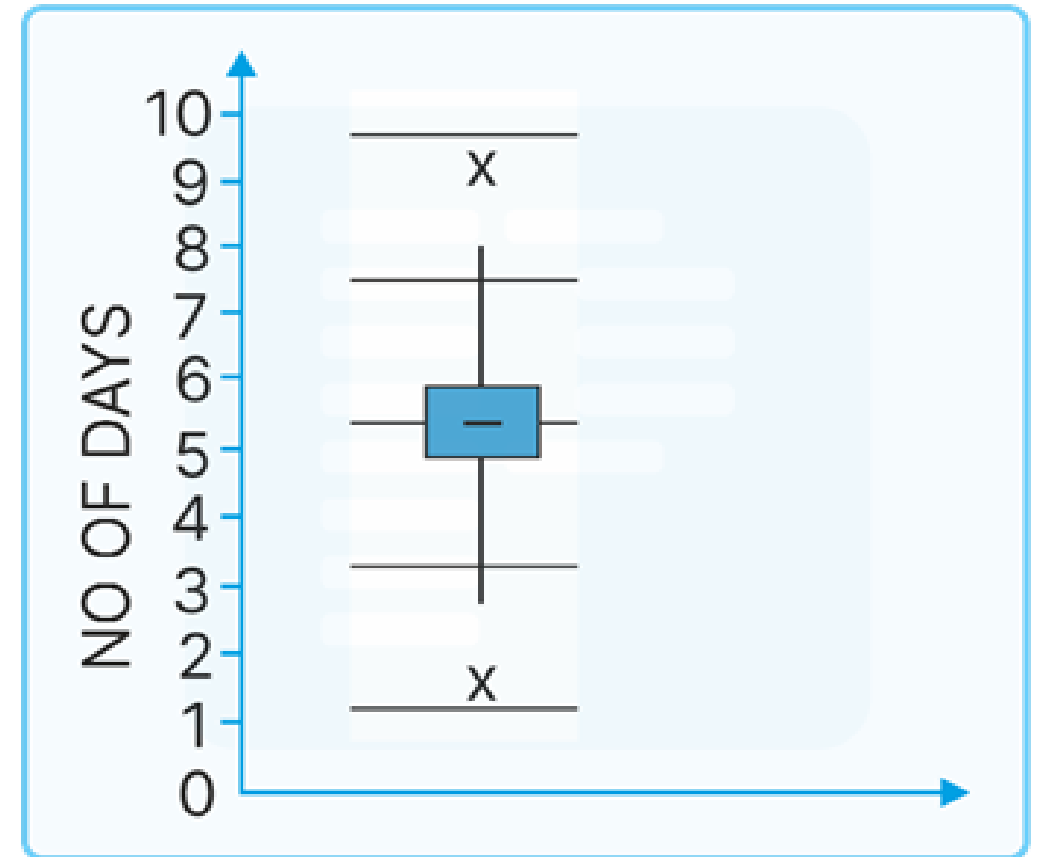
57. Given below is a graphical representation of the different blood groups of people in three different cities. What is the type of graphical representation used here?

- a. Simple Bar Diagram
- b. Compound Bar Diagram
- c. Histogram
- d. Component Bar Diagram

