

# FINAL ANSWER KEY

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Question1:-The World Health Day Theme for the year 2019 was

- A:-From farm to plate: Make food safe
- B:-Together the front lines against diabetes
- C:-Depression: Let's talk
- D:-Universal Health Coverage: everyone, everywhere

Correct Answer:- Option-D

Question2:-Deficiency of Thiamine (Vitamin B1) causes

- A:-Angular Stomatitis
- B:-Wernicke's encephalopathy
- C:-Cheilosis
- D:-Glossitis

Correct Answer:- Option-B

Question3:-In a balanced diet, the proportion of fats should be

- A:-15-20%
- B:-20-30%
- C:-40-50%
- D:-60-70%

Correct Answer:- Option-B

Question4:-Which among the following trace elements is caries promoting

- A:-Aluminium
- B:-Nickel
- C:-Magnesium
- D:-Phosphorous

Correct Answer:- Option-C

Question5:-Iron is required for all of the following EXCEPT

- A:-Brain development and function
- B:-Regulation of body temperature
- C:-Muscle activity
- D:-Coagulation of blood

Correct Answer:- Option-D

Question6:-All of the following are theories of behaviour change EXCEPT

- A:-Health Belief Model
- B:-Multidimensional Health Locus of Control
- C:-Lifestyle and Oral Health Model
- D:-Stages of Change Model

Correct Answer:- Option-C

Question7:-The Stages of Change Model was developed by

- A:-M.Rosenstock in 1966
- B:-Wallston et al in 1978
- C:-Prochaska and DiClemente in 1983
- D:-Erik Erikson in 1963

Correct Answer:- Option-C

Question8:-Which among the following is the requirement for care as determined by expert opinion

- A:-Normative Need
- B:-Felt Need
- C:-Perceived Need
- D:-Expressed Need

Correct Answer:- Option-A

Question9:-The theory of Operant Conditioning was put forward by

- A:-Ivan Pavlov
- B:-B.F. Skinner
- C:-Jean Piaget
- D:-Albert Bandura

Correct Answer:- Option-B

Question10:-The technique of Systematic Desensitization in behaviour management of children was developed by

- A:-Wolpe in 1952
- B:-Addleson in 1959
- C:-Bandura in 1969
- D:-Wright in 1975

Correct Answer:- Option-A

Question11:-BCG vaccine can be given in

- A:-Pregnancy
- B:-Immunosuppressive states
- C:-During corticosteroid therapy
- D:-Assymptomatic HIV positive infants in high endemic areas

Correct Answer:- Option-D

Question12:-Which among the following DOES NOT come under Hill's (Surgeon General's) criteria of causal association

- A:-Sensitivity of association
- B:-Specificity of association
- C:-Strength of association
- D:-Consistency of association

Correct Answer:- Option-A

Question13:-The term "Social structure" can be defined as

- A:-Process by which an individual gradually acquires culture and becomes member of a social group
- B:-Patterns of interrelationships between persons in a society
- C:-Study of individuals as well as groups in a society
- D:-A group of individuals who had organized themselves and follow a way of life

Correct Answer:- Option-B

Question14:-Which among the following DOES NOT come under behavioural sciences

- A:-Sociology
- B:-Social anthropology
- C:-Cultural anthropology
- D:-Social psychology

Correct Answer:- Option-C

Question15:-Acculturation can occur through all of the following ways EXCEPT

- A:-Trade and commerce
- B:-Industrialization
- C:-Crime and corruption
- D:-Conquest

Correct Answer:- Option-C

Question16:-Which among the following DOES NOT come under theories in Sociology

- A:-Feminist Theory
- B:-Parsonian Theory
- C:-Freudian Theory
- D:-Marxist Theory

Correct Answer:- Option-C

Question17:-According to Stern's IQ test, IQ was calculated for children as

- A:- $IQ = (\text{Mental age} / \text{Chronological age}) \times 100$
- B:- $IQ = (\text{Chronological age} / \text{Mental age}) \times 100$
- C:- $IQ = (\text{Mental age} / \text{Chronological age}) \times 1000$
- D:- $IQ = (\text{Chronological age} / \text{Mental age}) \times 1000$

Correct Answer:- Option-A

Question18:-Kuppuswamy scale is NOT based on

- A:-Education status
- B:-Gender
- C:-Income
- D:-Occupation

Correct Answer:- Option-B

Question19:-Which among the following comes under "Rural Socio Economic Status Scales"

- A:-Modified Kuppaswamy Scale
  - B:-Modified B.G. Prasad Scale
  - C:-Kulshreshtha Scale
  - D:-Srivastava Scale
- Correct Answer:- Option-B

