

Community Medicine

1) When a diagnostic test is used in "series" mode, then:

- A) Sensitivity increases but specificity decreases
 - B) Specificity increases but sensitivity decreases
 - C) Both sensitivity and specificity increase
 - D) Both sensitivity and specificity decrease
-

2) Not required for chi square test

- A) Null hypothesis
 - B) Degrees of freedom
 - C) Means in different group
 - D) Proportions in different group
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3) Rabies vaccine for pre exposure prophylaxis is given at:

- A) 0, 3, 7 days
 - B) 0, 3, 7, 14 days
 - C) 0, 3, 7, 14, 30 days
 - D) 0, 7, 28 days
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4) Reverse cold chain is seen in:

- A) Expired vaccine from PHC to manufactured
 - B) Carrying vaccine to periphery center
 - C) Testing for potency of vaccine
 - D) Stool specimen of polio send for testing
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5) Screening for condition recommended when:

- A) Low case fatality rate
 - B) Diagnostic tools not available
 - C) No effective treatment available
 - D) Early diagnosis can change disease course because of effective treatment
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6) Screening test for Breast and Genital tract malignancy is:

- A) CA - 125
 - B) Mammography
 - C) Office endometrial aspiration
 - D) Pap smear
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7) Treatment of choice for diphtheria carriers is:

- A) Erythromycin
 - B) Tetracycline
 - C) Penicillin
 - D) DPT
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8) Which of the following is not true about influenza virus?

- A) Influenza virus subject to frequent antigenic variations
- B) Antigenic drift is a gradual antigenic change over a period of time
- C) Antigenic shift is due to genetic recombination of virus
- D) Major epidemics are due to antigenic drift

9) Uses of Chandler's index for Hookworm include all except

- A) Assessment of endemicity
 - B) Monitoring of individual treatment
 - C) Monitoring mass treatment of community
 - D) Comparison of worm load in different population
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10) Copper T with threads is visible in a case of early pregnancy. Treatment of choice is:

- A) Remove CuT only
 - B) Suction evacuation with Copper-T removal
 - C) Reassurance and continue pregnancy
 - D) Laparotomy
-

11) Survey Education and treatment center (SET Centers) cover a population of:

- A) 20 - 25000
 - B) 50000
 - C) 1 lakh
 - D) 4.5 lakh
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12) What is the new change in National Program on Prevention and Control of Diabetes, Cardiovascular diseases and Stroke?

- A) Opportunistic screening
 - B) Awareness of lifestyle and behavior related diseases
 - C) Specialized units at Medical colleges
 - D) Integration with National Cancer Control Program
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13) Transplantation of Human Organs Act was passed by Government of India In:

- A) 1996
 - B) 1993
 - C) 1998
 - D) 1994
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14) Casal's Necklace is seen in deficiency of:

- A) Vitamin A
 - B) Vitamin B3
 - C) Vitamin B6
 - D) Vitamin D
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15) Pasteurised milk is most commonly tested by:

- A) Phosphatase test
 - B) Coliform test
 - C) Catalase test
 - D) Oxidase test
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16) World Red cross day is observed on

- A) 10 October
 - B) 8 September
 - C) 14 June
 - D) 8 May
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17) Percentage of para-para isomer in DDT is

- A) 70-80 %
- B) 40-50 %
- C) 60-70 %
- D) 20-30 %

18) Most efficient anti larval measure to prevent urban malaria is :

- A) Clean drainage and sewerage systems
 - B) Cover overhead tanks properly
 - C) Filling cesspools and ditches
 - D) Cover pits
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19) True about inertization all except

- A) Mixing biomedical waste with cement
 - B) Used for pharmaceutical waste
 - C) Contaminates water sources
 - D) Not useful for infectious waste
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20) True about "Zero base budgeting" is :

- A) Relies on data of previous budget
 - B) Proceeds from resources to target
 - C) Proceeds from targets to resource
 - D) Not a priority based budgeting
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21) Breast feeding week is celebrated on :

- A) 1st week of march
 - B) 1st week of july
 - C) 1st week of august
 - D) 1st december
-

22) DALE has been replaced by:

- A) DALY
 - B) QALY
 - C) HALE
 - D) DFLE
-

23) Confounding can be eliminated by all except:

- A) Matching
 - B) Blinding
 - C) Randomization
 - D) Multivariate analysis
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24) Organism multiplying and developing in the host is called as:

- A) Cyclopropagative
 - B) Cyclodevelopmental
 - C) Developmental
 - D) Propagative
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25) Which of the following statements is true about BCG vaccinations:

- A) Distilled water is used as diluent for BCG vaccine
 - B) The site for injection should be cleaned thoroughly with spirit
 - C) Mantoux test becomes positive after 18 hours of vaccination
 - D) WHO recommends Danish 1331 strain for vaccine production
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26) Sputum is sterilized by all except:

- A) Autoclaving
- B) Boiling
- C) Cresol
- D) Chlorhexidine

27) Discovery of cholera by John Snow was a:

- A) Cohort study
 - B) Cross sectional study
 - C) Natural experiment study
 - D) Clinical trial
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28) 'Lead time' refers to the time between:

- A) Disease onset and first critical diagnosis
 - B) Disease onset and first possible point of detection
 - C) First possible point of detection and final critical point
 - D) First possible point of detection and usual time of diagnosis
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29) The best indicator for level of air pollution –

- A) H₂
 - B) N₂
 - C) CO₂
 - D) SO₂
-

30) Which of the following is not a part of National screening programmes?

- A) Diabetes mellitus
 - B) Carcinoma cervix
 - C) Refractive errors
 - D) Dental caries
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31) Which of the following is the 'least common' complication of measles?

- A) Diarrhoea
 - B) Pneumonia
 - C) Otitis media
 - D) Subacute sclerosing pan encephalitis
-

32) WHO criteria for high endemicity for Meningococcal disease include:

- A) 0.1%
 - B) 0.01%
 - C) 0.001%
 - D) 1.0%
-

33) A lactating woman has sputum positive Tuberculosis and her neonate child is 3 months old. What is the recommended chemoprophylaxis ?

- A) INH 3 mg /kg for 3 months
 - B) INH 5 mg /kg for 3 months
 - C) INH 3 mg /kg for 6 months
 - D) INH 5 mg /kg for 6 months
-

34) Most important in diagnosing Acute Hepatitis B is:

- A) IgG Anti-HBc
 - B) IgM Anti-HBc
 - C) Anti-HBs
 - D) HBsAg
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35) Which one of the following gives strong evidence of Typhoid fever carrier status:

- A) Isolation of core antigen
- B) Isolation of Vi antigen
- C) Persistence of Vi antibodies
- D) Demonstration of Typhoid bacilli in stools

36) Dengue virus appears to have a direct man-mosquito- man cycle in India. The mechanism of dengue virus survival in the inter-epidemic period is:

- A) Non human reservoir
 - B) Dormant or latent phase in man
 - C) Transovarian transmission of the virus
 - D) Poor housekeeping by public
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37) What are the number of holes in 1 square inch of mosquito net -

- A) 150
 - B) 200
 - C) 250
 - D) 100
-

38) Organism that does not need vector for transmission:

- A) Rickettsia prowazekii
 - B) Rickettsia rickettsii
 - C) Coxiella burnetti
 - D) Borrelia recurrentis
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39) All of the following statements are true about clostridium tetani infection except:

- A) Main reservoir is soil , animal intestine and human intestine
 - B) Main mode of transmission is through trauma and contaminated wound
 - C) Herd immunity does not have much value
 - D) Seen commonly in winter and dry climate
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40) WHO stage IV HIV includes all except:

- A) Toxoplasmosis
 - B) Pnuemocystis carinii
 - C) HIV Wasting syndrome
 - D) Oral thrush
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41) Which one of the following is an Index of communicability of an infection:

- A) Carrier rate
 - B) Prevalence rate
 - C) Secondary attack rate
 - D) Primary attack rate
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42) The risk of developing oral cancer due to tobacco is:

- A) 100%
 - B) 40%
 - C) 90%
 - D) 60%
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43) Disease not included in Vision 2020,India is:

- A) Cataract
 - B) Glaucoma
 - C) Diabetic Retinopathy
 - D) Onchocerciasis
-

44) Blindness rate in India due to refractive error is:

- A) 62.6%
- B) 19.7%
- C) 0.8%
- D) 6.2%

45) Under RNCTP diagnosis, TB bacilli take up AFB stain faster showing 'Beaded Appearance' due to :

- A) Palmitic acid
 - B) Wax- D
 - C) Cord Factor
 - D) Mycolic acid
-

46) In Acute flaccid paralysis, examination for residual paralysis should be done:

- A) 30 days
 - B) 60 days
 - C) 90 days
 - D) 120 days
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47) Under National programme for control of blindness, district blindness control society is headed by:

- A) District programme manager
 - B) District eye surgeon
 - C) District collector
 - D) District Health officer
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48) Resource persons for training of ASHA:

- A) Medical officer and ANM
 - B) Medical officer and Anganwadi worker
 - C) ANM and Anganwadi worker
 - D) Medical officer
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49) Out of 8 goals mentioned in MDG, which goal is related to maternal health?

- A) 1st
 - B) 3rd
 - C) 5th
 - D) 6th
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50) Goals of national population policy are all except?