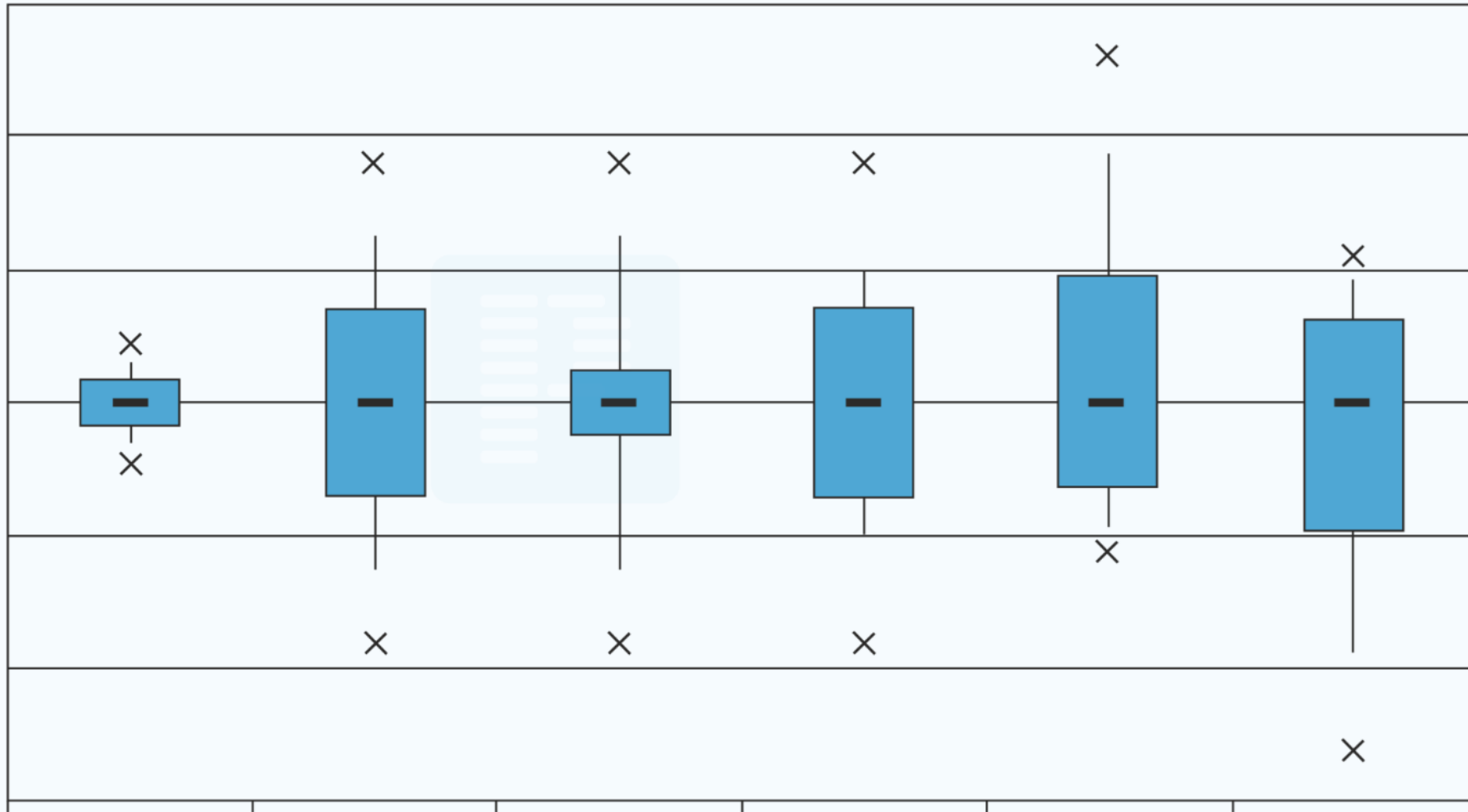


58. A hospital conducted a study on the recovery times (in days) of patients after a specific surgical procedure. The data was summarized using a box and whisker plot as shown below. Which of the following statements best describes the skewness of the recovery time data shown in the plot?

- a. Middle clustered, long tail, zero skew
- b. Middle clustered, short tail, zero skew
- c. Upward positive skewness
- d. Downward negative skewness



Values



Small dispersion,
zero skewness

(a)

Large dispersion,
zero skewness

(b)

Middle clustered,
long tails, zero
skewness

(c)

Middle clustered
(bimodal), short tails,
zero skewness

(d)

Upward (Positive)
skewness

(e)

Downward (negative)
skewness

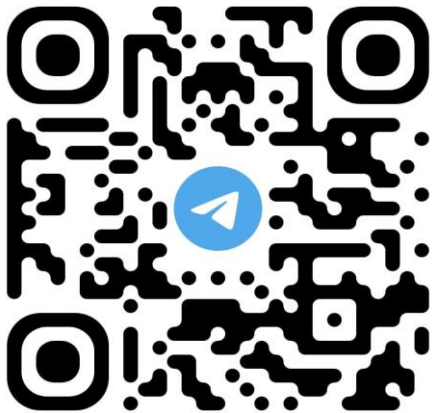
(f)

59. What is correct about Poisson distribution?

- a. Probability of occurrence of rare event in large population**
- b. Probability of occurrence of rare event in small population**
- c. Probability of possible positive outcomes from series of data**
- d. Probability of possible negative outcomes from series of data**

