



# **MBBS THIRD PROFESSIONAL**

## **Community Medicine**

### **(Multiple Choice Questions)**

Total Marks: 65  
Time Allowed: 1 hour and 5 minutes

MCQ Paper ID M T C A i O S 1 2 3 4 5 6 7 8 9

### Instructions

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  - ii. Attempt all questions.
  - iii. Question Paper to be returned along with MCQ Response Form.
  - iv. Candidates are strictly prohibited to give any identification mark except Roll No. & Signature in the specified columns only.

- Q.1 Obesity and overweight are the major risk factors for:

  - a) Colon cancer
  - b) Thyroid cancer
  - c) Acid peptic disease

d) Bronchial Asthma

e) Diabetes

- Q.2 This carbohydrate is a vital emergency fuel for the heart:

  - a) Glucose
  - b) Fructose
  - c) Glycogen
  - d) Galactose
  - e) Sucrose

- Q.3 Active Immunization against Tetanus can be done by:

  - a) Hyper immune human globulins
  - b) Tetanus Toxoid
  - c) Tetanus Immunoglobulins
  - d) Tetanus anti toxin
  - e) Anti Tetanus serum

- Q.4 Hepatitis A is mainly transmitted by:

  - a) Sexual activity
  - b) Contaminated needle
  - c) Contaminated water
  - d) Mosquito bite
  - e) Skin contact

- Q.5 Anti sera are available for the following diseases except:

  - a) Tetanus
  - b) Mumps
  - c) Gas gangrene
  - d) Botulism
  - e) Rabies

- Q.6 Transfer of Maternal antibodies via breast milk is an example of:

  - a) Person to person immunization
  - b) Active Immunization
  - c) Direct Immunization
  - d) Indirect Immunization
  - e) Passive Immunization

- Q.7 Under EPI, vaccination against Poliomyelitis include the following total number of doses given one month apart:

  - a) 5
  - b) 4
  - c) 3
  - d) 2

- Q.8 Simultaneous active-passive immunization can be done against the following  
a) Hepatitis B      d) Poliomyelitis  
b) Tetanus            e) Rabies



- Q.10 In medical statistics the P value is set at:**

  - a)  $P < 1.00$
  - b)  $P < 0.01$
  - c)  $P < 0.05$
  - d)  $P < 0.5$
  - e)  $P < 1.5$

- Q.11 The mode of the following data is {2,3,5,2,7,2,9,4,3}: (1) 2  
(2) 3  
(3) 4

- Q.12 The probability of making type I or  $\alpha$  error is called: *sig level*

a) Chi-square value      d) Sampling error  
 b) Significance level      e) P-value  
 c) Power of test

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- Q.13 To achieve replacement level of population growth the TFR in a country should be:  
a) 80 %  
b) 100 %  
c) 20 %  
d) 40 %  
e) 60 %
- Q.14 Pelvic Inflammatory disease is an absolute contraindication for:  
a) Tubal ligation  
b) Injection of hormones  
c) Use of oral contraceptive pills  
d) Use of condom  
e) Insertion of IUCD (Intra Uterine Contraceptive Device)
- Q.15 For a lactating mother, the following contraceptive methods can be used except:  
a) Injectable hormones  
b) Diaphragm  
c) OCP(Oral Contraceptive Pill)  
d) IUCD(Intra uterine contraceptive Device)  
e) Condom
- Q.16 Several studies have found that 65% of cases of Lung cancer are due to cigarette smoking. This measure is an example of:  
a) Proportionate mortality ratio  
b) Incidence rate  
c) Attributable risk  
d) Relative risk  
e) None of the above
- Q.17 A Case-Control study has following characters:  
a) It is inexpensive compared with other research designs  
b) Cases with the disease are compared to controls without disease  
c) Incidence rates can be computed directly  
d) a and b  
e) a, b and c
- Q.18 In a study begun in 1970, a group of 2000 male adults in Lahore were asked about cigarette smoking. The occurrence of cases of Ischemic heart disease was studied in this group between 1980 and 1990. this is an example of:  
a) Clinical trial  
b) Case-Control study  
c) Cross-sectional study  
d) Prospective cohort study  
e) Retrospective cohort study
- Q.19 Following are the attributes of a clinical trial:  
a) Comparison  
b) Randomization  
c) Blinding  
d) a, b  
e) a, b and c
- Q.20 Recall Bias is a disadvantage of:  
a) Experimental study design  
b) Correlation study design  
c) Cross-sectional study design  
d) Case-Control study design  
e) Cohort study design
- Q.21 In a Cohort study, the advantage of starting by selecting a defined population for study before any of its members become exposed is:  
a) A number of outcomes can be studied simultaneously  
b) The study can be completed very rapidly  
c) The study is cheaper to carry out  
d) There are less losses to follow-up  
e) a and b
- Q.22 The purpose of a double-blind clinical trial is to:  
a) Achieve comparability of treated and untreated subjects  
b) Avoid observer and subject bias  
c) Reduce the effects of sampling variation  
d) Avoid observer bias and sampling variation  
e) None of the above
- Q.23 While calculating Standardized Mortality ratio, the numerator would consists of:  
a) Extrapolated number of deaths per year  
b) Expected number of deaths per year  
c) Observed number of deaths per year  
d) Total number of deaths per year  
e) None of the above
- Q.24 Probability sampling techniques are:  
a) Simple random sampling  
b) Quota sampling  
c) Stratified sampling  
d) a and b  
e) a and c
- Q.25 In Maternal Mortality rate, the denominator consists of:  
a) Total number of pregnant women at specified place and time  
b) Total number of women in the age group  
c) Total population  
d) Total number of live births at specified place and time  
e) Total number of women at specified place and time  
f) None of the above

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- Q.26 Functions of disease surveillance are:  
a) Establishment of base-line data  
b) Investigations of Epidemics  
c) Testing hypothesis  
d) a and b  
e) a, b and c
- Q.27 Health Promotion measures are:  
a) Health Education  
b) Environmental sanitation  
c) Vaccination  
d) a and b  
e) a and c
- Q.28 In Biostatistics, when the first variable is contingent upon the second variable. The first variable is called:  
a) Definite variable  
b) Dependent variable  
c) Independent variable  
d) Predictor variable  
e) None of the above
- Q.29 The best way to prevent dehydration in a child suffering from acute diarrhoea is to use:  
a) Antimotility drugs  
b) Oral rehydration solution  
c) Intravenous saline  
d) Antibiotic therapy  
e) Antispasmodic agents
- Q.30 If the mother is HBsAg positive, at birth the neonate is vaccinated with:  
a) Not immunized against Hepatitis B  
b) Given antiviral therapy  
c) Hepatitis B vaccine  
d) Hepatitis B vaccine + HBIG  
e) HBIG
- Q.31 If a vertical line drawn from the edge of the desk falls away from the edge of the seat, it is called  
a) Inclined desk  
b) Reclined desk  
c) Minus desk  
d) Plus desk  
e) Zero desk
- Q.32 School going children commonly suffer from the following disorders EXCEPT:  
a) Worm infestation  
b) Rheumatoid arthritis  
c) Refractive error of eye  
d) Ear ache and sore throat  
e) Scabies
- Q.33 The recommended minimum floor space per child at school should be:  
a) 35 sq feet  
b) 20 sq feet  
c) 15 sq feet  
d) 20 sq feet  
e) 25 sq feet
- Q.34 In water chlorination, the recommended residual chlorine in water should be:  
a) 2 mg/l  
b) 2.5 mg/l  
c) 0.5 mg/l  
d) 1 mg/l  
e) 1.5 mg/l
- Q.35 Contaminated needles and sharps are an Example of:  
a) Recyclable hospital waste  
b) Non-recyclable hospital waste  
c) Hazardous hospital waste  
d) Non-hazardous hospital waste  
e) Special hospital waste
- Q.36 Ergonomics is a :  
a) Branch of Anthropology  
b) It is the study of workers in relation to the working environments  
c) It is the study of Agricultural economics  
d) It is the study of Astrophysics  
e) It is a branch of Geology and Earth Sciences
- Q.37 Occupational Cancers include the following except:  
a) Liver Cancer  
b) Ovarian Cancer  
c) Lung Cancer  
d) Skin Cancer  
e) Testicular cancer
- Q.38 A farmer got ill after spraying his wheat crops with an insecticide. He was irritable, sweating, had increased salivation and urinary incontinence. The appropriate management would be to give:  
a) Morphine  
b) Purgative  
c) Anti-histamine  
d) barbiturates  
e) Atropine
- Q.39 All are the Ethical Principles of Medical Research except:  
a) Confidentiality  
b) Non-maleficence  
c) Autonomy  
d) Altruism  
e) Beneficence
- Q.40 Poly-valent antishake venom serum should be given:  
a) Intramuscularly  
b) Subcutaneously  
c) Intravenously  
d) Intradermally  
e) None of the above

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- Q.53 Recommended daily additional energy requirement for a lactating mother is:  
a) 100-250 K cal per day  
b) 400-550 K cal per day  
c) 500-650 K cal per day  
d) 200-350 K cal per day  
e) 300-450 K cal per day
- Q.54 Levels of Disease Prevention include all except:  
a) Disability Limitation  
b) Rehabilitation  
c) Health protection  
d) Specific protection  
e) Early diagnosis and prompt treatment
- Q.55 Following are the Principles of primary health care:  
a) Community participation  
b) Multi-sectoral collaboration  
c) Non-governance  
d) a and b  
e) a, b and c
- Q.56 Water fluoridation is an example of:  
a) A primordial prevention  
b) It is not a preventive strategy  
c) A primary preventive strategy  
d) A secondary preventive strategy  
e) A tertiary preventive strategy
- Q.57 During the 19th century, John Snow:  
a) Hypothesized that Cholera is mainly due to malnutrition  
b) Was the first to develop vaccine against Small pox  
c) Proved his miasmatic theory of disease  
d) Proved that Cholera is spread through contaminated water  
e) Was the first to use chloroform on a woman in labour
- Q.58 A researcher is interested in recording the number of individuals suffering from common cold in a particular geographic region at a particular point in time. The most appropriate measure of morbidity would be:  
a) Attack rate  
b) Cumulative incidence  
c) Incidence density  
d) Period prevalence  
e) Point prevalence
- Q.59 A researcher is interested in knowing how many new cases of Measles develops at a primary co-education school during October 2010. Assuming that there are no new enrolments and no drop outs during the specified month, the most appropriate measure of morbidity is:  
a) Incidence density  
b) Point prevalence  
c) Attack rate  
d) Secondary attack rate  
e) Incidence rate
- Q.60 Which of these is not a primary requirement for conducting screening for disease control:  
a) The disease can lead to complications and disability if not detected early  
b) Prevalence of disease must be high in the population under study.  
c) The screening program should be funded by the government  
d) The disease must be severe  
e) There should be a favourable prognosis after early detection and treatment
- Q.61 It is assumed that a disease can either be transmitted directly or indirectly. A vector such as mosquito is an example of:  
a) direct transmission of disease  
b) common vehicle exposure  
c) multiple source transmission  
d) indirect transmission of disease  
e) single source
- Q.62 The resistance of a population to an attack of disease to which a large portion of its members are immune is called:  
a) Immunogenesis  
b) Group immunity  
c) Ring immunity  
d) Panum's limit  
e) Herd immunity
- Q.63 The rate of disease in susceptible people who have been exposed to a primary case is referred as:  
a) Post primary attack rate  
b) Person to person attack rate  
c) Primary attack rate  
d) Population attack rate  
e) Secondary attack rate
- Q.64 The body's primary source of Energy is:  
a) Glucose  
b) Galactose  
c) Fructose  
d) Maltose  
e) Glycogen
- Q.65 Dietary fibre that serves as a body's regulatory agent is a:  
a) Mineral  
b) Vitamin  
c) Proteins  
d) Fats  
e) Carbohydrates

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**MBBS THIRD PROFESSIONAL  
Community Medicine  
(Multiple Choice Questions)**

Signature of Candidate \_\_\_\_\_

Roll No. \_\_\_\_\_

otal Marks: 65

Time Allowed: 1 hour and 5 minutes

MCQ Paper ID [ M | T | C | S | 1 | 0 | 5 | 4 | 3 | 7 | 9 | 8 ]

**Instructions:** i. Read the instructions on the MCQ Response Form carefully.

At the top of the page

Question Paper No. \_\_\_\_\_

Date \_\_\_\_\_

Page \_\_\_\_\_

Total No. of Questions \_\_\_\_\_

Last Date \_\_\_\_\_

Signature \_\_\_\_\_

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- Q.1 A method of identifying missing cases of disease is called:**
- a) Disease monitoring
  - b) Disease notification
  - c) Active surveillance
  - d) Passive surveillance
  - e) Sentinel surveillance
- Q.2 If Sensitivity of a screening test is 20%, False negative error rate will be:**
- a) 40%
  - b) 50%
  - c) 60%
  - d) 70%
  - e) 80%
- Q.3 High disease prevalence results in:**
- a) Increased Positive Predictive value of a screening test
  - b) Decreased Positive Predictive value of a screening test  $\Rightarrow$  Decreased sensitivity
  - c) Increased Negative predictive value of a screening test
  - d) Decreased Negative Predictive value of a screening test
  - e) Increased Specificity of a screening test
- Q.4 Any systematic error in the design, conduct and analysis of a study that results in a mistaken estimate of an exposure's effect on the risk of disease is called:**
- a) Bias
  - b) Confounding
  - c) Effect modification
  - d) Random error
  - e) Synergism
- Q.5 The likelihood of a causal association between two variables increases by the presence of:**
- a) Biological plausibility
  - b) Coherence of the association
  - c) Consistency of the association
  - d) a and b
  - e) a, b and c
- Q.6 Prevalence of a disease or a risk factor can be estimated in a:**
- a) Case-control study
  - b) Case report
  - c) Case series
  - d) Correlational study
  - e) Cross-sectional study
- Q.7 Measure of risk in a Cohort study is called:**
- a) Absolute risk
  - b) Attributable risk
  - c) Odds ratio
  - d) Population Attributable risk
  - e) Relative risk
- Q.8 Hepatitis B virus can be transmitted via:**
- a) Food
  - b) Blood
  - c) Sexual intercourse
  - d) a and b
  - e) b and c
- Q.9 When numerator is part of a denominator, the measure is called a:**
- a) Mean
  - b) Percentile
  - c) Range
  - d) Rate
  - e) Ratio
- Q.10 The frequency of new events per person-time is referred as:**
- a) Cumulative Incidence
  - b) Incidence density
  - c) Period Prevalence
  - d) Point prevalence
  - e) Risk difference
- Q.11 Modifiable risk factors for coronary heart disease are:**
- a) Age
  - b) Cigarette smoking
  - c) Sedentary life style
  - d) a and b
  - e) b and c

