

FINAL ANSWER KEY

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Question1:-

Quantitative assessment of the work done is better assessed in

A:-Concurrent supervision

B:-Punitive supervision

C:-Parallel supervision

D:-Consecutive supervision

Correct Answer:- Option-D

Question2:-John Graunt known as the first epidemiologist and demographer did his research in

A:-Lung cancer

B:-Cholera

C:-Mine workers

D:-Mortality

Correct Answer:- Option-D

Question3:-The guidelines laid out for making laws to establish a just society but not enforceable by court is called

A:-Preamble

B:-Fundamental Rights

C:-Directive Principles

D:-Amendments

Correct Answer:- Option-C

Question4:-Which one of the following is an example of appropriate technology ?

A:-Home based growth charts

B:-Balanced diet

C:-Computers in subcentres

D:-Natural method of family planning

Correct Answer:- Option-A

Question5:-The doctor population ratio recommended by WHO

A:-1 : 1000

B:-1 : 30000

C:-1 : 20000

D:-1 : 10000

Correct Answer:- Option-A

Question6:-

Which type of analysis has limited application in health ?

A:-Cost accounting

B:-Cost benefit

C:-Cost effectiveness

D:-Cost efficiency

Correct Answer:- Option-B

Question7:-Budgeting method which requires all expenses to be justified and approved in each budget period is

A:-Recurring budget

B:-Management by objectives

C:-Zero based budgeting

D:-Incremental budgeting

Correct Answer:- Option-C

Question8:-The average number of infections resulting from one infected person given that not everyone is susceptible

A:-Zero reproductive number

B:-Effective reproductive number

C:-Basic reproductive number

D:-Average reproductive number

Correct Answer:- Option-B

Question9:-When container index is calculated for a house the denominator is

A:-All containers in the house

B:-All containers with water in the house

C:-All containers with larva and pupa

D:-All containers with larva

Correct Answer:- Option-B

Question10:-A prevalence of susceptible in a population low enough so that the transmission cannot be sustained is

A:-Elimination

B:-Eradication

C:-Herd immunity

D:-Endemicity

Correct Answer:- Option-C

Question11:-Development of malarial parasite in the anopheline mosquito is an example of

A:-Cyclopropagative

B:-Cyclodevelopmental

C:-Propagative

D:-Developmental

Correct Answer:- Option-A

Question12:-

Soil is a reservoir for all except

A:-Coccidomycosis

B:-Anthrax

C:-Brucellosis

D:-Tetanus

Correct Answer:- Option-C

Question13:-Eschar is a sign of

A:-Tick bite

B:-Mite bite

C:-Scrub typhus

D:-All of the above

Correct Answer:- Option-B

Question14:-PHEIC (Public Health Emergency of International Concern) declared by WHO in 2016 was related to

A:-Swine flu

B:-Zika virus

C:-MERS

D:-SARS

Correct Answer:- Option-B

Question15:-

In Leptospirosis IgM antibodies appear

A:-Immediately

B:-Within three days

C:-Within a week

D:-Within 10 to 12 days

Correct Answer:- Option-C

Question16:-Which one of the following statements is not true about VDRL test ?

A:-It is used for batch testing

B:-It is a specific test for Treponema

C:-It is a screening test

D:-It is used for antenatals

Correct Answer:- Option-B

Question17:-The major mediators of acquired immunity are

A:-Mast cells

B:-Phagocytes

C:-Macrophages

D:-B and T cells

Correct Answer:- Option-D

Question18:-The ultimate desired state in planning process is termed

A:-Vision

B:-Target

C:-Objective

D:-Goal

Correct Answer:- Option-D

Question19:-In which of the following decentralised planning is not implemented ?