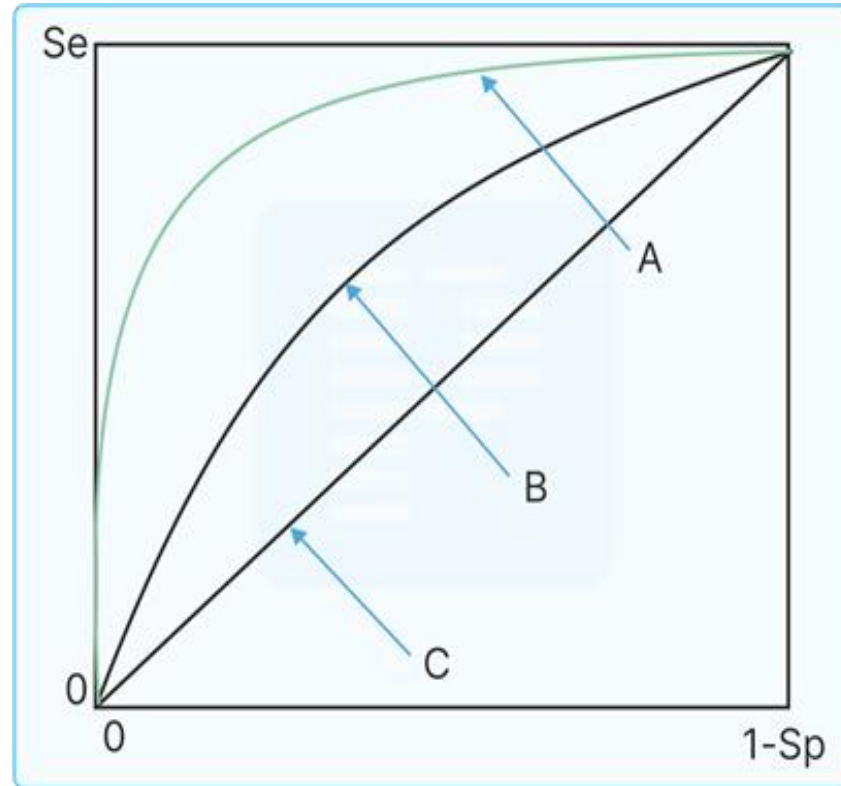
60. A researcher studies 200 adults and wants to know whether smokers differ from non-smokers in their mean systolic blood pressure. Which of the following statistical test is MOST appropriate?

- a. Chi-square test
- b. Student's t-test
- c. Fisher's exact test
- d. Mann-Whitney U test



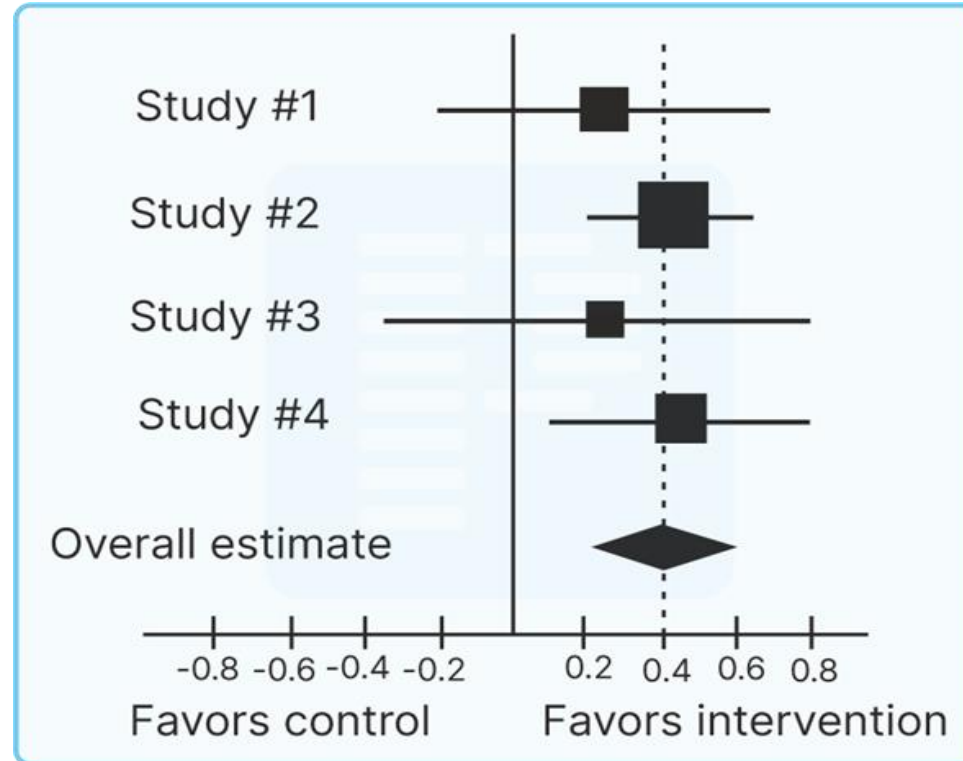
61. Which of the following ROC curves for three diagnostic tests has the most effective test?