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12. The risk factors for Cervical cancer are:  
 a) Genital warts  
 b) Multiple sexual partners  
 c) Upper socio-economic status  
 d) a and b  
 e) b and c
13. The antibody generated first in a primary immune response is:  
 a) IgA  
 b) IgD  
 c) IgE  
 d) IgG  
 e) IgM
14. Chemoprophylaxis is done for:  
 a) Cholera  
 b) Diphtheria  
 c) Malaria  
 d) Meningococcal Meningitis  
 e) All of the above
15. The best way to prevent Tetanus neonatorum is to:  
 a) Actively immunize mother in pregnancy against Tetanus  
 b) Ensure aseptic cutting of the umbilical cord  
 c) Ensure clean hands for delivery of the baby  
 d) Ensure clean surface for delivery of the baby  
 e) Give intravenous antibiotic to the newborn for 7 days
16. Simultaneous active Passive Immunization is done in the following diseases:  
 a) Diphtheria  
 b) Hepatitis B  
 c) Tetanus  
 d) a and b  
 e) a, b and c
17. Vaccine that is created by altering the disease organisms in such a way that their antigenicity is retained but they are no longer pathogenic is called:  
 a) Inactivated vaccine  
 b) Live attenuated vaccine  
 c) Plasma derived vaccine  
 d) Recombinant vaccine  
 e) Split unit vaccine
18. High risk groups for Hepatitis C transmission are:  
 a) Intravenous drug addicts  
 b) Recipients of multiple blood transfusions  
 c) Those involved in unprotected casual sex  
 d) a and c  
 e) a, b and c
19. Passive immunization can be achieved by:  
 a) Maternal antibodies transferred through placenta  
 b) Breast milk antibodies  
 c) Toxoids injected at birth  
 d) a and b  
 e) a and c
20. When the population is first divided into internally homogeneous groups, from which random samples are then drawn, it is an example of:  
 a) Cluster sampling  
 b) Multi stage sampling  
 c) Simple random sampling  
 d) Stratified sampling  
 e) Systematic sampling
21. In the distribution consisting of the elements 6, 9, 15, 17, 24, 29 the MEDIAN is:  
 a) 15  
 b) 16  
 c) 17  
 d) 18  
 e) 19
22. Type I or Alpha error occurs when:  
 a) Null hypothesis is true and researcher accepts Null hypothesis  
 b) Null hypothesis is true and researcher rejects Null hypothesis  
 c) Alternate hypothesis is true and researcher accepts alternate hypothesis  
 d) Alternate hypothesis is true and researcher rejects alternate hypothesis  
 e) None of the above
23. A researcher wants to calculate the absolute risk of contracting a disease. The most suitable study design would be:  
 a) Case-control study  
 b) Cohort study  
 c) Correlational study  
 d) Cross sectional study  
 e) Experimental study
24. In a normal distribution curve, 95% of the distribution falls within:  
 a)  $\pm 1$  standard deviation of the mean  
 b)  $\pm 2$  standard deviations of the mean  
 c)  $\pm 3$  standard deviations of the mean  
 d)  $\pm 4$  standard deviations of the mean  
 e) None of the above

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If the Growth rate of a developed country remains constant at .08 percent, the population of that country would double in:

- a) 575 years
- b) 675 years
- c) 775 years
- d) 875 years
- e) 975 years

In a population pyramid, when each cohort is larger than the previous cohort, producing a PYRAMID shape, it indicates:

- a) Rapid growth
- b) Slow growth
- c) Zero growth
- d) b and c
- e) None of the above

**Q.27** Replacement level fertility is indicated by a Net Reproductive Rate (NRR) of:

- a) 0
- b) 1
- c) 2
- d) 3
- e) 4

**Q.28** The annual number of deaths of infants ages 28 days to 1 year per 1000 live births in a given year is called:

- a) Child mortality rate
- b) Early neonatal mortality rate
- c) General mortality rate
- d) Infant mortality rate
- e) Post-neonatal mortality rate

**Q.29** Pelvic inflammatory disease is an important complication after:

- a) Hormonal injection
- b) Intrauterine contraceptive device insertion
- c) Oral Contraceptive intake
- d) Tubal ligation
- e) Use of Diaphragm

**Q.30** First antenatal visit should include the following, EXCEPT:

- a) Abdominal X-ray
- b) Blood grouping and Rh determination
- c) Complete blood count
- d) Complete urine analysis
- e) Ultra sound examination

**Q.31** Puerperal sepsis is the most common complication of:

- a) Ante-natal period
- b) Intra-natal period
- c) Post-natal period
- d) b and c
- e) None of the above

**Q.32** Colostrum is the most suitable food for the baby as it is rich in:

- a) Antibodies
- b) Fats
- c) Minerals
- d) Carbohydrates
- e) c and d

**Q.33** In developing countries, direct causes of maternal mortality include the following EXCEPT:

- a) Anaemia
- b) Excessive Bleeding
- c) Eclampsia
- d) Infection
- e) Obstructed labour

**Q.34** Desks provided at schools should be :

- a) Minus desks
- b) Plus desks
- c) Zero desks
- d) Computer desks
- e) Office desks

**Q.35** Following are the components of School Health program:

- a) Health appraisal of school children
- b) First aid and emergency care
- c) Dental Health care
- d) a and b
- e) a, b and c

**Q.36** In an ideal school classroom, the combined door and window area should be:

- a) 5% of the floor space
- b) 10% of the floor space
- c) 15% of the floor space
- d) 20% of the floor space
- e) 25% of the floor space

**Q.37** Long term ingestion of arsenic containing water results in:

- a) Gangrene of extremities
- b) Hyperkeratosis
- c) Skin cancer
- d) a and b
- e) a, b and c

**Q.38** Cholinesterase inhibition in Organophosphate pesticides poisoning results in:

- a) Lacrimation
- b) Salivation
- c) Urination
- d) a and b
- e) a, b and c

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- 1.39 WHO reported an alleged increase in incidence of malignant pleural mesothelioma in an industrial town in Turkey in 2009. The most likely exposure is to:
- a) Arsenic
  - b) Asbestos
  - c) Lead
  - d) Mercury
  - e) Silicone
- 1.40 Group approach in Health Communication includes:
- a) Panel discussion
  - b) Role play
  - c) Workshop
  - d) a and b
  - e) a, b and c
- 1.41 The average number of fleas of all species per rodent is called:
- a) General Flea Index
  - b) Percentage Incidence of Flea Species
  - c) Rodent Infestation Rate
  - d) Specific Flea Index
  - e) None of the above
- 1.42 Artificial collections of water are a breeding medium for:
- a) Aedes
  - b) Anopheles
  - c) Culex
  - d) Mansonia
  - e) a and b
- 1.43 Causative agent of Trachoma is:
- a) Chlamydia
  - b) Histoplasma
  - c) Leptospira
  - d) Mycobacteria
  - e) Rickettsia
- 1.44 Amoebic dysentery is due to:
- a) Contact transmission of the causative agent
  - b) Faeco-oral transmission of the causative agent
  - c) Respiratory transmission of the causative agent
  - d) Sexual transmission of the causative agent
  - e) Vertical transmission of the causative agent
- 1.45 Mental health program includes:
- a) Early diagnosis and treatment
  - b) Psychotherapy
  - c) Rehabilitation
  - d) Use of Psychoactive drugs
  - e) All of the above
- 1.46 The most effective personal hygiene measure to prevent disease transmission is:
- a) Daily bathing
  - b) Head delousing
  - c) Repeated hand washing
  - d) Use of hander-chief when sneezing
  - e) Wearing appropriate footwear
- 1.47 Cigarette smoking is a risk factor for:
- a) Diabetes Mellitus
  - b) Ischemic heart disease
  - c) Lung cancer
  - d) a, b and c
  - e) b and c
- 1.48 Addiction occurs due to all of the drugs EXCEPT:
- a) Alcohol
  - b) Cannabis
  - c) Cocaine
  - d) Heroin
  - e) Methamphetamine
- 1.49 The child labour act bans employment in mines and hazardous employments for children under:
- a) 12 years
  - b) 13 years
  - c) 14 years
  - d) 15 years
  - e) 16 years
- 1.50 Safe and wholesome water is defined as water that is:
- a) Free of pathogenic agents
  - b) Free from chemical agents
  - c) Free from colour and odour
  - d) a and b
  - e) a, b and c
- 1.51 For all water intended for drinking, E. coli must not be detectable in:
- a) Any 100 ml sample
  - b) Any 200 ml sample
  - c) Any 300 ml sample
  - d) Any 400 ml sample
  - e) Any 500 ml sample
- 1.52 Important air pollutant is:
- a) Carbon dioxide
  - b) Carbon monoxide
  - c) Hydrogen sulphide
  - d) Sulphur dioxide
  - e) All of the above

- Q.51 ICRP recommends that the genetic dose of radiation from all sources to the whole population over a period of 50 years must not exceed:
- a) 1 rem
  - b) 2 rem
  - c) 3 rem
- (d) 4 rem  
(e) 5 rem
- Q.54 The accepted standard for number of persons per room of a housing unit is:
- a) 1 person per room
  - b) 2 persons per room
  - c) 3 persons per room
- (d) 4 persons per room  
(e) 5 persons per room
- Q.55 In an International TRIAGE system of Emergency care, the colour code signifies:
- a) Ambulatory patients
  - b) Dead/ moribund patients
  - c) High priority treatment / transfer
- (d) Medium priority treatment / transfer  
(e) Low priority treatment / transfer
- Q.56 A level of serum albumin concentration of 3 g/dl indicates:
- a) Normal nutrition
  - b) Mild malnutrition
  - c) Moderate malnutrition
- (d) Severe malnutrition  
(e) Very severe malnutrition
- Q.57 The recommended daily intake of Vitamin A for an adult is:
- a) 300 micrograms
  - b) 600 micrograms
  - c) 900 micrograms
- (d) 1200 micrograms  
(e) 1500 micrograms
- Q.58 During pregnancy and lactation the commonest deficiency is of:
- a) Cyanocobalamin
  - b) Folate
  - c) Niacin
- (d) Pyridoxine  
(e) Riboflavin
- Q.59 The daily requirement of Iodine for adults is:
- a) 50 micrograms per day
  - b) 75 micrograms per day
  - c) 100 micrograms per day
- (d) 125 micrograms per day  
(e) 150 micrograms per day
- Q.60 For an Egg, the Net Protein Utilization (NPU) which signifies biological value and digestibility is:
- a) 0
  - b) 25
  - c) 50
- (d) 75  
(e) 100
- Q.61 In case of snake bite, antivenin may be required in first 24 hours in a total amount of:
- a) 25 ml
  - b) 50 ml
  - c) 100 ml
- (d) 125 ml  
(e) 150 ml
- Q.62 Primary health care include:
- a) Health education
  - b) Maternal and Child health
  - c) Health of the elderly
- (d) a and b  
(e) b and c
- Q.63 In Iceberg phenomenon of disease the submerged portion of an iceberg indicates:
- a) Apparent cases
  - b) Complicated cases
  - c) Cured cases
- (d) Diagnosed cases  
(e) Sub-clinical cases
- Q.64 Specific protective measure is:
- a) Health Education
  - b) Provision of safe drinking water
  - c) Sanitation
- (d) Vaccination  
(e) Vector control
- Q.65 In Biostatistics, when the first variable is contingent upon the second variable, The first variable is called:
- a) Dependent variable
  - b) Independent variable
  - c) Predictor variable
- (d) Define variable  
(e) None of the above

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Total Marks: 65

Time Allowed: 1 hour and 5 minutes

MCQ Paper 1D

Signature of Candidate

Roll No.

- Instructions:**
- Read the instructions on the MCQ Response Form carefully.
  - Attempt **all** questions.
  - Question Paper to be returned along with MCQ Response Form.
  - Candidates are strictly prohibited to give any identification mark except Roll No. & Signature in the specified columns only.

- Q.1** A family of seven persons with moderate income is residing in an area where sufficient water supply is available but access to sewerage line is not available. What excreta disposal system will you suggest for them?  
 a) Bore hole latrine  
 b) Aqua privy  
 c) Septic tank  
 d) Conservancy system  
 e) Open field disposal
- Q.2** The amount of radiation absorbed in air at a given point i.e. number of ions produced in 1 ml of air is named as:  
 a) Rad  
 b) Rem  
 c) Curie  
 d) Becquerel  
 e) Roentgen
- Q.3** Aslam 29 years old, Akram 32 years old, Khalida aged 30 years are residing in a house with a kid of six months. The house comprises of three well-ventilated rooms. How many more persons can reside in this house?  
 a) 2  
 b) 3  
 c) 1  
 d) 4  
 e) 5
- Q.4** During the month of August, a farmer is brought to hospital with high grade fever 110 °F, delirium, convulsions and loss of consciousness. Most probably he is suffering from:  
 a) Heat syncope  
 b) Heat exhaustion  
 c) Heat stroke  
 d) Heat cramps  
 e) Heat hyperpyrexia
- Q.5** 4<sup>th</sup> year MBBS class students about 320 were attending their lecture in a lecture theatre actually made for 250 students and without proper ventilation. After sometime they started feeling uncomfortable and suffocated. The main reason may be:  
 a) Less oxygen  
 b) More sweating  
 c) Biological pollution  
 d) Raised temperature and humidity  
 e) Increased carbon dioxide
- Q.6** A 4<sup>th</sup> year MBBS student living in a cubical of a hostel locked his room and went to cinema hall. He was watching movie, suddenly he developed the thought that he had not locked his room before leaving for cinema. He tried his best to satisfy himself, but failed and became restless and lost interest in movie. Finally he had to leave the cinema and went back to check the room which was locked. He was also habit of washing hands very frequently. What is most probable disorder:  
 a) Paranoia  
 b) Obsessive compulsive neurosis  
 c) Manic depressive psychosis  
 d) Schizophrenia  
 e) Insanity
- Q.7** A 43 years old farmer who works in his fields bare-footed and is in habit of field squatting, reports to you with dyspnoea, fatigue, loss of sleep, generalised aches and pains. His Hb % level is 6.5 gm/dl. What is likely diagnosis:  
 a) Ankylostomiasis  
 b) Ascariasis  
 c) Amoebiasis  
 d) Hydatid disease  
 e) Enterobiasis
- Q.8** A boy from rural area aged 7 years was operated for intestinal obstruction. During surgery it was revealed that gut was obstructed at ileocaecal junction due to worms. Which worm probably have caused this problem:  
 a) Strongyloides stercoralis  
 b) Enterobius vermicularis  
 c) Dracunculus medinensis  
 d) Ascaris lumbricoides  
 e) Ankylostoma duodenale

- 6021  
B-021
- Q.9 During inspection of school, the school medical officer noticed that students are using plus desks. What should he tell to the head master, that upon use of such desks for a longer period may result in students, the problems of:  
a) Elbows  
b) Knees  
c) Back  
d) Shoulders  
e) Heels
- Q.10 A teacher noticed a student scratching intensely his scalp and on the back of ears as well, during the class. What problem the student may have?  
a) Allergy  
b) Pediculosis  
c) Ring worm infection  
d) Scabies  
e) Tick infestation
- Q.11 A school administration has provided health services including emergency services, mental health, health education and service for special children. Which essential health care service is still needed to be included:  
a) Dental health services  
b) Surgery services  
c) Domiciliary services  
d) Orthopaedic services  
e) Disaster control measures
- Q.12 A 10 years old boy reported to the hospital after snake bite. On examination, petechial haemorrhages were seen. Bleeding per rectum and gums was observed. The toxic substance in the snake venom was:  
a) Neurotoxin  
b) Cholinesterase  
c) Hyaluronidase  
d) Proteolysin  
e) Thromboplastin
- Q.13 A mother brings her three months old son for vaccination who is having cerebral palsy. Which one of the vaccines included in EPI schedule must be avoided in such child:  
a) DPT vaccine  
b) OPV  
c) Measles vaccine  
d) Hib vaccine  
e) BCG vaccine
- Q.14 A woman reports for vaccination against tetanus only one month before delivery for the 1<sup>st</sup> time to prevent tetanus infection, one should give:  
a) T.T. two doses two weeks apart  
b) Anti-tetanic Immunoglobulin (ATIG) stat  
c) Antibiotics during delivery  
d) ATIG after delivery  
e) TT<sub>1</sub> at present and TT<sub>2</sub> after delivery
- Q.15 A patient presented with painful cutaneous ulcer on forearm. On enquiry it was revealed that ulcer started as a granular nodule after some insect bite when he was in Baluchistan. The symptoms indicate bite by:  
a) Xenopsylla cheopis  
b) Phlebotomus  
c) Black fly  
d) Glossinae palpalis  
e) Sarcoptes scabiei
- Q.16 Plague bacilli are transmitted through rat flea. This biological transmission is:  
a) Propagative  
b) Mechanical  
c) Cyclo-propagative  
d) Developmental  
e) Cyclo-development
- Q.17 Earthquake in Azad Kashmir in 2005 resulted in countless deaths and injuries. Several NGOs and Govt. institutions rushed to combat the immediate post-disaster phase. The main point they focussed on was:  
a) Provision of communication means  
b) Vaccination against infection diseases  
c) Provision of safe water and food  
d) Disposal of solid wastes  
e) Evacuation of dead bodies
- Q.18 Ideally a normal pregnant lady requires 12 ante-natal visits. Keeping in view the situation of Pakistani ladies, how much visits are advised:  
a) 5  
b) 3  
c) 4  
d) 6  
e) 7
- Q.19 In nulliparous females, the contra indicated method of contraception is:  
a) IUCDs  
b) Oral contraceptive pills  
c) Injectable depot preparation  
d) Barrier methods  
e) Rhythm method