Question20:-Comparison of costs of different interventions that are assumed to provide equivalent benefits is done in

- A:-Cost Minimization Analysis
  - B:-Cost Effectiveness Analysis
  - C:-Cost Utility Analysis
  - D:-Cost Benefit Analysis
- Correct Answer:- Option-A

Question21:-Zeihl Neelsen staining is used for the diagnosis of

- A:-Leprosy
  - B:-Poliomyelitis
  - C:-HIV / AIDS
  - D:-Tuberculosis
- Correct Answer:- Option-D

Question22:-The National Vector Borne Disease Control Programme (NVBDCP) covers all of the following diseases EXCEPT

- A:-Malaria
  - B:-Filariasis
  - C:-H1N1(Swine Flu)
  - D:-Dengue fever
- Correct Answer:- Option-C

Question23:-Kala azar is transmitted by

- A:-Sandfly
  - B:-Tsetse fly
  - C:-Female anopheles mosquito
  - D:-Aedes aegypti
- Correct Answer:- Option-A

Question24:-National Rural Health Mission (NRHM) was launched in the year

- A:-2003
  - B:-2005
  - C:-2010
  - D:-2012
- Correct Answer:- Option-B

Question25:-Which among the following statements is NOT true about Janani Suraksha Yojana (JSY)

- A:-Launched in the year 2012
  - B:-Is a modification of National Maternity Benefit Scheme
  - C:-Objectives are reduction of maternal mortality and infant mortality
  - D:-Promotes institutional deliveries for poor women
- Correct Answer:- Option-A

Question26:-Which among the following drugs is NOT used in Multi Drug Therapy (MDT) in the treatment of leprosy

- A:-Rifampicin
  - B:-Minocycline
  - C:-Clofazimine
  - D:-Dapsone
- Correct Answer:- Option-B

Question27:-Which among the following is a synonym for Rashtriya Swasthya Bima Yojana (RSBY)

- A:-National Mission for Financial Inclusion
  - B:-Employees state Insurance Scheme
  - C:-Central Government Health Scheme
  - D:-National Health Insurance Scheme
- Correct Answer:- Option-D

Question28:-Which among the following committees for health planning in India is known as "Committee on Multipurpose Workers under Health and Family Planning"

- A:-Bhore Committee
- B:-Mudaliar Committee
- C:-Kartar Singh Committee

D:-Shrivastava Committee

Correct Answer:- Option-C

Question29:-Each Community Health Centre acts as a referral centre for how many Primary Health Centres

A:-2

B:-3

C:-4

D:-5

Correct Answer:- Option-C

Question30:-The bed strength of a Community Health Centre is

A:-20

B:-30

C:-40

D:-60

Correct Answer:- Option-B

Question31:-Who is the chairperson of National Planning Commission of India (NITI Aayog)

A:-The Prime Minister of India

B:-The President of India

C:-The Finance Minister of India

D:-The Minister of External Affairs

Correct Answer:- Option-A

Question32:-Who gave the definition of epidemiology as "The study of distribution and determinants of disease frequency in man"

A:-John M Last

B:-Mac Mohan and Pugh

C:-Pettenkofer of Munich

D:-Winslow

Correct Answer:- Option-B

Question33:-The theory of Multifactorial Causation of disease was put forward by

A:-John M Last

B:-Mac Mohan and Pugh

C:-Pettenkofer of Munich

D:-Winslow

Correct Answer:- Option-C

Question34:-Efficiency evaluation refers to

A:-Activities designed to determine whether the programme is needed

B:-Evaluating whether the programme results meet predetermined objectives

C:-Efforts made to assess the extent to which programme implementation complies with the programme plan

D:-Attempts made to relate the results obtained from a specific programme to the resources expended to maintain the programme

Correct Answer:- Option-D

Question35:-Which among the following DOES NOT come under the WHO recommended approaches for the primary prevention of chronic diseases where the risk factors are established

A:-Primordial prevention

B:-Population (mass) strategy

C:-High-risk strategy

D:-Individual strategy

Correct Answer:- Option-D

Question36:-Defluoridation is an example of

A:-Primordial prevention

B:-Primary prevention

C:-Secondary prevention

D:-Tertiary prevention

Correct Answer:- Option-B

Question37:-Which among the following study designs give the underlying cause (why and how)

A:-Descriptive study

B:-Analytical study

C:-Randomized Controlled Trial

D:-Non-Randomized Controlled Trial

Correct Answer:- Option-B

Question38:-Which among the following is an uncontrolled characteristic of a study