- a. A
- b. B
- c. C
- d. All of the above



62. Which is correct about the results of scientific studies done below?

- a. Forrest plot
- b. Box and whisker plot
- c. Delphi method
- d. ROC curve



63. Rates of disease in exposed and non-exposed populations are called?

- a. Relative risk**
- b. Odd's ratio**
- c. Attributable risk**
- d. Predictive value**

RR= probability of disease in exposed and non-exposed group

Odd ratio= odds of having disease in exposed group and non-exposed group (used in case control study)

64. Standard of living depends on which of the following

- a. Per capital GNP**
- b. HDI**
- c. PQLI**
- d. GHI**

65. All are components of PQLI except?

- a. Infant mortality rate**
- b. Life expectancy at age 1**
- c. Literacy**
- d. GDP per capita**

Each scaled from 0 to 100.

1. Infant Mortality Rate (IMR)
2. Life Expectancy at age 1 year
3. Literacy Rate (percentage of population who can read & write)

👉 All 3 give equal weight (unlike HDI).

Scoring

PQLI = Average of the three indicators

$$\text{PQLI} = \frac{\text{IMR score} + \text{Life expectancy score} + \text{Literacy score}}{3}$$

66. Sullivan index is?

- a. Expectation of life free of disability
- b. Risk of premature death
- c. Risk of premature birth
- d. Disability adjusted life year

67. Infectious period of chicken pox is

- a. 5 days before the rash and 6 days after the last crop**
- b. 5 days before and 4 days after the first crop**
- c. 4 days before the rash and 5 days after the last crop**
- d. 4 days before the rash and 3 days after the last crop**

68. Drink and drive accidents shows which of the following trends

a. Seasonal trend

b. Cyclical trend

c. Secular trend

d. No trend

- **Accident are more common on weekends after drinking and is cyclical trend**

69. Screening helps in which of the following

- a. SAR**
- b. Lead time**
- c. Serial interval**
- d. Generation time**

- **Lead time is advantage gained by early detection and diagnosis**

70. AIDS Positive truck driver comes for follow up. What advise will you give him in STD clinic?

- a. Use barrier method regularly and take his monthly supply of cART**
- b. Use barrier method regularly and get his ELISA test done monthly**
- c. Use barrier method regularly and get his CD4 count done monthly**
- d. Get vasectomy and take his monthly supply of cART**

71. Snowball sampling is used for determining study sample size for?

- a. Percentage of Vaccine coverage**
- b. Health insurance coverage**
- c. IV drug abusers**
- d. Swine Flu mortality**

72. Not included in ASHA kit?

- a. Mucus extractor**
- b. Weighing scale**
- c. Sputum collection kit for TB**
- d. Nischay kit**

73. Correct about the condition shown?

- a. Patient will progress from two stick stage to crawler stage
- b. Caused by a neurotoxin
- c. Nalgonda technique used to prevent this condition
- d. Leads to spastic paralysis of legs

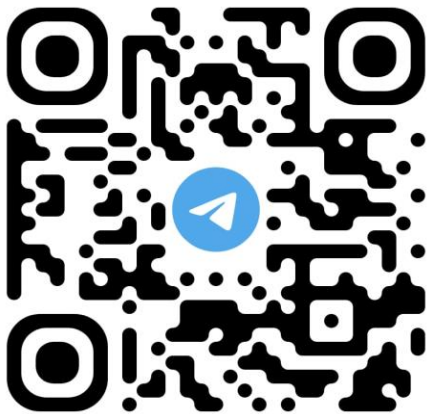


74. Most common cardiovascular disease is?

- a. Coronary artery disease**
- b. Hypertension**
- c. Rheumatic heart Disease**
- d. Atherosclerosis**

75. Best for diagnosis of dengue shock syndrome is?

- a. Platelet count**
- b. Haematocrit**
- c. NS-1 antigen**
- d. IgM antibody against**



THANK YOU