# 4 year C-MED 2011 ANUAL MCQ

- Q.20 A paediatrician wants to start anti-tubercular treatment in an established case of pulmonary T.B who is a boy of three years. Which one of the following drugs should not be included:  
a) Ethambutol  
b) Streptomycin  
c) Rifampicin  
d) INH  
e) Pyrazinamide
- Q.21 Use of oral contraceptive pills by a smoker woman above 35 years of age is most likely to be associated with increased risk of:  
a) Cervical cancer  
b) Breast carcinoma  
c) Chronic bronchitis  
d) Peripheral neuropathy  
e) Coronary heart disease
- Q.22 A baby died after 15<sup>th</sup> day of his birth due to congenital anomalies. This death will be categorised as:  
a) Perinatal  
b) Early neonatal  
c) Neonatal  
d) Late fetal  
e) Post neonatal
- Q.23 An educated mother reported to a well baby clinic with her 7<sup>th</sup> month old child. She was worried about growth of her precious child. The best single measure for assessing the physical growth in this age is:  
a) Height for age  
b) Weight for age  
c) Chest/head ratio  
d) Skin fold thickness  
e) Mid upper arm circumference
- Q.24 A child is said to be doing child labour when his age is less than:  
a) 12 years  
b) 15 years  
c) 17 years  
d) 16 years  
e) 10 years
- Q.25 A mother brings her 10 years old son to a psychiatrist. She complains that the boy starts feeling abdominal pain soon he reaches school and becomes alright when back. His academic record is satisfactory. This presentation is suggestive of:  
a) Mental retardation  
b) Habit disorder  
c) Psychomotor disorder  
d) Educational difficulties  
e) Juvenile delinquency
- Q.26 A 35 years old person presented with loss of weight and appetite. He also admitted his dependence on a substance. On examination, he had palmar erythema and ataxic gait. The likely abused substance is:  
a) Cocaine  
b) Barbiturates  
c) Heroin  
d) Tobacco  
e) Alcohol
- Q.27 The most important factor which makes smoking cessation programme successful is:  
a) A well planned programme  
b) The drive of smoker to stop smoking  
c) Availability of replacement therapy  
d) Advice by a competent doctor  
e) Follow up programme
- Q.28 The measures taken against a health problem to prevent its occurrence in a population where it is not seen are known as:  
a) Primary prevention  
b) Secondary prevention  
c) Tertiary prevention  
d) Special prevention  
e) Primordial prevention
- Q.29 Local Govt. is interested to provide safe water to a village with 250 households. As there are no electricity arrangements in the village and funds are also scarce, therefore, it is decided to provide each household with one Pakistan made hand pump. Which one of the principles of primary health care has been acted upon:  
a) Multi-sectoral approach  
b) Appropriate technology  
c) Community participation  
d) Equitable distribution  
e) Self reliance
- Q.30 A young student aged 14 was a good athlete. He lost his leg (left) in a road side accident. He recovered but was very upset despite having artificial leg as he was unable to participate in his school annual athletics. His failure to participate in athletics will be named as:  
a) Disability  
b) Accident  
c) Impairment  
d) Handicap  
e) Disappointment

# 4 year C-MED 2011 ANUAL MCQ

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- Q.31 Health is the basic right of a citizen of a state. Therefore, health care services must be staffed, organised, administered and financed in every imaginable way. Which one of the following is not the characteristic of good health care services:  
 a) Adequacy  
 b) Sophistication  
 c) Comprehensiveness  
 d) Availability  
 e) Accessibility
- Q.32 Government of Pakistan has setup a huge health system. This Public Health System in Pakistan is working on which one of the following tier system:  
 a) Three tiers  
 b) One tier  
 c) Two tiers  
 d) Four tiers  
 e) Five tiers
- Q.33 Medical officers working in rural areas of Pakistan are being trained to help the community into action, which is partly trained in home remedies of diarrhoea. This leadership role of the medical officers would be categorised as:  
 a) Supporting  
 b) Delegating  
 c) Coaching  
 d) Directing  
 e) Leading
- Q.34 There is an epidemic of pyogenic meningitis among army soldiers of a unit. The best chemoprophylactic agent for the protection of contacts will be:  
 a) Chloramphenicol  
 b) Cephalosporins  
 c) Doxycycline  
 d) Penicillin  
 e) Rifampicin
- Q.35 A cohort study revealed a strong association between smoking and liver cirrhosis. The researcher then divided this cohort into two groups i.e. alcohol consumers and non-consumers. Subsequent analysis did not reveal any association between smoking and liver cirrhosis with either group. The given situation is an example of:  
 a) Selection bias  
 b) Observers bias  
 c) Recall bias  
 d) Confounding  
 e) Measurement bias
- Q.36 A new multidrug chemotherapy regimen significantly prolongs the survival rate in patients with lung cancer. After implementation of this new regimen what changes in the incidence and prevalence of lung cancer would you expect:  
 a) Incidence and prevalence both will decrease  
 b) Incidence will not change but prevalence will increase  
 c) Incidence will increase but no increase in prevalence  
 d) No change both in incidence and prevalence  
 e) Incidence will decrease but prevalence will increase
- Q.37 The following results were obtained after testing a screening test versus a gold standard;
- | Sr.# | Histology | Screening test |          |       |
|------|-----------|----------------|----------|-------|
|      |           | Test +ve       | Test -ve | Total |
| 1.   | +ve       | 40             | 10       | 50    |
| 2.   | -ve       | 50             | 900      | 950   |
|      | Total     | 90             | 910      | 1000  |
- The specificity of screening test is approximately:  
 a) 85 %  
 b) 75 %  
 c) 55 %  
 d) 95 %  
 e) 45 %
- Q.38 The trend of mortality from pulmonary tuberculosis in England showed a steady fall till 1965 but after that, there was gradual rise in incidence of T.B. This type of time trend or fluctuation is named as:  
 a) Secular trend  
 b) Cyclic trend  
 c) Epidemic trend  
 d) Seasonal trend  
 e) Pandemic trend
- Q.39 A factor is suspected to be associated with causation of multiple diseases. A researcher is interested to conduct a study to accept or refute the hypothesis. Which type of study would you recommend:  
 a) Cross-sectional  
 b) Cohort  
 c) Case-control  
 d) Experimental  
 e) Quasi-experimental

- Q.40 A 10 years old child was tested for Diphtheria status. His throat swab was taken and sent for culture. Schick test was performed. Final results were that his throat culture was negative for *corynebacterium diphtheriae*. While his schick test was strongly positive. On the basis of these results he is:  
a) Case of diphtheria  
b) Partially treated case of diphtheria  
c) Immune to diphtheria  
d) Carrier of diphtheria  
e) Susceptible to diphtheria
- Q.41 A surgeon while performing surgery had a prick from Hepatitis B carrier patient. Unluckily surgeon was susceptible to HBV infection. About one year after prick, he got his serum tested for all HBV markers. Result revealed that he was positive for anti-HBc and anti-HBs. What is your interpretation:  
a) He is susceptible  
b) He is immune  
c) He is carrier  
d) He is partially treated cases  
e) He is running active course of disease
- Q.42 An adult weighing 70 Kg and having height of 1.5 m has BMI of about 28. According to WHO standard classification of adults on the basis of BMI, he is:  
a) Under weight  
b) Normal weight  
c) Over weight  
d) Obese  
e) Pre-obese
- Q.43 During a routine check up of a 50 years old person weighing 75 Kgs, his serum cholesterol level was found to be 255 mg/100ml and he was also hypertensive. The risk factor for this particular condition is:  
a) Physical  
b) Biological  
c) Mechanical  
d) Chemical  
e) Nutritive
- Q.44 A veterinary surgeon is interested to get himself vaccinated pre-exposurely against rabies. He should be given preferably the cell cultured vaccine according to one of the following schedules:  
a) Day 0, 3, 7, 28  
b) Day 0, 3, 7, 21  
c) Day 0, 7, 28  
d) Day 0, 3, 7, 21, 28  
e) Day 0, 3, 7, 21, 28, 90
- Q.45 In a village two pregnant ladies in 1<sup>st</sup> trimester of pregnancy who live in the same house, using iron preparations developed mild fever and rash and recovered after few days uneventfully. One of these two ladies aborted at 18 weeks and other completed the pregnancy and gave birth to a baby with heart anomalies, congenital cataract and deafness. The likely disease, these two women suffered from was:  
a) Rubella  
b) Rubeola  
c) Chicken pox  
d) Drug reaction  
e) Typhoid
- Q.46 A boy 8 years old was tested with tuberculin intradermally. After 72 hours his induration was 6 mm in diameter. How will you interpret this test:  
a) Negative  
b) Positive  
c) Strongly positive  
d) Strongly negative  
e) Doubtful
- Q.47 A 25 years old person reported with painful, vesicular and pustular eruptions in the distribution of sensory nerve roots on his back. He had history of suffering from chicken pox 10 year back. What probable diagnosis would be:  
a) Measles  
b) Chicken pox  
c) Scarlet fever  
d) Herpes simplex  
e) Shingles
- Q.48 Birth record of obstetric ward of a hospital for one month showed that; 40 newborns were under weight, 85 newborns were normal weight and 25 newborns were over weight. The chosen type of variable is:  
a) Ordinal  
b) Nominal  
c) Discrete  
d) Continuous  
e) Dichotomous
- Q.49 Blood pressure of 150 doctors was recorded. The mean BP was found to be 127 mmHg (systolic). The standard deviation was calculated to be 6 mmHg. If blood pressure is normally distributed, then how many doctors will have systolic blood pressure above 133 mmHg:  
a) 24  
b) 12  
c) 45  
d) 96  
e) 144

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- Q.50** A researcher is interested to find out the frequency of HIV positivity among I/V drug abusers in a city 'A'. Which type of sampling technique should be adopted?  
 a) Simple random sampling  
 b) Cluster sampling  
 c) Systematic random sampling  
 d) Quota sampling  
 e) Snow-ball sampling
- Q.51** Two groups of patients A & B, 100 each undergoing surgery were given antibiotics X & Y respectively to prevent post-operative infection. After follow up, the number who developed infection in group 'A' was 20 while 6 in group 'B'. Which test of significance would you suggest for such type of data?  
 a) Chi-square test  
 b) Correlation analysis  
 c) F-test  
 d) Regression analysis  
 e) Student's t test
- Q.52** An over-weight lady was advised by a doctor to reduce her weight. Doctor told her that she was attractive but would be more smart and attractive if she reduced her weight about 20 lbs. Which principle of health education was used by the doctor?  
 a) Interest  
 b) Participation  
 c) Motivation  
 d) Comprehension  
 e) Re-inforcement
- Q.53** A country is having crude birth rate of 23/100 and crude death rate of 6/1000 mid year population. Which stage of demographic transition it is running in?  
 a) Late expanding  
 b) High stationary  
 c) Early expanding  
 d) Low stationary  
 e) Declining
- Q.54** In a country 'X' the total births are equal to total deaths per annum. The vital index of that country will be:  
 a) 1.0  
 b) 0.5  
 c) 1.5  
 d) 2.0  
 e) 2.5
- Q.55** If annual population growth rate of Pakistan is taken as 1.5%, then what will be the population doubling time:  
 a) 47 years approximately  
 b) 29 years approximately  
 c) 38 years approximately  
 d) 56 years approximately  
 e) 65 years approximately
- Q.56** A child two year old reported to you with bleeding from injury while playing with his toys. On enquiry, his parents told that he was on prolonged antibiotic therapy due to repeated respiratory infections. Which micro nutrient deficiency is causing the problem?  
 a) Calcium  
 b) Iron  
 c) Vitamin B<sub>12</sub>  
 d) Vitamin K  
 e) Vitamin C
- Q.57** An educated lady who was nursing her newborn of four months age reports to you and enquire about the additional caloric requirement/day. How much increase will you recommend:  
 a) 400 Kcal  
 b) 450 Kcal  
 c) 500 Kcal  
 d) 600 Kcal  
 e) 550 Kcal
- Q.58** A child of four years age born normal, reports to you from Gilgit area. On examination, his development is noted to be slow; hearing and speech defects, unilateral squint was present. Muscular spasticity was also demonstrated. What is likely disorder?  
 a) Any congenital defect  
 b) Lead poisoning disorder  
 c) Thiamine deficiency disorder  
 d) Iodine deficiency disorder  
 e) Zinc deficiency disorder
- Q.59** Linoleic acid an essential fatty acid is abundantly found in vegetable oils. Which one of the following vegetable oils is the richest source of linoleic acid?  
 a) Safflower oil  
 b) Corn oil  
 c) Sunflower oil  
 d) Soyabean oil  
 e) Sesame oil
- Q.60** A child 02 years of age coming from a poor large family household presents with muscle wasting, loss of sub cutaneous fat with signs of oedema and weight below 60% of WHO standard. What likely diagnosis:  
 a) Thiamine deficiency  
 b) Marasmic kwashiorkor  
 c) Marasmus  
 d) Kwashiorkor  
 e) Pyridoxine deficiency

A man, who had been working in a ship breaking industry for the last ten years, presents with irritant cough, dyspnoea on exertion and chest pain. His total lung capacity is impaired and chest x-rays shows snow-storm appearance in the lung fields. What is your most probable diagnosis:

- a) Silicosis
- b) Asbestosis
- c) Anthracosis
- d) Bagassosis
- e) Byssinosis

**Q.62** A group of workers underwent complete blood examination on annual medical check up. 70% of them showed stippling of RBCs. Which chemical is causing the problem:

- a) Lead
- b) Phosphorous
- c) Sulphur
- d) Mercury
- e) Cadmium

**Q.63** Which one of the following is not true regarding occupational cancers:

- a) Appear after prolonged exposure
- b) Cancer does not develop after cessation of exposure
- c) Period between exposure and development of cancer may be 10 to 25 years
- d) Average age incidence is earlier than that of cancers in general population
- e) Localisation of the tumours is remarkably constant in any one occupation

**Q.64** In a glass factory some workers have developed silicosis, you being medical officer employed. What measures would you recommend to prevent this problem:

- a) Pre-placement examination
- b) Personal hygiene
- c) Periodic x-rays (chest)
- d) Rigorous dust control
- e) Substitution

**Q.65** The results of a 100ml sample of drinking water as follows:  
Coliform organisms negative/100ml  
E. coli organism negative/100ml  
Fluoride 5 ppm  
Cysts & ova ova +ve

Which disease is most likely to develop in the users of that area?