- A) Decreased IMR to below 30/1000 live birth
 - B) Reduced MMR to below 100/10000 live births
 - C) Achieve 100% registration of births, deaths, marriage and pregnancy
 - D) Bring down TFR to replacement level by 2015
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51) Which of the following is NOT included in Mental Health Care Act 2017?

- A) Promotion of Mental Health & prevention of mental illness
 - B) Integration of mental health care system in to all levels of health care
 - C) Fundamental rights of mentally retarded
 - D) Minimum mental health care for all
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52) Potential support ratio (PSR) is defined as

- A) Number of persons aged 15 to 65 per children below 15 years
 - B) Number of persons aged 15 to 65 per 1 older person aged ≥ 65 years
 - C) Number of persons aged 15 to 65 per 1 older person aged > 65 years and younger person < 15 years
 - D) Number of persons aged 15 to 65 per 1 older person aged > 60 years and younger person < 15 years
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53) What is Net Reproduction Rate (NRR)?

- A) No. of children a new born girl has in her left time
- B) No. of female children a newborn girl has in her life time
- C) No. of male children a newborn girl has in her life time
- D) No. of female children a newborn girl has in her life time, taking into account age specific mortality

54) In WHO "Road to health" chart upper and lower limit represents

- A) 30 percentile for boy and 3 percentile for girl
 - B) 50 percentile for boy and 3 percentile for girl
 - C) 30 percentile for boy and 5 percentile for girl
 - D) 50 percentile for boy and 5 percentile for girl
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55) Conditionally essential amino acids are

- A) Leucin & Lysine
 - B) Histidine & Arginine
 - C) Tyrosine & Cysteine
 - D) Phenylalanine & Tryptophan
-

56) The protein quality indicator adopted by ICMR in recommending dietary protein requirement is

- A) Amino acid score
 - B) Net protein utilization
 - C) Biological value
 - D) Protein efficiency ratio
-

57) Amount of cereals provided per child per school day at primary level in mid day meal program is

- A) 50 Grams
 - B) 75 Grams
 - C) 100 grams
 - D) 150 grams
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58) Xerophthalmia is a problem in a community if the prevalence of bitot's spots is more than:

- A) 1%
 - B) 0.5%
 - C) 5%
 - D) 25%
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59) True about cow's milk are all except:

- A) Cow's milk contain 80% of whey protein and no casein
 - B) Has more protein than breast milk
 - C) Has more K⁺ and Na⁺ than breast milk
 - D) Has less carbohydrates than mother's milk
-

60) According to WHO anemia in pregnancy is diagnosed below – gm/dl hemoglobin level

- A) 8
 - B) 9
 - C) 10
 - D) 11
-

61) International food standards included:

- A) BIS standards
 - B) Codex alimentarius standards
 - C) AgMark standards
 - D) PFA standards
-

62) Severe Acute Malnutrition diagnostic criteria include all except :

- A) Bipedal edema
- B) Visible severe wasting
- C) Mid arm circumference below 115mm
- D) Weight for height below 2SD of WHO Growth Standards 2006

63) Learned behavior which is permanent and consistent, but liable to change:

- A) Cultural belief
 - B) Attitude
 - C) Knowledge
 - D) Practice
-

64) According to Maslow's hierarchy of needs, following is at top of pyramid:

- A) Physical needs
 - B) Self Actualization
 - C) Safety
 - D) Esteem recognition
-

65) Average Mental IQ according to Wechsler's scale is:

- A) 70-79
 - B) 80-89
 - C) 90-109
 - D) 110-119
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66) Income generated within a country is known as:

- A) Gross Domestic Product (GDP)
 - B) Net National Product (NNP)
 - C) Net Domestic Product (NDP)
 - D) Purchasing power Parity (PPP)
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67) Not seen in fecal pollution:

- A) Staphylococcus
 - B) Streptococcus
 - C) E.coli
 - D) Clostridium perfringes
-

68) All the following statements about purification of water are true except:

- A) Presence of clostridium spores indicate recent contamination
 - B) Coliforms must not be detected in any 100 ml sample of drinking water
 - C) Sodium Thiosulphate is used to neutralize chlorine
 - D) Coliforms may be detected by multiple tube method and indole production at 44 degrees
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69) Confirmatory test for coliforms count :

- A) Eijkman test
 - B) Casoni test
 - C) Nitrate test
 - D) Urease test
-

70) Kata Thermometer measures :

- A) Air temperature only
 - B) Air temperature and Humidity
 - C) Air temperature, Humidity and air movement
 - D) None
-

71) Acceptable level for physical comfort:

- A) Corrected effective temperature 79°F
- B) Corrected effective temperature 70-76°F
- C) Corrected effective temperature 80-81°F
- D) Corrected effective temperature >82°F

72) Strength of sewage is expressed in terms of all except:

- A) E coli Count
 - B) Suspended particle
 - C) Chemical oxygen demand
 - D) Biological oxygen demand
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73) The anopheles species most commonly found in coastal region is