A:-Independent Variable

B:-Dependent Variable

C:-Discrete Variable

D:-Continuous Variable

Correct Answer:- Option-B

Question39:-Which among the following statements is NOT applicable to probability sampling method

A:-Every member of the population has an equal chance of being included in the sample

B:-The chances of members of the population being selected for the sample are known

C:-Sampling error can be calculated

D:-Sampling error remains unknown

Correct Answer:- Option-D

Question40:-Systematic sampling is NOT used when the population is

A:-Large

B:-Scattered

C:-Homogenous

D:-Non-Homogenous

Correct Answer:- Option-C

Question41:-Sentinel surveillance is

A:-Active search for disease in an apparently health individual

B:-Monitoring of rate of occurrence of specific conditions to assess the stability or change in health

C:-A search for a relationship between one phenomenon or condition and another that has occurred in the past

D:-Examination of groups of various ages at various stages of development at a time

Correct Answer:- Option-B

Question42:-Which among the following is a characteristic of cross sectional studies

A:-Cause and effect relationship can't be established

B:-It is useful in finding out incidence rate of disease in a community

C:-Attrition or loss to follow up is a common problem

D:-Study tells about the natural history of disease and its future outcome

Correct Answer:- Option-A

Question43:-Relative risk, attributable risk and incidence rate can be calculated in

A:-Case control study

B:-Cohort study

C:-Retrospective study

D:-Descriptive study

Correct Answer:- Option-B

Question44:-Pygmalion effect is another name for

A:-Selection bias

B:-Memory or recall bias

C:-Interviewer's bias

D:-Berkesonian bias

Correct Answer:- Option-C

Question45:-Absolute zero and meaningful ratio of scores exist in

A:-Nominal scale

B:-Ordinal scale

C:-Interval scale

D:-Ratio scale

Correct Answer:- Option-D

Question46:-Prevalence = Incidence in

A:-Ultra short diseases like food poisoning

B:-Acute diseases like influenza

C:-Suicides which have zero duration

D:-Chronic diseases like diabetes

Correct Answer:- Option-B

Question47:-Which among the following is used to represent continuous type of quantitative data

A:-Bar diagram

B:-Pie diagram

C:-Histogram

D:-Spot map

Correct Answer:- Option-C

Question48:-In Correlation, the shape of the curve is

- A:-Skewed towards right side
- B:-Skewed towards left side
- C:-Both of the above
- D:-Dumbbell shaped

Correct Answer:- Option-D

Question49:-Mean<Median in

- A:-Positively skewed distribution
- B:-Negatively skewed distribution
- C:-Standard normal distribution
- D:-None of the above

Correct Answer:- Option-B

Question50:-In a standard normal distribution, Mean  $\pm 3$  Standard Deviation which covers about 99% of data, the Z-score is taken as

- A:-1
- B:-2
- C:-2.5
- D:-3.5

Correct Answer:- Option-C

Question51:-Which among the following is NOT a feature of parametric tests

- A:-Distribution is assumed to be normal
- B:-Data is in Interval scale or Ratio scale
- C:-Data set relationships are independent in nature
- D:-The correlation test used in Spearman's correlation

Correct Answer:- Option-D

Question52:-Sensitivity of a biochemical test is

- A:-The closeness with which measured values agree with true value
- B:-The ability to identify correctly all those who have the disease
- C:-The ability to identify correctly all those who do not have the disease
- D:-Both A and B

Correct Answer:- Option-B

Question53:-Reliability and repeatability can be measured by

- A:-Correlation
- B:-Regression
- C:-Both of the above
- D:-None of the above

Correct Answer:- Option-A

Question54:-Fluoride as an element was discovered by H.V. Churchill in the year

- A:-1901
- B:-1931
- C:-1941
- D:-1945

Correct Answer:- Option-B

Question55:-The Turku sugar study on diet and dental caries was conducted by

- A:-Gustafsson et al in 1954
- B:-Scheinin and Makinen in 1975
- C:-Sullivan and Harris in 1963
- D:-None of the above

Correct Answer:- Option-B

Question56:-In the Lactobacillus count test, which reading is inferred as moderate risk

- A:-1000-5000
- B:-5000-10000
- C:-More than 10000
- D:-More than 15000

Correct Answer:- Option-B

Question57:-The indicator dye used in Ora test is

- A:-Diazo-resorcinol
- B:-Methylene blue
- C:-Bromocresol green

D:-None of the above

Correct Answer:- Option-B

Question58:-Which among the following is a simplified substitute for Snyder test

A:-Ora test

B:-Swab test

C:-Alban test

D:-Michigan test

Correct Answer:- Option-C

Question59:-The Swab test was developed by

A:-Grainger et al in 1965

B:-Hadley in 1933

C:-Michigan in 1945

D:-None of the above

Correct Answer:- Option-A

Question60:-Salt fluoridation comes under which level of prevention

A:-Primordial prevention

B:-Primary prevention

C:-Secondary prevention

D:-Tertiary prevention

Correct Answer:- Option-B

Question61:-Acidulated Phosphate Fluoride acts through the following reaction products