- a) Fluorosis
- b) Caries (Dental)
- c) Ascariasis
- d) Ankylostomiasis
- e) Schistosomiasis

..... UH - 311 / 11-A / 3 (b) -- (26.12.11) ....  
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Community Medicine 4th Year Key

1.chikn pox..shingles  
2.dental caries..  
3.esk...back pain  
4.pediculosis  
5.rubella  
6.linoliec...su nflower  
8.cacohort???

9.temp n humidity  
11.snow ball sampling  
12cerebral palsy..dpt  
13.tetanus tt1 at that tym n tt2 after birth  
14.streptomycin  
16.chest head circumference  
17.heat stroke  
18silicosis  
20.neonate 15 days  
21reontgen  
22.rabies...0.7 ,21,28,90  
23.ankylostoma  
25..black fly balochistan  
26.gilgit ..iodine  
27.vitamin K  
29.chi square test...signific ance  
30.cyclic trend?  
31.propagative  
33.Alchohol..

34.bore hole latrine?..septi c tank? 35.smoking quit mein drive of person to quit  
36.TT1 1 month b4 delivery and 1 after  
37.sophisticated  
39.cervical CA ya phr CHD?  
41.contraindicat ed in nulli para...IUCD...O CP?  
42.scool health..dental services  
43.4 antenatal visits  
44.motivation.. .moti ko smart banao  
45.three tiers  
46.550 calories is the correct answer.47.70 kg weight ,1.5 meter height ..BMI28...obese  
48.medical officer walay k correct answer was  
supporting  
49.rifampicin is the prophylactic treatment of  
meningitis  
50.2005 kshmir earth quake evacuation of bodies  
51.age limit of child labour...15??  
52.48 hypertensive??/  
53..tuberculin test ..positive..??? ?  
54.incidence prevalance??  
55.occupational exposure has no effect on cancer..odd one select karna tha

56.obsessive compulsive disorder  
57.primordial prevention

7.kawashiker

10.diphtheria ..immune  
15.specificty 95%

19.lead..rbc stippling

24.ascaris...gu t wala

28.ordinal data

32.2 persons aslam aur khalida wala

35.smoking quit mein drive of person to quit  
38.handicap  
40.nutritive aata tha 1 mein

36.TT1 1 month b4 delivery and 1 after  
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56.obsessive compulsive disorder

57.primordial prevention

# 4 year C-MED key 2011

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- 1- prmry preventn  
 2- Long term variations in process of disease is categorized: secular trend  
 3- cohort  
 4- nutritnal  
 5- I think it was patient who walk barefoot and presented wid anemia....ancylostma  
 6- A boy presented with intestinal obstruction and on laprotomy worms filling intestine....ascariasis  
 7- specificity 95% 8- vital idx one 9- hyprtnsn  
 10- A mother gave birth to a term infant with cataract, cyanosis and IUGR....rubela  
 11- A child in balochistan having ulcer with ring borders on his forearm. which organism is responsible... phlebotms flyy  
 12- A person working in sandblasting industry presents with shortness of breath and C-XRAY showed egg shell calcification silicosis  
 13- A mother came to you on 8th month of gestation, not previously immunized against tetnaus what should be done.. Tetanus toxoid now and then Tetanus immune globulin to child at birth  
 15- In a research study, a scientist is collecting data from AIDS patient regarding theri sexual and personal life. which sampling technique is applied..  
 Snowball sampling  
 16- Tuberculin test was performed on a forearm of a boy and it showed an induration of 6mm after PPD. what does it indicates.. Doubtful test  
 17- shck tst carier 18- hepatits b imune 19- streptomycin 20- measls  
 21- chld labour 15 yrz  
 22- A school girl constantly scratches her posterior hair line.. diagnosis? pedicullosis  
 23- Tiers of community wala kuch tha... galat howa tha mera..3 tierz  
 24- A 4th year medical student goes to cenima for film show. he comes back and checks whether his door is locked or not then again goes and again comes back diagnosis? obs compulsv disord  
 25- disability 26- habit  
 27- Drug used for prophylaxis of meningococcial meningitis... Rifampin  
 28- caloric requirement during pregnancy.. 400-550  
 29- thrboplastn 30- 3 vst  
 31- a woman has BMI of 27.. which category she belongs to? ... Pre-obese  
 32- A house has 2 rooms and 5 persons and an infant, how many more persons can it accomodate? 1  
 33- A school health service programme has been introduced which includes personal hygiene, sports etc etc... which additional thing is required for proper services ? Dental health  
 34- Senario was given with contents like coliform, flouride content etc etc.. ans was flourosis  
 35- A man is working in shipyard factory with exposure to asbestos . If exposure to this agent is reduced, from which consequence he can't be spared of? ans was CANCER ( coz carcinogenesis start ho jaye to usy reverse nai kia ja skta , bagi sb reverse hojata hai)  
 36- agr kisi chronic disease k lea drug bana di jaye which would reduce the mortality without affecting the pathogenesis what would happen? incidnc remains same but prevlnc incre  
 37- Malaria parasite in mosquito follows which of the following biological transmission? Cyclo-propagative (Park 20th edition page: 93)  
 38- a person working in hot sun will probably suffer from? heat stroke  
 39- evauatn ov dead  
 40- contraindication of IUCD? Nulliparous woman 41- bck  
 42- Disease may be classified as mild, moderate or severe. this is a type of? ordinal data  
 43- simple question tha yad nai arha.... late expandng  
 44- governemnt has provided handpumps in a village to every person. which principle of primary health is being followed? equity  
 45- a child has edema and loss of subcutaneous fat and wasting of muscle mass. diagnosis? marasmokwashikor  
 46- Peron working in storage battery factory with constipation and shortness of breath. blue black line on gums was noted. diagnosis? Lead poisoning  
 47- increas O<sub>2</sub> 48- vit k  
 49- which of the following is the satisfactory means of disposing excreta and liquid wastes from small groups of houses and institutions which have adequate water supplies but do not have access to public sewerage system? SEPTIC TANK (Park 20 ed page: 665) 50- neonatal  
 51- Best indicator to assess degree of malnutrition? Weight for age  
 52- Best effort to decrease the smoking? Own effort of smoker  
 53- A fat lady is inspired to reduce weight by exercise. which principle is being followed? motivation 54- chd  
 55- alcohol 56- roentgn 57- shinglz 58- sophistctn 59- suportv  
 60- which of the following is the most efftive way to control silicosis? Vigorous dust cntrol (Park 20 ed page: 711)  
 62- Population doubling time calculate krna....doublng tim 47

# 4 YEAR ORIGINAL C-MED MCQ 2012

- Q.41** What the people want themselves is an Example of:  
 a) Community needs  
 b) Social needs  
 c) Formative needs  
 d) Normative needs  
 e) Felt needs
- Q.42** The Iceberg phenomenon of disease is also called:  
 a) Natural history of disease  
 b) Biological spectrum of disease  
 c) Disease Surveillance  
 d) Ecological triad  
 e) Epidemiology of disease
- Q.43** By calculating Secondary Attack rate, the investigator refers to:  
 a) Complexity of disease  
 b) Fatality of disease  
 c) Communicability of disease  
 d) Disability of disease  
 e) Severity of disease
- Q.44** If an investigator calculates the number of people who became ill after eating a certain food item out of the total number of people who ate that food at a restaurant on a particular day, he is in fact determining the:  
 a) Prevalence rate  
 b) Attack rate  
 c) Case-fatality rate  
 d) Incidence rate  
 e) Secondary attack rate
- Q.45** Endemic means that a disease:  
 a) Occurs clearly in excess of the normal occurrence  
 b) Exhibits a seasonal pattern  
 c) Is prevalent among animals  
 d) Is always present in the human population  
 e) Affects a large number of countries simultaneously
- Q.46** Which of the following is the characteristic of a vehicle single exposure epidemic?  
 a) A large number of secondary cases  
 b) Cases include both exposed and non-exposed people  
 c) Increased severity with increasing dose  
 d) On vehicle single exposure epidemic  
 e) Explosive  
 f) None of the above
- Q.47** In the study of an investigation, the following information is collected. Using this information, drawing an Epidemic time curve is useful because:  
 a) It helps determine the type of the epidemic  
 b) It shows whether Herd immunity has occurred  
 c) It helps determine the Median Incubation period  
 d) a and b  
 e) b and c  
 f) a, b and c
- Q.48** When a physician asks a patient "Do you currently have Asthma?" he is talking about:  
 a) Point prevalence  
 b) Cumulative Incidence  
 c) Period prevalence  
 d) b and c  
 e) None of the above
- Q.49** When an investigator determines the percentage of people who die with a certain disease within a certain time after diagnosis, he is calculating:  
 a) Disease specific mortality rate  
 b) Attack rate  
 c) Case-fatality rate  
 d) Proportionate mortality rate  
 e) Time specific mortality rate
- Q.50** When the proportion of non-diseased people correctly identified as "Negative" by the screening test is categorized, it is called:  
 a) Specificity of the test  
 b) Positive Predictive value  
 c) Sensitivity of the test  
 d) Negative Predictive value  
 e) False positive error rate
- Q.51** Assume a population of 100,000 people of whom 20 are sick with hepatitis B. In one year 20 die from the disease. The case-fatality rate would be:  
 a) 00%  
 b) 90%  
 c) 50%  
 d) 60%  
 e) 20%
- Q.52** In a clinical setting, if a physician after seeing the test result of a patient says "If the test result is positive in this patient, then what is the probability that this patient actually has the disease?" He wants to know:  
 a) False Positive error rate  
 b) Prevalence of the disease  
 c) False Negative error rate  
 d) Positive Predictive value  
 e) Negative Predictive value

**Q.31** Health is the basic right of a citizen of a state. Therefore, health care services must be staffed, organised, administered and financed in every imaginable way. Which one of the following is not the characteristic of good health care services:

- a) Adequacy
- b) Sophistication
- c) Comprehensiveness
- d) Availability
- e) Accessibility

**Q.32** Government of Pakistan has setup a huge health system. This Public Health System in Pakistan is working on which one of the following tier system:

- a) Three tiers
- b) One tier
- c) Two tiers
- d) Four tiers
- e) Five tiers

**Q.33** Medical officers working in rural areas of Pakistan are being trained to help the community into action, which is partly trained in home remedies of diarrhoea. This leadership role of the medical officers would be categorised as:

- a) Supporting
- b) Delegating
- c) Coaching
- d) Directing
- e) Leading

**Q.34** There is an epidemic of pyogenic meningitis among army soldiers of a unit. The best chemoprophylactic agent for the protection of contacts will be:

- a) Chloramphenicol
- b) Cephalosporins
- c) Doxycyclin
- d) Penicillin
- e) Rifampicin

**Q.35** A cohort study revealed a strong association between smoking and liver cirrhosis. The researcher then divided this cohort into two groups i.e. alcohol consumers and non-consumers. Subsequent analysis did not reveal any association between smoking and liver cirrhosis with either group. The given situation is an example of:

- a) Selection bias
- b) Observers bias
- c) Recall bias
- d) Confounding
- e) Measurement bias

**Q.36** A new multidrug chemotherapy regimen significantly prolongs the survival rate in patients with lung cancer. After implementation of this new regimen what changes in the incidence and prevalence of lung cancer would you expect:

- a) Incidence and prevalence both will decrease
- b) Incidence will not change but prevalence will increase
- c) Incidence will increase but no increase in prevalence
- d) No change both in incidence and prevalence
- e) Incidence will decrease but prevalence will increase

**Q.37** The following results were obtained after testing a screening test versus a gold standard:

Sr.#	Histology	Screening test		
		Test +ve	Test -ve	Total
1.	+ve	40	10	50
2.	-ve	50	900	950
	Total	90	910	1000

The specificity of screening test is approximately:

- a) 85 %
- b) 75 %
- c) 55 %
- d) 95 %
- e) 45 %

**Q.38** The trend of mortality from pulmonary tuberculosis in England showed a steady fall till 1965 but after that, there was gradual rise in incidence of T.B. This type of time trend or fluctuation is named as:

- a) Secular trend
- b) Cyclic trend
- c) Epidemic trend
- d) Seasonal trend
- e) Pandemic trend

**Q.39** A factor is suspected to be associated with causation of multiple diseases. A researcher is interested to conduct a study to accept or refute the hypothesis. Which type of study would you recommend:

- a) Cross-sectional
- b) Cohort
- c) Case-control
- d) Experimental
- e) Quasi-experimental

# 4 YEAR ORIGINAL C-MED MCQ 2012

- Q.53 Recommended daily additional energy requirement of a lactating mother is:  
a) 100-250 K cal per day  
b) 400- 550 K cal per day  
c) 500- 650 K cal per day  
d) 200- 350 K cal per day  
e) 300- 450 K cal per day
- Q.54 Levels of Disease Prevention include all except:  
a) Disability Limitation  
b) Rehabilitation  
c) Health protection  
d) Specific protection  
e) Early diagnosis and prompt treatment
- Q.55 Following are the Principles of primary health care:  
a) Community participation  
b) Multi-sectoral collaboration  
c) Non-governance  
d) a and b  
e) a, b and c
- Q.56 Water fluoridation is an example of:  
a) A primordial prevention  
b) It is not a preventive strategy  
c) A primary preventive strategy  
d) A secondary preventive strategy  
e) A tertiary preventive strategy
- Q.57 During the 19th century, John Snow:  
a) Hypothesized that Cholera is mainly due to malnutrition  
b) Was the first to develop vaccine against Small pox  
c) Proved his miasmatic theory of disease  
d) Proved that Cholera is spread through contaminated water  
e) Was the first to use chloroform on a woman in labour
- Q.58 A researcher is interested in recording the number of individuals suffering from common cold in a particular geographic region at a particular point in time. The most appropriate measure of morbidity would be:  
a) Attack rate  
b) Cumulative Incidence  
c) Incidence density  
d) Prevalence  
e) Point prevalence
- Q.59 A researcher is interested in knowing how many students drop out of a primary education school during October to December. The most appropriate measure of morbidity is:  
a) Incidence density  
b) Point prevalence  
c) Attack rate  
d) Secondary attack rate  
e) Primary attack rate
- Q.60 Which of these is not a principle of screening for disease control:  
a) The disease can lead to complications or disability if not detected early  
b) Prevalence of disease must be high in the population under study  
c) The screening program should be funded by the government  
d) The disease must be severe  
e) There should be a favourable prognosis after early detection and treatment
- Q.61 It is assumed that a disease can either be transmitted directly or indirectly. A vector such as mosquito is an example of:  
a) direct transmission of disease  
b) common vehicle exposure  
c) multiple source transmission  
d) indirect transmission of disease  
e) single exposure
- Q.62 The resistance of a population to an attack of disease to which a large portion of its members are immune is called:  
a) Immunogenesis  
b) Group immunity  
c) Ring immunity  
d) Panum effect  
e) Herd immunity
- Q.63 The rate of disease in susceptible people who have been exposed to a primary case is referred as:  
a) Post primary attack rate  
b) Person to person attack rate  
c) Primary attack rate  
d) Population Attack rate  
e) Secondary attack rate
- Q.64 The body's primary source of Energy is:  
a) Glucose  
b) Galactose  
c) Fructose  
d) Maltose  
e) Glycogen
- Q.65 Dietary fibre that serves as a body's regulatory agent is a:  
a) Mineral  
b) Vitamin  
c) Proteins  
d) Fats  
e) Carbohydrate