- A) Philipinensis
 - B) Stephensi
 - C) Fluvialilis
 - D) Minimums
-

74) The nerve gas "sarin" is

- A) Organophosphorus compound
 - B) Organochloro compound
 - C) Carbamate
 - D) Acridine
-

75) Not true about screw feed technique is

- A) 80% volume reduction
 - B) Pathological waste are removed
 - C) Weight is decreased by 20 – 35%
 - D) Based on nonburn dry thermal treatment
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76) Epidemics after disaster are caused by all except;

- A) Leptospirosis
 - B) Rickettsiosis
 - C) Leishmaniasis
 - D) Acute Respiratory infection
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77) According to the Workman's compensation Act, 1992 which of the following is considered an occupational disease?

- A) Typhoid
 - B) Anthrax
 - C) Tetanus
 - D) Dengue
-

78) Hardy Weinberg law is related to :

- A) Gene therapy
 - B) Human Genome Project
 - C) Population Genetics
 - D) Eugenics
-

79) Effect of environment on genes is called :

- A) Positive Eugenics
 - B) Negative Eugenics
 - C) Euthenics
 - D) Ergonomics
-

80) Which of the following is a set point framed for long term plans but is yet something that cannot be quantified or measured:

- A) Target
- B) Goal
- C) Objective
- D) Mission

81) Bajaj committee in 1986 proposed :

- A) Multipurpose health worker
 - B) Manpower and planning
 - C) Rural health service
 - D) Integrated health services
-

82) Universal Health coverage of India was recently approved by which health committee?

- A) Medical education health group
 - B) MPW in health and family planning
 - C) High level expert group
 - D) Health survey and development committee
-

83) Antenatal support is not delivered by :

- A) Anganwadi worker
 - B) Female Health worker
 - C) Female health assistant
 - D) Traditional birth attendant
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84) Tropical diseases targeted for research and training by WHO include all except ;

- A) Trypanosomiasis
 - B) Filariasis
 - C) Schistosomiasis
 - D) Onchocerciasis
-

85) According to International Health Regulation (IHR) Act, a pregnant woman, with the following duration of pregnancy (in weeks), can't travel by air to other country:

- A) 20
 - B) 28
 - C) 32
 - D) 36
-

86) Yellow fever vaccination starts protection after how many days of injection:

- A) 5 days
 - B) 10 days
 - C) 15 days
 - D) 20 days
-

87) Which of the following is used to denote a continuous variables?

- A) Simple bar
 - B) Histogram
 - C) Pie diagram
 - D) Multiple bar
-

88) Likert scale is:

- A) Ordinal scale
 - B) Nominal scale
 - C) Variance scale
 - D) Categorical scale
-

89) Measuring variation between two different units is done through :

- A) Variance
- B) Coefficient of variance
- C) Standard deviation
- D) Range

90) Z score criteria applicable to :

- A) Normal distribution
 - B) Skewed deviation
 - C) Chi square test
 - D) Paired t test
-

91) For a Negative skewed data mean will be;

- A) Less than median
 - B) More than median
 - C) Equal to median
 - D) One
-

92) Q-test is used for detecting:

- A) Outliers
 - B) Interquartile range
 - C) Difference of means
 - D) Difference of proportions
-

93) About standard Normal curve all is true except:

- A) Area = 1
 - B) S.D = 1
 - C) Bell shaped
 - D) Mean and Median = 1
-

94) For calculation of sample size for a prevalence study all of the following are necessary except:

- A) Prevalence of disease in population
 - B) Power of the study
 - C) Significance level
 - D) Desired precision
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95) True about cluster sampling are all except :

- A) Sample size same as simple random
 - B) It is two stage sampling
 - C) Cheaper than other methods
 - D) It is a method for rapid assessment
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96) In a study, variation in cholesterol was seen before and after giving a drug. The test which would give its significance is :

- A) Unpaired t test
 - B) Fischer test
 - C) Paired t test
 - D) Chi square test
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97) Appropriate statistical method to compare two proportion is :

- A) Chi square test
 - B) Student's t test
 - C) Odds ratio
 - D) Correlation Coefficient
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98) For testing the statistical significance of the difference in heights of school children:

- A) Student's test
- B) Chi square test
- C) Paired t test
- D) One way analysis of variance (One way ANOV)

99) Pearson or Spearman coefficient is used for evaluation of :

- A) Differences in proportion
 - B) Comparison of more than 2 means
 - C) Comparison of variance
 - D) Correlation
-

100) Receiver Operator Characteristic (RO) curve is usually drawn between:

- A) Sensitivity & Specificity
- B) (1-Sensitivity) & Specificity
- C) Sensitivity & (1-Specificity)
- D) (1-Sensitivity) & (1-Specificity)