A:-Di Calcium Phosphate Dihydrate

B:-Calcium Fluoride

C:-Fluorapatite

D:-All the above

Correct Answer:- Option-D

Question62:-Which among the following is NOT a disadvantage of Stannous Fluoride

A:-Unstable

B:-Metallic taste

C:-Causes etching of porcelain restorations

D:-Causes pigmentation of silicate restorations

Correct Answer:- Option-C

Question63:-Which among the following has antimicrobial properties

A:-NAF

B:-`SnF\_(2)`

C:-APF

D:-Both A and B

Correct Answer:- Option-B

Question64:-The concentration of fluoride in Fluor protector varnish is

A:-7000 ppm

B:-9000 ppm

C:-12600 ppm

D:-22600 ppm

Correct Answer:- Option-A

Question65:-According to DMFS index proposed in 1938, the total number of surfaces examined are

A:-128

B:-132

C:-138

D:-148

Correct Answer:- Option-A

Question66:-According to the Debris Index component of OHI-S proposed by Greene and Vermillion, presence of extrinsic stains regardless of surface area covered should be given a score of

A:-0

B:-1

C:-2

D:-3

Correct Answer:- Option-B

Question67:-The index age of 15 years in National Pathfinder survey signifies

A:-Global monitoring age of dental caries

B:-Used for the assessment of periodontal disease indicators in adolescents

C:-The full effect of dental caries and periodontal disease can be assessed

D:-All the above

Correct Answer:- Option-B

Question68:-The Thylstrup and Fejerskov Index for fluorosis was modified by O. Fejerskov in the year

A:-1978

B:-1988

C:-1992

D:-1996

Correct Answer:- Option-B

Question69:-As per Dunning's classification, bite wing X-rays are used in

A:-Type 1 examination

B:-Type 2 examination

C:-Type 3 examination

D:-Type 4 examination

Correct Answer:- Option-B

Question70:-Which among the following is NOT an abrasive agent used in dentrifice

A:-Calcium carbonate

B:-Sodium bicarbonate

C:-Sodium lauryl sulphate

D:-Hydrated alumina

Correct Answer:- Option-C

Question71:-The meaning of the word "Comprehension" in principles of health education is

A:-Trustworthy

B:-Level of intelligence

C:-Level of understanding

D:-Repetition

Correct Answer:- Option-C

Question72:-In the phrase of "Soil, Seed and Sower" in health education, soil indicates

A:-The sender

B:-The receiver

C:-The message

D:-The channel used

Correct Answer:- Option-B

Question73:-Which among the following methods of health education is called "problem solving method"

A:-Group discussion

B:-Panel discussion

C:-Symposium

D:-Workshop

Correct Answer:- Option-D

Question74:-The public program Medicaid is proposed in which title of the Social Security Society Amendments Act of 1965

A:-Title XVII

B:-Title XVIII

C:-Title XIX

D:-Title XX

Correct Answer:- Option-C

Question75:-Which among the following methods of payment is called as "front-end-payment"

A:-Deductible

B:-Co-insurance

C:-Group insurance

D:-All the above

Correct Answer:- Option-A

Question76:-Which among the following is a non-operating dental auxiliary

A:-Dental nurse

B:-Dental therapist

C:-Dental assistant

D:-Dental hygienist

Correct Answer:- Option-C

Question77:-Refuse is the term used to describe



- A:-Discarded vegetable matter from kitchen, canteens etc.
  - B:-Fluid waste from kitchen unmixed with excrements
  - C:-Waste water from household, industries etc. containing human excreta
  - D:-Solid and semi-solid waste matters of a community except excrements
- Correct Answer:- Option-D

Question78:-The temperature used to burn combustibles in an incinerator is

- A:-1000-1200°C
- B:-1200-1300°C
- C:-1300-1500°C
- D:-1500-1800°C

Correct Answer:- Option-C

Question79:-Gudakhu is the smokeless form of tobacco described in terms of

- A:-Paste of tobacco powder used to clean the teeth mainly by women of Bihar
- B:-Sundried tobacco and slaked lime with arecanut
- C:-Roasted form of tobacco black in colour
- D:-Boiled tobacco leaf with lime and spice