# 4 YEAR ORIGINAL C-MED MCQ 2012

- Q.40 A 10 years old child was tested for diphtheria status. His throat swab was taken and sent for culture. Schick test was performed. Final results were that his throat culture was negative for corynebacterium diphtheriae. While his schick test was strongly positive. On the basis of these results he is:
- a) Case of diphtheria
  - b) Partially treated case of diphtheria
  - c) Immune to diphtheria
  - d) Carrier of diphtheria
  - e) Susceptible to diphtheria
- Q.41 A surgeon while performing surgery had a prick from Hepatitis B carrier patient. Unluckily surgeon was susceptible to HBV infection. About one year after prick, he got his serum tested for all HBV markers. Result revealed that he was positive for anti-HBC and anti-HBs. What is your interpretation:
- a) He is susceptible
  - b) He is immune
  - c) He is carrier
  - d) He is partially treated cases
  - e) He is running active course of disease
- Q.42 An adult weighing 70 Kg and having height of 1.5 m has BMI of about 28. According to WHO standard classification of adults on the basis of BMI, he is:
- a) Under weight
  - b) Normal weight
  - c) Over weight
  - d) Obese
  - e) Pre-obese
- Q.43 During a routine check up of a 50 years old person weighing 75 Kgs, his serum cholesterol level was found to be 255 mg/100ml and he was also hypertensive. The risk factor for this particular condition is:
- a) Physical
  - b) Biological
  - c) Mechanical
  - d) Chemical
  - e) Nutritive
- Q.44 A veterinary surgeon is interested to get himself vaccinated pre-exposurely against rabies. He should be given preferably the cell cultured vaccine according to one of the following schedules:
- a) Day 0, 3, 7, 28
  - b) Day 0, 3, 7, 21
  - c) Day 0, 7, 28
  - d) Day 0, 3, 7, 21, 28
  - e) Day 0, 3, 7, 21, 28, 90
- Q.45 In a village two pregnant ladies in 1<sup>st</sup> trimester of pregnancy who live in the same house, using iron preparations developed mild fever and rash and recovered after few days uneventfully. One of these two ladies aborted at 18 weeks and other completed the pregnancy and gave birth to a baby with heart anomalies, congenital cataract and deafness. The likely disease, these two women suffered from was:
- a) Rubella
  - b) Rubeola
  - c) Chicken pox
  - d) Drug reaction
  - e) Typhoid
- Q.46 A boy 8 years old was tested with tuberculin intradermally. After 72 hours his induration was 6 mm in diameter. How will you interpret this test:
- a) Negative
  - b) Positive
  - c) Strongly positive
  - d) Strongly negative
  - e) Doubtful
- Q.47 A 25 years old person reported with painful, vesicular and pustular eruptions in the distribution of sensory nerve roots on his back. He had history of suffering from chicken pox 10 year back. What probable diagnosis would be:
- a) Measles
  - b) Chicken pox
  - c) Scarlet fever
  - d) Herpes simplex
  - e) Shingles
- Q.48 Birth record of obstetric ward of a hospital for one month showed that; 40 newborns were under weight, 85 newborns were normal weight and 25 newborns were over weight:  
The chosen type of variable is:
- a) Ordinal
  - b) Nominal
  - c) Discrete
  - d) Continuous
  - e) Dichotomous
- Q.49 Blood pressure of 150 doctors was recorded. The mean BP was found to be 127 mmHg (systolic). The standard deviation was calculated to be 6 mmHg. If blood pressure is normally distributed, then how many doctors will have systolic blood pressure above 133 mmHg:
- a) 24
  - b) 12
  - c) 48
  - d) 96
  - e) 144

# 4 YEAR ORIGINAL C-MED MCQ 2012

- Q.50** A researcher is interested to find out the frequency of HIV positivity among I/V drug abusers in a city 'A'. Which type of sampling technique should be adopted:  
a) Simple random sampling  
b) Cluster sampling  
c) Systematic random sampling  
d) Quota sampling  
e) Snow-ball sampling
- Q.51** Two groups of patients A & B, 100 each undergoing surgery were given antibiotics x & y respectively to prevent post-operative infection. After follow up, the number who developed infection in group 'A' was 20 while 6 in group 'B'. Which test of significance would you suggest for such type of data?  
a) Chi-square test  
b) Correlation analysis  
c) F-test  
d) Regression analysis  
e) Student's t test
- Q.52** An over-weight lady was advised by a doctor to reduce her weight. Doctor told her that she was attractive but would be more smart and attractive if she reduced her weight about 20 lbs. Which principle of health education was used by the doctor?  
a) Interest  
b) Participation  
c) Motivation  
d) Comprehension  
e) Re-inforcement
- Q.53** A country is having crude birth rate of 23/100 and crude death rate of 6/1000 mid year population. Which stage of demographic transition it is running in:  
a) Late expanding  
b) High stationary  
c) Early expanding  
d) Low stationary  
e) Declining
- Q.54** In a country 'X' the total births are equal to total deaths per annum. The vital index of that country will be:  
a) 1.0  
b) 0.5  
c) 1.5  
d) 2.0  
e) 2.5
- Q.55** If annual population growth rate of Pakistan is taken as 1.5%, then what will be the population doubling time:  
a) 47 years approximately  
b) 29 years approximately  
c) 38 years approximately  
d) 56 years approximately  
e) 65 years approximately
- Q.56** A child two year old reported to you with bleeding from injury while playing with his toys. On enquiry, his parents told that he was not on prolonged antibiotic therapy due to repeated respiratory infections. Which micro nutrient deficiency is causing the problem?  
a) Calcium  
b) Iron  
c) Vitamin B<sub>12</sub>  
d) Vitamin K  
e) Vitamin C
- Q.57** An educated lady who was nursing her newborn of four months age reports to you and enquires about the additional caloric requirement/day. How much increase will you recommend:  
a) 400 Kcal  
b) 450 Kcal  
c) 500 Kcal  
d) 600 Kcal  
e) 550 Kcal
- Q.58** A child of four years age born normal, reports to you from Gilgit area. On examination, his development is noted to be slow, hearing and speech defects, unilateral squint was present. Muscular spasticity was also demonstrated. What is likely disorder?  
a) Any congenital defect  
b) Lead poisoning disorder  
c) Thiamine deficiency disorder  
d) Iodine deficiency disorder  
e) Zinc deficiency disorder
- Q.59** Linoleic acid an essential fatty acid is abundantly found in vegetable oils. Which one of the following vegetable oils is the richest source of linoleic acid?  
a) Safflower oil  
b) Corn oil  
c) Sunflower oil  
d) Soyabean oil  
e) Sesame oil
- Q.60** A child 02 years of age coming from a poor large family household presents with muscle wasting, loss of sub cutaneous fat with signs of oedema and weight below 60% of WHO standard. What is likely diagnosis?  
a) Thiamine deficiency  
b) Marasmic kwashiorkor  
c) Marasmus  
d) Kwashiorkor  
e) Pyridoxine deficiency

## 4 YEAR ORIGINAL C-MED MCQ 2012

- Q.61 A man, who had been working in a ship breaking industry for the last ten years, presents with irritant cough, dyspnoea on exertion and chest pain. His total lung capacity is impaired and chest x-rays shows snow-storm appearance in the lung fields. What is your most probable diagnosis:  
a) Silicosis  
b) Asbestosis  
c) Anthracosis  
d) Bagassosis  
e) Byssinosis
- Q.62 A group of workers underwent complete blood examination on annual medical check up. 70% of them showed stippling of RBCs. Which chemical is causing the problem:  
a) Lead  
b) Phosphorous  
c) Sulphur  
d) Mercury  
e) Cadmium
- Q.63 Which one of the following is not true regarding occupational cancers:  
a) Appear after prolonged exposure  
b) Cancer does not develop after cessation of exposure  
c) Period between exposure and development of cancer may be 10 to 25 years  
d) Average age incidence is earlier than that of cancers in general population  
e) Localisation of the tumours is remarkably constant in any one occupation
- Q.64 In a glass factory some workers have developed silicosis, you being medical officer employed. What measures would you recommend to prevent this problem:  
a) Pre-placement examination  
b) Personal hygiene  
c) Periodic x-rays (chest)  
d) Rigorous dust control  
e) Substitution
- Q.65 The results of a 100ml sample of drinking water as follows:  

Coliform organisms	negative/100ml
E. coli organism	negative/100ml
Fluoride	5 ppm
Cysts & ova	ova +ve

  
Which disease is most likely to develop in the users of that area?  
a) Fluorosis  
b) Caries (Dental)  
c) Ascariasis  
d) Ankylostomiasis  
e) Schistosomiasis



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## Community Medicine (SEQs)

Max. Marks 70

Time Allowed, 2 hours

**Attempt all questions.**

1. a) Draw and label the 'Epidemiological triad'. 02  
b) Apply the concept of epidemiological triad on the disease 'Measles'. 03
2. a) Show the basic structure of a Case-Control study in a 2x2 table. 02  
b) What is the measure of Association in the Case-Control study? 01  
c) How it is calculated? 01  
d) If the measure of association is five, how it is interpreted? 01
3. A twelve year old boy is brought to the Accident and Emergency department of a hospital with multiple lacerations on limbs after being involved in a road traffic accident. The father gave history of complete primary immunization through Expanded Program on Immunization (EPI).  
a) What vaccination is missing? 02  
b) How would you manage this case as a junior doctor? 03
4. A thirty year old primigravida in her first trimester of pregnancy comes to your Community Health Center for antenatal check-up and advice.  
a) What general and systematic examination will you perform? 01  
b) What investigations will you do? 02  
c) What nutritional advice will you give? 02
5. a) What are the five routes of Faecal-oral transmission of disease? 2.5  
b) Apply the above five to control Typhoid (enteric fever) in a household? 2.5
6. Pakistan faced the worst floods in its history in July 2010. The human death toll was more than 1000 with extensive damage to houses and livestock. As a member of disaster management team make a disaster management plan to deal with such calamity in future. 05
7. A patient with uncontrolled Diabetes Mellitus had to undergo below knee amputation due to gangrene of his right foot. As a junior doctor what specific health education advise and counselling you will offer before his discharge from the hospital. 05
  - a) Demography deals with five demographic processes. Name them? 2.5
  - b) What are the implications of high population growth? 2.5

(Continued Overleaf)



Attempt all questions.

1.

H/o Taking coffee	Myocardial infarction	
	present	Absent
Yes	60	90
No	90	60

See above table 2X2:-

- a) Calculate odds ratio.  
b) How will you interpret the result?

02  
03

2.

In a study to determine the failure rate of condom as contraceptive, 30 couples were observed for 3 years, 40 for 2 years, 10 for 1½ years and 30 couples for 6 months. During observation period conception took place in 20 couples.

- a) Name "denominator" to be used to calculate the failure rate.  
b) Calculate failure rate of condom as contraceptive.

03  
02

3.

A person travelling from Africa landed at Karachi Airport. His international vaccination certificate indicates that he had received vaccine against yellow fever two days back.

- a) Will you put him under quarantine?  
b) Justify your answer.

02  
03

4.

To conduct a study in a city, the population was 1<sup>st</sup> divided into different ethnic groups and then sample was taken from each group on proportionate basis.

- a) Name sampling technique used in above study.  
b) Name any three non-probability sampling techniques.

02  
03

5.

A passenger was travelling from Rawalpindi to Lahore. He stops at Chakri resort and buys a tin of preserved food. He checks its expiry but it is still within valid period. At the time of opening, he noticed that coverings on both sides of tin are bulging.

- a) Should he use that food?  
b) Justify your answer.

02  
03

6.

The 20<sup>th</sup> century has been declared as "century of noise". Noise is resulting in many ill effects on health.

Suggest measures to control this menace.

05

7.

A four months pregnant lady reported 1<sup>st</sup> time for ante-natal care in a Rural Health Centre.

- a) What essential laboratory investigations are to be done at first visit?  
b) What is the schedule of ante-natal visits for the remaining period of pregnancy?

03  
02

# 4 YEAR ORIGINAL C-MED MCQ 2012

- 3  
9. a) What are the health problems of the ageing population in Pakistan? 2.5  
b) What preventive measures will you take to deal with such problems? 2.5
10. a) What do you understand by the term 'Iodine Deficiency Disorders'? 02  
b) What are the different strategies to prevent Iodine deficiency nationwide? 03
11. a) What are the different ways of reducing noise on human body? 02  
b) What measures would you take to control noise pollution in cities? 03
12. a) What are mosquito repellents (e.g. coils, coils)? 03  
b) How this knowledge can be used to prevent mosquito bites? 02
13. A worker in a stone cutting factory came to the outpatient department of a hospital complaining of colicky abdominal pain, constipation and loss of appetite. On examination a blue line on gums was visible and examination showed anaemia and stippling of RBCs. 01  
a) What is the likely diagnosis?  
b) As an occupational health officer what preventive strategies will you suggest to the management to prevent such cases in future? 04
14. a) What is the difference between data and information? 01  
b) What are different ways of graphically presenting quantitative data? 04

# 4 YEAR ORIGINAL C-MED MCQ 2012

8. Public health engineering Department team visited a village where they were interested to construct latrines to prevent open defecation practice but were facing the problem of shortage of funds. After discussion, the people of the village offered all types of help and resources.
- a) Which principle of Primary Health Care (PHC) is operative in above scenario? 01
- b) Write briefly three other principles of PHC with examples. 04
9. A worker aged 45 working in cardboard industry for the last 17 years complains of dyspnoea, irritating cough, haemoptysis and slight fever. Total lung capacity was tested to be impaired. Chest x-rays showed mottling in the lungs.
- a) What is the most probable diagnosis? 02
- b) How can you prevent this condition in other colleagues' workers? 03
10. In a village with 50,000 population, total annual births are recorded to be 3,000. While total deaths are 1,000. Total infant deaths are 200 in that year. (No migration took place during this year).
- a) Calculate the annual population growth rate % (taking migration as zero) and vital index. 02
- b) Interpret your results. 03
11. School children inspection revealed that most of the students were having decaying teeth. On water analysis fluoride level was found to be 0.2 mg/L.
- a) Name the problem in children. 01
- b) What measures you feel necessary to overcome this problem? 03
- c) Name what mode of prevention it will be? 01
12. Recently a violent storm struck Japan resulting in mass destruction of all types.
- a) What type of disaster was it? 01
- b) What is meant by "Triage"? 04
13. In Pakistan addiction is increasing at alarming rate.
- a) Name four common substances used by these addicts. 02
- b) Name at least six factors leading to addiction. 03
14. A farmer reports to you with breathing difficulty following a snake bite.
- a) Which type of snake comes in your mind? 01
- b) Outline the steps of its management? 04

## MBBS THIRD PROFESSIONAL

Community Medicine

Signature of Candidate

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Roll No.

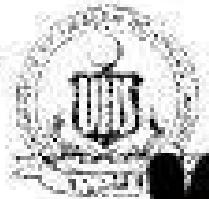
Total Marks: 65

Time Allowed: 1 hour and 5 minutes

MCQ Paper ID M T C A 1 0 5 4 3 7 9

- Instructions:**
- Read the instructions on the MCQ Response Form carefully.
  - Attempt **all** questions.
  - Question Paper to be returned along with MCQ Response Form.
  - Candidates are strictly prohibited to give any identification mark except Roll No. & Signature in the specified columns only.

- Q.1** Obesity and overweight are the major risk factors for:  
 a) Colon cancer  
 b) Thyroid cancer  
 c) Acid peptic disease  
 d) Bronchial Asthma  
 e) Diabetes
- Q.2** This carbohydrate is a vital emergency fuel for the heart:  
 a) Glucose  
 b) Fructose  
 c) Glycogen  
 d) Galactose  
 e) Sucrose
- Q.3** Active Immunization against Tetanus can be done by:  
 a) Hyper immune human globulins  
 b) Tetanus Toxoid  
 c) Tetanus Immunoglobulins  
 d) Tetanus anti toxin  
 e) Anti Tetanus serum
- Q.4** Hepatitis A is mainly transmitted by:  
 a) Sexual activity  
 b) Contaminated needle  
 c) Contaminated water  
 d) Mosquito bite  
 e) Skin contact
- Q.5** Anti sera are available for the following diseases:  
 a) Rabies  
 b) Mumps  
 c) Gas gangrene  
 d) Botulism  
 e) Rabies
- Q.6** Transfer of Maternal antibodies:  
 a) Person to person immunization  
 b) Active Immunization  
 c) Passive Immunization  
 d) Mode of transmission  
 e) Direct Immunization  
 f) Indirect Immunization
- Q.7** Under EPI, vaccination against poliomyelitis provide the following total number of doses given one month apart:  
 a) 5  
 b) 4  
 c) 1  
 d) 2  
 e) 3
- Q.8** Simultaneous active-passive Immunization can be done against the following diseases except:  
 a) Hepatitis B  
 b) Tetanus  
 c) Measles  
 d) Poliomyelitis  
 e) Rabies
- Q.9** Socio-economic status (poor, middle class, upper class) is an Example of:  
 a) Nominal variable  
 b) Numerical variable  
 c) Binary variable  
 d) Ordinal variable  
 e) Discrete variable
- Q.10** In medical statistics the P value is set at:  
 a)  $P < 1.00$   
 b)  $P < 0.01$   
 c)  $P < 0.05$   
 d)  $P < 0.5$   
 e)  $P < 1.5$
- Q.11** The mode of the following data is (2,3,5,2,7,2,9,4,3):  
 a) 4  
 b) 5  
 c) 1  
 d) 2  
 e) 3
- Q.12** The probability of making type I or alpha error is called:  
 a) Chi-square value  
 b) Odds ratio  
 c) Standard error  
 d) Sampling error  
 e) P-value



**4 YEAR ORIGINAL C-MED MCQ 2012**  
**MBBS THIRD PROFESSIONAL**

Pages /

Community Medicine

Signature of Candidate

**www.pakmedicalworld.com**

Total Marks: 65

Time Allowed: 1 hour and 5 minutes

MCQ Paper ID: F | C | C | A | 1 | 1 | 5 | 8 | 7 | 6 | 9 | 2

- Instructions:**
- Read the instructions on the MCQ Response Form carefully.
  - Attempt *all* questions.
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- Q.1** A family of seven persons with moderate income is residing in an area where sufficient water supply is available but access to sewerage line is not available. What excreta disposal system will you suggest for them?  
 a) Bore hole latrine  
 b) Aqua privy  
 c) Septic tank  
 d) Conservancy system  
 e) Open field disposal.
- Q.2** The amount of radiation absorbed in air at a given point i.e. number of ions produced in 1 ml of air is named as:  
 a) Rad  
 b) Rem  
 c) Curie  
 d) Becquerel  
 e) Roentgen
- Q.3** Aslam 29 years old, Akram 32 years old, Khalida aged 20 years are residing in a house with a kid of six months. The house comprises of three well-ventilated rooms. How many more persons can reside in this house?  
 a) 2  
 b) 3  
 c) 1  
 d) 4  
 e) 5
- Q.4** During the month of August, a farmer is brought to hospital with high grade fever 110 °F, delirium, convulsions and loss of consciousness. Most probably he is suffering from:  
 a) Heat syncope  
 b) Heat exhaustion  
 c) Heat stroke  
 d) Heat cramps  
 e) Heat hyperpyrexia
- Q.5** 4<sup>th</sup> year MBBS class students about 320 were attending their lecture in a lecture theatre actually made for 250 students and without proper ventilation. After sometime they started feeling uncomfortable and suffocated. The main reason may be:  
 a) Less oxygen  
 b) More sweating  
 c) Biological pollution  
 d) Raised temperature and humidity  
 e) Increased carbon dioxide
- Q.6** A 4<sup>th</sup> year MBBS student living in a cubical of a hostel locked his room and went to cinema hall. He was watching movie, suddenly he developed the thought that he had not locked his room before leaving for cinema. He tried his best to satisfy himself, but failed and became restless and lost interest in movie. Finally he had to leave the cinema and went back to check the room which was locked. He was also inhabit of washing hands very frequently. What is most probable disorder?  
 a) Paranoia  
 b) Obsessive compulsive neurosis  
 c) Manic depressive psychosis  
 d) Schizophrenia  
 e) Insanity
- Q.7** A 43 years old farmer who works in his fields bare-footed and is in habit of field squatting, reports to you with dyspnoea, fatigue, loss of sleep, generalised aches and pains. His Hb % level is 6.5 gm/dl. What is likely diagnosis?  
 a) Ankylostomiasis  
 b) Ascariasis  
 c) Amoebiasis  
 d) Hydatid disease  
 e) Enterobiasis
- Q.8** A boy from rural area aged 7 years was operated for intestinal obstruction. During surgery it was revealed that gut was obstructed at ileocaecal junction due to worms. Which worm probably have caused this problem?  
 a) Strongyloides stercoralis  
 b) Enterobius vermicularis  
 c) Dracunculus medinensis  
 d) Ascaris lumbricoides  
 e) Ankylostoma duodenale

- Q.13** To achieve replacement level of population growth the CPR in eligible couples should be:  
 a) 80 %  
 b) 100 %  
 c) 20 %  
 d) 40 %  
 e) 60 %
- Q.14** Pelvic Inflammatory disease is an absolute contraindication for:  
 a) Tubal ligation  
 b) Injection of hormones  
 c) Use of oral contraceptive pills  
 d) Use of condom  
 e) Insertion of IUCD (Intra-uterine Contraceptive Device)
- Q.15** For a lactating mother, the following contraceptive methods can be used except:  
 a) Injectable hormones  
 b) Diaphragm  
 c) OCP(Oral Contraceptive Pill)  
 d) IUCD(Intra-Uterine Contraceptive Device)  
 e) Condom
- Q.16** Several studies have found that 85% of cases of Lung cancer are due to cigarette smoking. This measure is an example of:  
 a) Proportionate mortality ratio  
 b) Incidence rate  
 c) Attributable risk  
 d) Relative risk  
 e) None of the above
- Q.17** A Case-Control study has following characters:  
 a) It is inexpensive compared with other research designs  
 b) Cases with the disease are compared to controls without disease  
 c) Incidence rates can be computed directly  
 d) a and b  
 e, b and c
- Q.18** In a study begun in 1970, a group of women were asked about cigarette smoking. The occurrence of smoking was assessed at various times between 1980 and 1990. This is an example of:  
 a) Clinical trial  
 b) Case-Control study  
 c) Cross-sectional study  
 d) Prospective cohort study  
 e) Retrospective cohort study
- Q.19** Following are the attributes of a clinical trial:  
 a) Comparison  
 b) Randomization  
 c) Elimination  
 d) a and b  
 e) a, b and c
- Q.20** Recall Bias is a disadvantage of:  
 a) Experimental study design  
 b) Correlation study design  
 c) Cross-sectional study design  
 d) Case-Control study design  
 e) Cohort study design
- Q.21** In a Cohort study, the advantage of starting by selecting a defined population for study before any of its members become exposed is:  
 a) A number of outcomes can be studied simultaneously  
 b) The study can be completed very rapidly  
 c) The study is cheaper to carry out  
 d) There are less losses to follow-up  
 e) a and b
- Q.22** The purpose of a double-blind clinical trial is to:  
 a) Achieve comparability of treated and untreated subjects  
 b) Avoid observer and subject bias  
 c) Reduce the effects of sampling variation  
 d) Avoid observer bias and sampling variation  
 e) None of the above
- Q.23** While calculating Standardized Mortality ratio, the numerator would consist of:  
 a) Extrapolated number of deaths per year  
 b) Expected number of deaths per year  
 c) Observed number of deaths per year  
 d) Total number of deaths per year  
 e) None of the above
- Q.24** Probability sampling techniques are:  
 a) Simple random sampling  
 b) Quota sampling  
 c) Stratified sampling  
 d) a and b  
 e) a and c
- Q.25** In Maternal Mortality rate, the denominator consists of:  
 a) Total number of pregnant women at specified place and time  
 b) Total number of women in the age group 15-49 years  
 c) Total number of live births at specified place and time  
 d) Total number of women at specified place and time  
 e) None of the above

# 4 YEAR ORIGINAL C-MED MCQ 2012

- Q.9 During inspection of school, the school medical officer noticed that students are using plus desks. What should he tell to the head master, that upon use of such desks for a longer period may result in students, the problems of:  
a) Elbows  
b) Knees  
c) Back  
d) Shoulders  
e) Heels
- Q.10 A teacher noticed a student scratching intensely his scalp and on the back of ears as well, during the class. What problem the student may have:  
a) Allergy  
b) Pediculosis  
c) Ring worm infection  
d) Scabies  
e) Tick infestation
- Q.11 A school administration has provided health services including emergency services, mental health, health education and service for special children. Which essential health care service is still needed to be included:  
a) Dental health services  
b) Surgery services  
c) Domiciliary services  
d) Orthopaedic services  
e) Disaster control measures
- Q.12 A 10 years old boy reported to the hospital after snake bite. On examination, petechial haemorrhages were seen. Bleeding per rectum and gums was observed. The toxic substance in the snake venom was:  
a) Neurotoxin  
b) Cholinesterase  
c) Hyaluronidase  
d) Proteolysin  
e) Thromboplastin
- Q.13 A mother brings her three months old son for vaccination who is having cerebral palsy. Which one of the vaccines included in EPI schedule must be avoided in such child:  
a) DPT vaccine  
b) OPV  
c) Measles vaccine  
d) Hib vaccine  
e) DTG vaccine
- Q.14 A woman reports for vaccination against tetanus on 1st month before delivery for the 1<sup>st</sup> time to prevent tetanus infection, one should give:  
a) T.T. two doses two weeks apart  
b) Anti-tetanic immunoglobulin (ATIG) shot  
c) Antibiotics during delivery  
d) ATIG after delivery  
e) TT<sub>1</sub> at present and TT<sub>2</sub> after delivery
- Q.15 A patient presented with painful cutaneous ulcer on forearm. On enquiry it was revealed that ulcer started as a granular nodule after some insect bite when he was in Baluchistan. The symptoms indicate bite by:  
a) Xenopsylla cheopis  
b) Phlebotomus  
c) Black fly  
d) Glossinae palpalis  
e) Sarcopti scabii
- Q.16 Plague bacilli are transmitted through rat flea. This biological transmission is:  
a) Propagative  
b) Mechanical  
c) Cyclo-propagative  
d) Developmental  
e) Cyclo-developmental
- Q.17 Earthquake in Azad Kashmir in 2005 resulted in countless deaths and injuries. Several NGOs and Govt. institutions rushed to combat the immediate post-disaster phase. The main point they focussed on was:  
a) Provision of communication means  
b) Vaccination against infection diseases  
c) Provision of safe water and food  
d) Disposal of solid wastes  
e) Evacuation of dead bodies
- Q.18 Ideally a normal pregnant lady requires 12 ante-natal visits. Keeping in view the situation of Pakistani ladies, how much visits are advised:  
a) 5  
b) 3  
c) 4  
d) 6  
e) 7
- Q.19 In nulliparous females, the contra indicated method of contraception is:  
a) IUCDs  
b) Oral contraceptive pills  
c) Injectable depot preparation  
d) Barrier methods  
e) Rhythm method

# 4 YEAR ORIGINAL C-MED MCQ 2012

Q.26

Functions of disease surveillance are:

- a) Establishment of base-line data
- b) Investigations of Epidemics
- c) Testing hypothesis
- d) a and b
- e) a, b and c

Q.27

Health Promotion measures are:

- a) Health Education
- b) Environmental sanitation
- c) Vaccination
- d) a and b
- e) a and c

Q.28

In Biostatistics, when the first variable is contingent upon the second variable. The first variable is called:

- a) Definite variable
- b) Dependent variable
- c) Independent variable
- d) Predictor variable
- e) None of the above

Q.29

The best way to prevent dehydration in a child suffering from acute diarrhoea is to use:

- a) Antimotility drugs
- b) Oral rehydration solution
- c) Intravenous saline
- d) Antibiotic therapy
- e) Antispasmodic agents

Q.30

If the mother is HBsAg positive, at birth the neonate is vaccinated with:

- a) Not immunized against Hepatitis B
- b) Given antiviral therapy
- c) Hepatitis B vaccine
- d) Hepatitis B vaccine + HBIG
- e) HBIG

Q.31

If a vertical line drawn from the edge of the desk falls away from the edge of the seat, it is called

- a) Inclined desk
- b) Reclined desk
- c) Minus desk
- d) Plus desk
- e) Zero desk

Q.32

School-going children commonly suffer from the following disorders EXCEPT:

- a) Worm infestation
- b) Rheumatoid arthritis
- c) Refractive error of eye
- d) Headache and sore throat
- e) Stables

Q.33

The recommended minimum floor space per student in school should be:

- a) 35 sq feet
- b) 20 sq feet
- c) 15 sq feet
- d) 30 sq feet
- e) 25 sq feet

Q.34

In water chlorination, the recommended residual chlorine in water should be:

- a) 2 mg/l
- b) 2.5 mg/l
- c) 0.5 mg/l
- d) 1 mg/l
- e) 1.5 mg/l

Q.35

Contaminated needles and sharps are an example of:

- a) Recyclable hospital waste
- b) Non-recyclable hospital waste
- c) Hazardous hospital waste
- d) Non-hazardous hospital waste
- e) Special hospital waste

Q.36

Ergonomics is a :

- a) Branch of Anthropology
- b) It is the study of workers in relation to the working environments
- c) It is the study of Agricultural economics
- d) It is the study of Astrophysics
- e) It is a branch of Geology and Earth Sciences

Q.37

Occupational Cancers include the following except:

- a) Liver Cancer
- b) Ovarian Cancer
- c) Lung Cancer
- d) Skin Cancer
- e) Testicular cancer

Q.38

A farmer got ill after spraying his wheat crops with an insecticide. He was irritable, sweating, had increased salivation and urinary incontinence. The appropriate management would be to give:

- a) Morphine
- b) Purgative
- c) Anti-histamine
- d) barbiturates
- e) Atropine

Q.39

All are the Ethical Principles of Medical Research except:

- a) Confidentiality
- b) Non-maleficence
- c) Autonomy
- d) Altruism
- e) Beneficence

Q.40

Poly-valent antivenom serum should be given:

- a) Intramuscularly
- b) Subcutaneously
- c) Intravenously
- d) Intradermally
- e) None of the above