Correct Answer:- Option-A

Question80:-The Headquarters of UNICEF is at

- A:-Geneva
- B:-New Delhi
- C:-New York
- D:-Paris

Correct Answer:- Option-C

Question81:-The Colombo plan of commonwealth countries for co-operative economics in South-East Asia was established in the year

- A:-1948
- B:-1949
- C:-1950
- D:-1951

Correct Answer:- Option-C

Question82:-The Indian Red Cross Society was established in the year

- A:-1919
- B:-1920
- C:-1921
- D:-1930

Correct Answer:- Option-B

Question83:-Which among the following committees was established for malaria eradication at the PHC level

- A:-Bhore Committee
- B:-Mudaliar Committee
- C:-Chadha Committee
- D:-Srivastava Committee

Correct Answer:- Option-C

Question84:-All of the following indicators are included in Human Development Index (HDI) EXCEPT

- A:-Life expectancy at birth
- B:-Adult literacy rate and mean years of schooling
- C:-Real GDP per capita in purchasing power parity in US dollars
- D:-Infant mortality rate

Correct Answer:- Option-D

Question85:-Sullivan's index measures

- A:-Life expectancy at birth
- B:-Life expectancy free of disability
- C:-Adult literacy rate and mean years of schooling
- D:-Real GDP per capita in purchasing power parity in US dollars

Correct Answer:- Option-B

Question86:-Implied consent is otherwise called as

- A:-Express consent
- B:-Tacit consent
- C:-Informed consent
- D:-None of the above

Correct Answer:- Option-B

Question87:-Bolam test is the term used in connection with

- A:-Purification of water
- B:-Disposal of health care waste
- C:-Professional Negligence
- D:-Informed consent

Correct Answer:- Option-C

Question88:-Which among the following DOES NOT come under the principles of epidemiology

- A:-Exact observation
- B:-Rational explanation
- C:-Randomization
- D:-None of the above

Correct Answer:- Option-C

Question89:-"Precede-Proceed" model is used in

- A:-Planning and evaluation of health education
- B:-Planning and evaluation of health services
- C:-Preparing a study protocol
- D:-All the above

Correct Answer:- Option-A

Question90:-The world's first dental hygienist was

- A:-Alfred C Fones
- B:-Irene Newman
- C:-J.M.Eager
- D:-Issac Binton

Correct Answer:- Option-B

Question91:-Fluoride containing pit and fissure sealants are

- A:-First generation
- B:-Second generation
- C:-Third generation
- D:-Fourth generation

Correct Answer:- Option-D

Question92:-Which among the following is NOT a priority area of Health Promotion

- A:-Building healthy public policy
- B:-Creating supportive environment
- C:-Intersectoral co-ordination
- D:-Reorientation of health services

Correct Answer:- Option-C

Question93:-Z-test is used to compare the means of two groups when

- A:-The data sets in the groups are related to each other and the sample is small
- B:-The data sets in the groups are related to each other and the sample is large
- C:-The data sets in the groups are not related to each other
- D:-Both A & B

Correct Answer:- Option-B

Question94:-Which among the following is NOT an application of Chi-square test in statistics

- A:-Test of proportion
- B:-Test of association
- C:-Test of goodness of fit
- D:-None of the above

Correct Answer:- Option-D

Question95:-Which among the following is the dye used in Modified Quigley Hein Plaque Index

- A:-Methylene blue
- B:-Basic fuschin
- C:-Erythrosin
- D:-Brilliant blue

Correct Answer:- Option-B

Question96:-The Employees State Insurance (ESI) Act was introduced in the year

- A:-1945
- B:-1948
- C:-1950

D:-1952

Correct Answer:- Option-B

Question97:-Trench method is used in which following methods of waste disposal

A:-Dumping

B:-Burial

C:-Composting

D:-Controlled tipping

Correct Answer:- Option-D

Question98:-Third hand smoke is

A:-Smoke inhaled from cigarette

B:-Smoke exhaled from smoker which is inhaled by others

C:-Combined smoke from cigarette and exhaled from smoker

D:-The chemical residue of tobacco smoke that gets attached to clothing, wall, furniture and other materials after the cigarette is extinguished.

Correct Answer:- Option-D

Question99:-Askov Dental Demonstration was a school dental health program implemented for

A:-An English community

B:-A Danish community

C:-An Irish community

D:-An Italian community

Correct Answer:- Option-B

Question100:-The Declaration of Helsinki was developed by

A:-World Health Organisation

B:-World Medical Association

C:-Indian Medical Association

D:-Federation Dentaire Internationale

Correct Answer:- Option-B