# 4 YEAR ORIGINAL C-MED MCQ 2012

- Q.20 A paediatrician wants to start anti-tubercular treatment in an established case of pulmonary T.B who is a boy of three years. Which one of the following drugs should not be included:  
a) Ethambutol  
b) Streptomycin  
c) Rifampicin  
d) INH  
e) Pyrazinamide
- Q.21 Use of oral contraceptive pills by a smoker woman above 35 years of age is most likely to be associated with increased risk of:  
a) Cervical cancer  
b) Breast carcinoma  
c) Chronic bronchitis  
d) Peripheral neuropathy  
e) Coronary heart disease
- Q.22 A baby died after 15<sup>th</sup> day of his birth due to congenital anomalies. This death will be categorised as:  
a) Perinatal  
b) Early neonatal  
c) Neonatal  
d) Late foetal  
e) Post neonatal
- Q.23 An educated mother reported to a well baby clinic with her 7<sup>th</sup> month old child. She was worried about growth of her precious child. The best single measure for assessing the physical growth in this age is:  
a) Height for age  
b) Weight for age  
c) Chest/head ratio  
d) Skin fold thickness  
e) Mid upper arm circumference
- Q.24 A child is said to be doing child labour when his age is less than:  
a) 12 years  
b) 15 years  
c) 17 years  
d) 18 years  
e) 10 years
- Q.25 A mother brings her 10 years old son to a psychiatrist. She complains that the boy starts feeling abdominal pain soon he reaches school and becomes alright when back. His academic record is satisfactory. This presentation is suggestive of:  
a) Mental retardation  
b) Habit disorder  
c) Psychomotor disorder  
d) Educational difficulties  
e) Juvenile delinquency
- Q.26 A 35 years old person presented with loss of weight and appetite. He also admitted his dependence on a substance. On examination, he had palmar erythema and ataxic gait. The likely abused substance is:  
a) Cocaine  
b) Barbiturates  
c) Heroin  
d) Tobacco  
e) Alcohol
- Q.27 The most important factor which makes smoking cessation programme successful is:  
a) A well planned programme  
b) The drive of smoker to stop smoking  
c) Availability of replacement therapy  
d) Advice by a competent doctor  
e) Follow up programme
- Q.28 The measures taken against a health problem to prevent its occurrence in a population where it is not seen are known as:  
a) Primary prevention  
b) Secondary prevention  
c) Tertiary prevention  
d) Special prevention  
e) Primordial prevention
- Q.29 Local Govt. is interested to provide safe water to a village with 250 households. As there are no electricity arrangements in the village and funds are also scarce, therefore, it is decided to provide each household with one Pakistan made hand pump. Which one of the principles of primary health care has been acted upon:  
a) Multi-sectoral approach  
b) Appropriate technology  
c) Community participation  
d) Equitable distribution  
e) Self reliance
- Q.30 A young student aged 14 was a good athlete. He lost his leg (left) in a road side accident. He recovered but was very upset despite having artificial leg as he was unable to participate in his school annual athletics. His failure to participate in athletics will be named as:  
a) Disability  
b) Accident  
c) Impairment  
d) Handicap  
e) Disappointment

**MBS THIRD PROFESSIONAL  
4 year original C-MED MCQ**

Signature of Candidate \_\_\_\_\_

Roll No. \_\_\_\_\_

Total Marks: 65

Time Allowed: 2 hours

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**Q.1** Obesity and overweight are the major risk factors for:

- a) Colon cancer
- b) Thyroid cancer
- c) Acid peptic disease
- d) Bronchial asthma
- e) Diabetes

**Q.2** The carbohydrate is a vital emergency fuel for the heart:

- a) Glucose
- b) Fructose
- c) Glycogen
- d) Galactose
- e) Sucrose

**Q.3** Active Immunization against Tetanus can be done by:

- a) High immune human diphtheria
- b) Tetanus Toxin
- c) Tetanus immunoglobulin
- d) Tetanus anti-toxin
- e) Anti-Tetanus serum

**Q.4** Hepatitis A is mainly transmitted by:

- a) Sexual activity
- b) Contaminated food
- c) Contaminated water
- d) Mosquito bite
- e) Skin contact

**Q.5** Anti sera are available for the following diseases except:

- a) Rabies
- b) Measles
- c) Gas gangrene
- d) Botulism
- e) Tetanus

**Q.6** Transfer of Maternal antibodies can be done through:

- a) Passive immunization
- b) Active immunization
- c) Fetal transmission
- d) Direct immunization
- e) Indirect immunization

**Q.7** Under EPI, vaccination against Polio, which include the following total number of doses given one month apart:

- a) 5
- b) 4
- c) 3
- d) 2
- e) 3

**Q.8** Simultaneous active-passive immunization can be done against the following diseases except:

- a) Hepatitis B
- b) Tetanus
- c) Measles
- d) Poliomyelitis
- e) Rabies

**Q.9** Socio-economic status (poor, middle class, upper class) is an example of:

- a) Nominal variable
- b) Numerical variable
- c) Ordinal variable
- d) Discrete variable

**Q.10** In medical statistics the P-value is set at:

- a)  $P < 1.00$
- b)  $P < 0.01$
- c)  $P < 0.05$
- d)  $P < 0.5$
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**Q.11** The mode of the following data is (2,2,3,2,7,2,3,6,3):

- a) 4
- b) 5
- c) 3
- d) 2
- e) 3

**Q.12** The probability of making type I or II error is called:

- a) Critical value
- b) Outcome
- c) Standard error
- d) Sampling error
- e) P-value

- a) 50%
- b) 100%
- c) 20%

Q.14 pelvic Inflammatory disease is an absolute contraindication for:

- d) Use of condom
- e) Insertion of IUCD (Intrauterine Contraceptive Device)

Q.15 For a lactating mother, the following contraceptive methods can be used except:

- a) Estrogenic hormones
- b) Diaphragm
- c) OCP (Oral Contraceptive Pill)

- d) LNG-IUS (Levonorgestrel Releasing IUD)
- e) Condom

Q.16 Several studies have found that 55% of cases of lung cancer due to cigarette smoking. This measure is an example of:

- a) Proportional mortality rate
- b) Incidence rate
- c) Mortality risk
- d) Relative risk
- e) None of the above

Q.17 A Case-Control study has following characteristics:

- a) It is retrospective compared with cohort research designs.
- b) Cases with the disease are compared to controls without disease.
- c) Incidence rates can be compared directly.
- d) Prospective study
- e) All of the above

- f) Prospective cohort study
- g) Case-control study

Q.18 In a study, begun in 1970, a group of 2000 male adults in Elcho were asked about cigarette smoking. The occurrence of cases of ischaemic heart disease was measured in this group between 1980 and 1990. This is an example of:

- a) Clinical trial
- b) Case-Control study
- c) Observational study

- f) Prospective cohort study
- g) Cohort study design

Q.19 Following are the attributes of a clinical trial:

- a) Comparison
- b) Randomization
- c) Blinding

- f) Comparison
- g) Randomization

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- f) Avoid volunteer bias and sampling variation
- g) None of the above

Q.23 While calculating Standardized Mortality ratio, the numerator should consist of:

- f) Total number of deaths per year
- g) None of the above

- a) Unadjusted number of deaths per year
- b) Adjusted number of deaths per year

Q.24 Probability sampling techniques are:

- f) Simple random sampling
- g) Stratified sampling

- a) Simple random sampling
- b) Quota sampling
- c) Stratified sampling

Q.25 In Maternal Mortality ratio, the denominator consists of:

- f) Total number of women of specified place and time
- g) Total number of women in the world

- a) Total number of pregnant women at specified place and time
- b) Total number of live births at specified place and time

- f) Total number of women of specified place and time
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# 4 year original C-MED MCQ [www.pakmedicalworld.com](http://www.pakmedicalworld.com)

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- d) 30 sq feet
- e) 28 sq feet

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- b) Non-malfeasance
- c) Autonomy
- d) Altruism
- e) Beneficence

# 4 year original C-MED MCQ

- Q.41 What do people want their doctors to do? (MARCH 03)
- a) Community needs
  - b) Social needs
  - c) Formative needs
- Q.42 The Iceberg phenomenon of disease is also called:
- a) Natural history of disease
  - b) Biologics spectrum of disease
  - c) Disease Surveillance
- Q.43 By calculating Secondary Attack rate, the investigator wants to:
- a) Complexity of disease
  - b) Fatality of disease
  - c) Communicability of disease
- Q.44 If an investigator calculates the number of people because ill after eating a certain food item out of the total number of people who ate that food at a restaurant on a particular day, he is in fact determining the:
- a) Prevalence rate
  - b) Attack rate
  - c) Case-fatality rate
- Q.45 Endemic means that a disease:
- a) Occurs clearly in excess of the normal occurrence
  - b) Exhibits a seasonal pattern
  - c) Is prevalent among animals
  - d) Is always present in the human population
  - e) Affects a large number of countries simultaneously
- Q.46 Which of the following is the characteristic of compound vehicle single exposure epidemic?
- a) A large number of secondary cases
  - b) Cases include both exposed and non-exposed people
  - c) Increased severity with increasing age
  - d) It is explosive
  - e) None of the above
- Q.47 In the study of an investigation of a disease outbreak, plotting an Epidemic time curve is useful because:
- a) It helps determine the type of the epidemic
  - b) It shows whether herd immunity has occurred
  - c) It helps determine the Median Incubation period
  - d) a and c
  - e) a, b and c
- Q.48 When a physician asks a patient, "Do you currently have Asthma?" he is talking about:
- a) Point prevalence
  - b) Cumulative incidence
  - c) Period prevalence
  - d) a and c
  - e) None of the above
- Q.49 When an investigator determines the percentage of people who die with a certain disease within a certain time after diagnosis, he is calculating:
- a) Disease specific mortality rate
  - b) Mortality rate
  - c) Case-fatality rate
  - d) Proportionate mortality rate
  - e) Time specific mortality rate
- Q.50 When the proportion of non-diseased people correctly identified as "Negative" by the screening test is categorized, it is called:
- a) Specificity of the test
  - b) Negative Predictive value
  - c) Sensitivity of the test
  - d) Negative Predictive value
  - e) Positive predictive value
- Q.51 Assume a population of 100,000 people of whom 10 are sick with hepatitis B. In one year, 20 new cases of the disease. The case-fatality rate would be:
- a) 0.0%
  - b) 20%
  - c) 50%
  - d) 0.0%
- Q.52 In a clinical setting, if a physician after seeing a poor result of a patient says "if the test result is positive in this patient, then what is the probability that this patient actually has the disease?" He wants to know:
- a) False Positive error rate
  - b) Prevalence of the disease
  - c) True negative error rate
  - d) Positive Predictive value
  - e) Negative Predictive value

# 4 year original C-MED MCQ

- Q.54 Recommended daily additional energy requirement of a lactating mother is:  
a) 100-250 K cal per day  
b) 400- 550 K cal per day  
c) 500- 650 K cal per day  
d) 200- 350 K cal per day  
e) 300- 450 K cal per day
- Q.55 Levels of Disease Prevention include all except:  
a) Disability limitation  
b) Rehabilitation  
c) Health protection  
d) Specific protection  
e) Early diagnosis and prompt treatment
- Q.56 Following are the Principles of primary health care:  
a) Community participation  
b) Multi-sectoral collaboration  
c) Non-government  
d) a and b  
e) b, c and d
- Q.57 Water fluoridation is an example of:  
a) A primary prevention  
b) It is not a preventive strategy  
c) A primary preventive strategy  
d) A secondary preventive strategy  
e) A tertiary preventive strategy
- Q.58 During the 19th century, John Snow:  
a) Hypothesized that Cholera is mainly due to malnutrition  
b) Was the first to develop vaccine against Small pox  
c) Proved his miasmatic theory of disease  
d) Proved that Cholera is spread through contaminated water  
e) Was the first to use chloroform on a woman in labour
- Q.59 A researcher is interested in recording the number of individuals suffering from common cold in a particular geographic region at a particular point in time. The most appropriate measure of morbidity would be:  
a) Attack rate  
b) Cumulative Incidence  
c) Incidence density  
d) Period prevalence  
e) Point prevalence
- Q.60 A researcher is interested in knowing how many new cases of Measles develop at a primary school during October 2010. Assuming that there are no new enrolments and no drop outs during the specified month, the most appropriate measure of morbidity is:  
a) Incidence density  
b) Secondary attack rate  
c) Attack rate  
d) Secondary attack rate  
e) Incidence rate
- Q.61 Which of these is not a primary requirement for conducting screening for disease control:  
a) The disease can lead to complications and disability if not detected early  
b) Prevalence of disease must be high in the population under study  
c) The screening program should be funded by the government  
d) The disease must be severe  
e) There should be a favourable prognosis after early detection and treatment
- Q.62 It is assumed that a disease can either be transmitted directly or indirectly. A vector such as mosquito is an example of:  
a) direct transmission of disease  
b) common vehicle exposure  
c) multiple source transmission  
d) indirect transmission of disease  
e) single exposure
- Q.63 The resistance of a population to an attack of disease to which a large portion of its members are immune is called:  
a) Immunogenesis  
b) Group immunity  
c) Ring immunity  
d) Panum effect  
e) Herd immunity
- Q.64 The rate of disease in susceptible people who have been exposed to a primary case is referred as:  
a) Population attack rate  
b) Secondary attack rate  
c) Primary attack rate
- Q.65 The body's primary source of Energy is:  
a) Glucose  
b) Galactose  
c) Fructose  
d) Fats  
e) Glycogen
- Q.66 Dietary fibre that serves as a body's regulatory agent is:  
a) Mineral  
b) Vitamin  
c) Protein  
d) Carbohydrate  
e) Fats
- [www.pakmedicalworld.com](http://www.pakmedicalworld.com)

Instructions: 1. Read the instructions on the MCQ Response Form carefully.

# 4 year original C-MED MCQ

IV. Candidates  
Signature in ink matching with MCQ Response Form

**www.pakmedicalworld.com**

- Q.1 A method of identifying missing cases of disease is called:  
a) Disease monitoring  
b) Disease notification  
c) Active surveillance  
d) Passive surveillance  
e) Sentinel surveillance
- Q.2 If Sensitivity of a screening test is 20%, False negative error rate will be:  
a) 40%  
b) 50%  
c) 60%  
d) 70%  
e) 80%
- Q.3 High disease prevalence results in:  
a) Increased Positive Predictive value of a screening test  
b) Decreased Positive Predictive value of a screening test  
c) Increased Negative predictive value of a screening test  
d) Decreased Negative Predictive value of a screening test  
e) Increased Specificity of a screening test
- Q.4 Any systematic error in the design, conduct and analysis of a study that results in a mistaken estimate of an exposure's effect on the risk of disease is called:  
a) Bias  
b) Confounding  
c) Effect modification  
d) Random error  
e) Synergism
- Q.5 The likelihood of a causal association between two variables increases by the presence of:  
a) Biological plausibility  
b) Coherence of the association  
c) Consistency of the association  
d) a and b  
e) a, b and c
- Q.6 Prevalence of a disease or a risk factor can be estimated in:  
a) Case-control study  
b) Case report  
c) Case series  
d) Correlational study  
e) Cross-sectional study
- Q.7 Measure of risk in a Cohort study is called:  
a) Absolute risk  
b) Attributable risk  
c) Odds ratio  
d) Population Attributable risk  
e) Relative risk —  $R = \frac{a}{a+b}$
- Q.8 Hepatitis B virus can be transmitted via:  
a) Food  
b) Blood  
c) Sexual intercourse  
d) a and b  
e) b and c
- Q.9 When numerator is part of a denominator, the measure is called as:  
a) Mean  
b) Percentile  
c) Range  
d) Rate  
e) Ratio
- Q.10 The frequency of new events per person-time is referred as:  
a) Cumulative Incidence  
b) Incidence density  
c) Period Prevalence  
d) Point prevalence  
e) Risk difference
- Q.11 Modifiable risk factors for coronary heart disease are:  
a) Age  
b) Cigarette smoking  
c) Sedentary life style  
d) a and b  
e) b and c

Q.29 WHO reported an alleged increase in incidence of malignant pleural mesothelioma in a small industrial town in Turkey in 2009. The most likely exposure is to:

- a) Arsenic
- b) Asbestos
- c) Lead
- d) Mercury
- e) Silicon

Q.30 Group approach in Health Communication includes:

- a) Panel discussion
- b) Role play
- c) Workshop
- d) a and b
- e) a, b and c

## 4 year original C-MED MCQ

Q.31 The average number of fleas of all species per rodent is called:

- a) General Flea Index
- b) Percentage Incidence of Flea Species
- c) Rodent Infestation Rate
- d) Specific Flea Index
- e) None of the above

specific species -  
species free  
(index)

Q.32 Artificial collections of water are a breeding medium for:

- a) Aedes
- b) Anopheles (Malaria vector)
- c) Culex (Biting insect vector)
- d) Malaria (water)
- e) a and b

having certain vegetations

Q.33 Causative agent of Trachoma is:

- a) Chlamydia
- b) Histoplasma
- c) Leptospira
- d) Mycobacteria
- e) Rickettsia

Q.34 Amoebic dysentery is due to:

- a) Contact transmission of the causative agent
- b) Faeco-oral transmission of the causative agent
- c) Respiratory transmission of the causative agent
- d) Sexual transmission of the causative agent
- e) Vertical transmission of the causative agent

Q.35 Mental health program includes:

- a) Early diagnosis and treatment
- b) Psychotherapy
- c) Rehabilitation
- d) Use of Psychoactive drugs
- e) All of the above

Q.36 The most effective personal hygiene measure to prevent disease transmission is:

- a) Daily bathing
- b) Head lice lousing
- c) Repeated hand washing
- d) Use of handkerchief when sneezing
- e) Wearing appropriate footwear

Q.37 Cigarette smoking is a risk factor for:

- a) Diabetes Mellitus
- b) Ischemic heart disease
- c) Lung cancer
- d) i, ii and iii
- e) ii and iii

Q.38 Addiction occurs due to all of the drugs EXCEPT:

- a) Alcohol
- b) Cannabis
- c) Cocaine
- d) Heroin
- e) Metaramphetamine

Q.39 The child labour act bans employment in mines and hazardous employments for children under:

- a) 12 years
- b) 13 years
- c) 14 years
- d) 15 years
- e) 16 years

Q.40 Safe and wholesome water is defined as water that is:

- a) Free of pathogenic agents
- b) Free from chemical agents
- c) Free from colour and odour
- d) i, ii and iii
- e) i, ii, iii and iv

Q.41 For all water intended for drinking, E. coli must not be detectable in:

- a) Any 100 ml sample
- b) Any 200 ml sample
- c) Any 300 ml sample
- d) Any 400 ml sample
- e) Any 500 ml sample

Q.42 Important air pollutant is:

- a) Carbon dioxide
- b) Carbon monoxide
- c) Hydrogen sulphide
- d) Sulphur dioxide
- e) All of the above

- Q.22** The risk factors for Cervical cancer are:  
 a) Genital warts  
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 c) Upper socio-economic status
- Q.23** The antibody generated first in a primary immune response is:  
 a) IgA  
 b) IgD  
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- Q.24** Chemoprophylaxis is done for:  
 a) Cholera  
 b) Diphtheria  
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- Q.25** The best way to prevent *Tetanus neonatorum* is to:  
 - a) Actively immunize mother in pregnancy against Tetanus  
 b) Ensure aseptic cutting of the umbilical cord  
 c) Ensure clean hands for delivery of the baby  
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- Q.26** Simultaneous active Passive Immunization is done in the following diseases:  
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 a) Inactivated vaccine  
 - b) Live attenuated vaccine  
 c) Plasma derived vaccine
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 a) Maternal antibodies transferred through placenta  
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 a) Cluster sampling  
 b) Multi stage sampling  
 c) Simple random sampling
- Q.31** In the distribution consisting of the elements 6, 9, 15, 17, 24, 29 the MEDIAN is:  
 a) 15  
 b) 16  
 c) 17
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 a) Null hypothesis is true and researcher accepts null hypothesis  
 b) Null hypothesis is true and researcher rejects Null hypothesis.  
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 a) Case-control study  
 b) Cohort study  
 c) Correlational study
- Q.34** In a normal distribution curve, 95% of the distribution falls within:  
 a)  $\pm 1$  standard deviation of the mean  
 b)  $\pm 2$  standard deviations of the mean  
 c)  $\pm 3$  standard deviations of the mean

# 4 year original C-MED MCQ

- If the Growth rate of a developed country remains constant at .60 percent, the population of that country would double in:
- a) 575 years
  - b) 675 years
  - c) 775 years
  - d) 875 years
  - e) 975 years
- Q.26** In a population pyramid, when each cohort is larger than the previous cohort, producing a PYRAMID shape, it indicates:
- a) Rapid growth
  - b) Slow growth
  - c) Zero growth
  - d) b and c
  - e) None of the above
- Q.27** Replacement level fertility is indicated by a Net Reproductive Rate (NRR) of:
- a) 0
  - b) 1
  - c) 2
  - d) 3
  - e) 4
- Q.28** The annual number of deaths of infants ages 28-days to 1 year per 1000 live births in a given year is called:
- a) Child mortality rate
  - b) Early neonatal mortality rate
  - c) General mortality rate
  - d) Infant mortality rate
  - e) Post-neonatal mortality rate
- Q.29** Pelvic inflammatory disease is an important complication after:
- a) Hormonal injection
  - b) Intrauterine contraceptive device insertion
  - c) Oral Contraceptive Pill intake
  - d) Tubal ligation
  - e) Use of Diaphragm
- Q.30** First ante-natal visit should include the following, EXCEPT:
- a) Abdominal X-ray
  - b) Blood grouping and Rh determination
  - c) Complete blood count
  - d) Complete urine analysis
  - e) Ultra sound examination
- Q.31** *After 5 weeks of delivery*  
Puerperal sepsis is the most common complication of:
- a) Ante-natal period
  - b) Intra-natal period
  - c) Post-natal period
  - d) b and c
  - e) None of the above
- Q.32** Colostrum is the most suitable food for the baby as it is rich in:
- a) Antibodies
  - b) Fats
  - c) Minerals
  - d) Carbohydrates
  - e) c and d
- Q.33** In developing countries, direct causes of maternal mortality include the following EXCEPT:
- a) Anaemia
  - b) Excessive bleeding
  - c) Edampsia
  - d) Infection
  - e) Obstructed labour
- Q.34** Desks provided at schools should be:
- a) Minus desks
  - b) Plus desks
  - c) Zero desks
  - d) Computer desks
  - e) Office desks
- Q.35** Following are the components of School Health program:
- a) Health appraisal of school children
  - b) First aid and emergency care
  - c) Dental Health care
  - d) a and b
  - e) a, b and c
- Q.36** In an ideal school classroom, the combined door and window area should be:
- a) 5% of the floor space
  - b) 10% of the floor space
  - c) 15% of the floor space
  - d) 20% of the floor space
  - e) 25% of the floor space
- Q.37** Long term ingestion of arsenic containing water results in:
- a) Gangrene of extremities
  - b) Hyperkeratosis
  - c) Skin cancer
  - d) a and b
  - e) a, b and c
- Q.38** Cholinesterase inhibition in Organophosphate pesticides poisoning results in:
- a) Lachrymation
  - b) Salivation
  - c) Urination
  - d) a and b
  - e) a, b and c

ICRP recommends that the genetic dose of radiation from all sources to the whole population over a period of 30 years must not exceed:

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- b) 2 rem
- c) 3 rem
- d) 4 rem
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**Q.54** The accepted standard for number of persons per room of a housing unit is:

- a) 1 person per room
- b) 2 persons per room
- c) 3 persons per room
- d) 4 persons per room
- e) 5 persons per room

**Q.55** In an International TRIAGE system of Emergency care, the colour RED signifies:

- a) Ambulatory patients
- b) Dead/ moribund patients
- c) High priority treatment / transfer
- d) Medium priority treatment/ transfer
- e) Low priority treatment/ transfer

**Q.56** A level of serum albumin concentration of 2 g/dl indicates:

- a) Normal nutrition
- b) Mild malnutrition
- c) Moderate malnutrition
- d) Severe malnutrition
- e) Very severe malnutrition

**Q.57** The recommended daily intake of Vitamin A for an adult is:

- a) 300 micrograms
- b) 500 micrograms
- c) 900 micrograms
- d) 1200 micrograms
- e) 1500 micrograms

**Q.58** During pregnancy and lactation the commonest deficiency is of:

- a) Cyanocobalamin
- b) Folate
- c) Iron
- d) Pyridoxine
- e) Riboflavin

**Q.59** The daily requirement of Iodine for adults is:

- a) 50 micrograms per day
- b) 75 micrograms per day
- c) 100 micrograms per day
- d) 125 micrograms per day
- e) 150 micrograms per day

**Q.60** For an Egg, the Net Protein Utilization (NPU) which signifies biological value and digestibility is:

- a) 0
- b) 25
- c) 50
- d) 75
- e) 100

**Q.61** In case of snake bite, antivenin may be required in first 24 hours in a total amount of:

- a) 25 ml
- b) 50 ml
- c) 100 ml
- d) 125 ml
- e) 150 ml

**Q.62** Primary health care include:

- a) Health education
- b) Maternal and Child health
- c) Health of the elderly
- d) a and b
- e) b and c

**Q.63** In Iceberg phenomenon of disease the submerged portion of an iceberg indicates:

- a) Apparent cases
- b) Complicated cases
- c) Cured cases
- d) Diagnosed cases
- e) Sub-clinical cases

**Q.64** Specific protective measure is:

- a) Health Education
- b) Provision of safe drinking water
- c) Sanitation
- d) Vaccination
- e) Vector control

**Q.65** In Biostatistics, when the first variable is contingent upon the second variable. The first variable is called:

- a) Discrete variable
- b) Independent variable
- c) Predictor variable
- d) Definite variable
- e) None of the above

# M KHIZZER KHAN

- Q.39** WHO reported an alleged increase in incidence of malignant pleural mesothelioma in a small industrial town in Turkey in 2009. The most likely exposure is to:
- Arsenic
  - Asbestos
  - Lead
  - Mercury
  - Silicone
- Q.40** Group approach in Health Communication includes:
- Panel discussion
  - Rôle play
  - Workshop
  - a and b
  - a, b and c
- Q.41** The average number of fleas of all species per rodent is called:
- General Flea Index
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- Q.42** Artificial collections of water are a breeding medium for:
- Aedes
  - Anopheles
  - Culex
  - Mansonia
  - a and b
- Q.43** Causative agent of Trachoma is:
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  - Ischemic heart disease
  - Lung cancer
  - a, b and c
  - b and c
- Q.48** Addiction occurs due to all of the drugs EXCEPT:
- Alcohol
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  - Cocaine
  - Heroin
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- 12 years
  - 13 years
  - 14 years
  - 15 years
  - 16 years
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# 4 YEAR ORIGINAL C-MED MCQ

# KHIZZER KHAN

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 a) Cluster sampling  
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 e) Systematic sampling
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 a) 15  
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 c) 17  
 d) 18  
 e) 19
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 b) Null hypothesis is true and researcher rejects Null hypothesis  
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 b) Cohort study  
 c) Cross-sectional study  
 d) Cross-sectional study  
 e) Experimental study
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 b) ± 2 standard deviations of the mean  
 c) ± 3 standard deviations of the mean  
 d) ± 4 standard deviations of the mean  
 e) None of the above

## 4 YEAR ORIGINAL C-MED MCQ

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Q.55 In an International TRIAGE system of Emergency care, the colour RED signifies:

- a) Ambulatory patients
- b) Dead/ moribund patients
- c) High priority treatment / transfer
- d) Medium priority treatment/ transfer
- e) Low priority treatment/ transfer

Q.56 A level of serum albumin concentration of 3 g/dl indicates:

- a) Normal nutrition
- b) Mild malnutrition
- c) Moderate malnutrition
- d) Severe malnutrition
- e) Very severe malnutrition

Q.57 The recommended daily intake of Vitamin A for an adult is:

- a) 300 micrograms
- b) 600 micrograms
- c) 900 micrograms
- d) 1200 micrograms
- e) 1500 micrograms

Q.58 During pregnancy and lactation the commonest deficiency is of:

- a) Cyanocobalamin
- b) Folate
- c) Niacin
- d) Pyridoxine
- e) Riboflavin

Q.59 The daily requirement of Iodine for adults is:

- a) 50 micrograms per day
- b) 75 micrograms per day
- c) 100 micrograms per day
- d) 125 micrograms per day
- e) 150 micrograms per day

Q.60 For an Egg, the Net Protein Utilization (NPU) which signifies biological value and digestibility is:

- a) 0
- b) 25
- c) 50
- d) 75
- e) 100

Q.61 In case of snake bite, antivenin may be required in first 24 hours in a total amount of:

- a) 25 ml
- b) 50 ml
- c) 100 ml
- d) 125 ml
- e) 150 ml

Q.62 Primary health care include:

- a) Health education
- b) Maternal and Child health
- c) Health of the elderly
- d) a and b
- e) b and c

Q.63 In iceberg phenomenon of disease the submerged portion of an iceberg indicates:

- a) Diagnosed cases
- b) Sub-clinical cases

Q.64 Specific protective measure is:

- a) Health Education
- b) Provision of safe drinking water
- c) Sanitation
- d) Vaccination
- e) Vector control

Q.65 In Biostatistics, when the first variable is contingent upon the second variable. The first variable is called:

- a) Dependent variable
- b) Independent variable
- c) Predictor variable
- d) Definite variable
- e) None of the above

## KHIZZER KHAN



- Q.36** If the growth rate of a developed country remains constant at 1% per year, the doubling of time  
 required would be:  
 a) 70 years  
 b) 69 years  
 c) 72 years  
 d) 68 years
- Q.37** In a population pyramid, when each cohort is larger than the previous cohort, producing a  
 pyramidal shape, it indicates:  
 a) High growth  
 b) Low growth  
 c) Zero growth  
 d) None of the above
- Q.38** Replacement level fertility is indicated by a net reproductive rate (NRR) of:  
 a) 1  
 b) 0  
 c) -1  
 d) 2
- Q.39** The annual number of deaths of infants aged 0 days to 1 year per 1000 live births in a given year is called:  
 a) Child mortality rate  
 b) Early childhood mortality rate  
 c) General mortality rate  
 d) Infant mortality rate
- Q.40** Poly Urethralitis disease is an important complication after:  
 a) Hormonal injection  
 b) Intravaginal contraceptive device insertion  
 c) Oral Contraceptive Pill intake  
 d) None of the above
- Q.41** First antenatal visit should include the following, EXCEPT:  
 a) Abdominal exam  
 b) Blood grouping and Rh determination  
 c) Complete blood count  
 d) Complete urine analysis  
 e) Ultra sound examination
- Q.42** Puerperal sepsis is the most common complication of:  
 a) Antepartal period  
 b) Intrapartum period  
 c) Postpartal period  
 d) None of the above
- Q.43** Colostrum is the most suitable food for the baby as it is rich in:  
 a) Aminoacids  
 b) Proteins  
 c) Minerals  
 d) Carbohydrates  
 e) Lipids and protein
- Q.44** In developing countries, direct causes of maternal mortality include the following EXCEPT:  
 a) Anemia  
 b) Incessive bleeding  
 c) Hypertension  
 d) Infektion  
 e) Obstructed labour
- Q.45** Seats provided at antenatal should be:  
 a) Mirror desks  
 b) Bus seats  
 c) Zero desks  
 d) Computer desks  
 e) Office desks
- Q.46** Following are the components of School health program:  
 a) Health appraisal of school children  
 b) First aid and emergency care  
 c) Dental health care  
 d) a and b  
 e) a, b and c
- Q.47** In a school classroom, the combined door and window area should be:  
 a) 10% of the floor space  
 b) 10% of the floor space  
 c) 10% of the floor space  
 d) 10% of the floor space
- Q.48** Inhalation of organic containing water results in:  
 a) Hypoxia of neurons  
 b) Hypoxia  
 c) Hypoxia  
 d) a and b  
 e) a, b and c
- Q.49** Cholinesterase inhibition in Organophosphate pesticide poisoning results in:  
 a) Hypoxia  
 b) Hypoxia  
 c) Hypoxia  
 d) a and b  
 e) a, b and c