A:-AYUSH system

B:-Education

C:-Defence

D:-All of the above

Correct Answer:- Option-C

Question20:-The continuous scrutiny of the factors that determine the occurrence and distribution of disease and other condition of ill health

A:-Evaluation

B:-Monitoring

C:-Surveillance

D:-Supervision

Correct Answer:- Option-C

Question21:-The motivational theory which includes self actualisation is

A:-McClelland's acquired needs theory

B:-ERG theory

C:-Herzberg's dual factor theory

D:-Maslow's hierarchy of needs

Correct Answer:- Option-D

Question22:-Which one of the following is not a special incidence rate ?

A:-Effective incidence rate

B:-Food specific attack rate

C:-Secondary attack rate

D:-Hospital admission rate

Correct Answer:- Option-A

Question23:-The most common study design used to confirm the source of infection in a food poisoning outbreak

A:-Cohort

B:-Case control

C:-Descriptive

D:-All of the above

Correct Answer:- Option-B

Question24:-It is very important to identify Lepra reaction because

A:-It can cause disability

B:-It can increase the spread of the disease

C:-It may change the categorisation of the disease

D:-All of the above

Correct Answer:- Option-A

Question25:-Which one of the following is not a component of one health ?

A:-Plant health

B:-Human health

C:-Animal health

D:-Microbial health

Correct Answer:- Option-D

Question26:-Which type of lipoprotein is directly associated with coronary heart diseases ?

A:-Low density lipoprotein

B:-High density lipoprotein

C:-
Very low density lipoprotein

D:-Chylomicrons

Correct Answer:- Option-A

Question27:-Maintaining normal body weight (BMI 18.5-24.5) can cause approximate systolic pressure reduction per 10 kilogram body weight by

A:-8-14 mm of Hg

B:-2-8 mm of Hg

C:- 4-9 mm of Hg

D:-5-20 mm of Hg

Correct Answer:- Option-D

Question28:-Which of the following is the top most cancer for both sexes combined in the world ?

A:-Cancer prostate

B:-Cancer breast

C:-Cancer lung

D:-Cancer colovectum

Correct Answer:- Option-B

Question29:-WHO defines blindness if the visual acuity is less than

A:-3/60 with the best possible correction

B:-18/38 with the available correction

C:-9/60 with the best possible correction

D:-6/6 with the best possible correction

Correct Answer:- Option-A

Question30:-Which epidemiological model best explains the non communicable diseases ?

A:-Epidemiological triad

B:-Epidemiological wheel

C:-Epidemiological web

D:-None of the above

Correct Answer:- Option-C

Question31:-When non-communicable diseases are important public health problem the epidemiological transition ratio will be

A:-One

B:-Less than one

C:-More than one

D:-Zero

Correct Answer:- Option-B

Question32:-

Which of the following modes of prevention does the tracking of blood pressure fit in ?

A:-Primordial

B:-Primary

C:-Secondary

D:-Specific protection

Correct Answer:- Option-B

Question33:-

Fit India movement initiatives includes all except

A:-Fit India freedom run

B:-Age specific guidelines for physical exercise

C:-Campaign was conducted by ministry of youth affairs and sports

D:-Say no to tobacco

Correct Answer:- Option-D

Question34:-Sustainable development goal, the specific target for one third reduction in premature mortality from NCDs by year 2030 is

A:-Target 3.1

B:-Target 3.2

C:-Target 3.3

D:-Target 3.4

Correct Answer:- Option-D

Question35:-

In prevention of accidents, wearing helmet is

A:-Primordial prevention

B:-Specific protection

C:-Secondary prevention

D:-Disability limitation

Correct Answer:- Option-B

Question36:-

Haddon's matrix is used for explaining the epidemiology and prevention of

A:-Road traffic accidents

B:-Domestic violence

C:-Terrorist violence

D:-War related injuries

Correct Answer:- Option-A

Question37:-

Which of the following is not a classical lifestyle related cancer ?

A:-Oral cancer

B:-Lung cancer

C:-Cervical cancer

D:-Ovarian cancer

Correct Answer:- Option-C

Question38:-

In which of the following frequency measure the denominator is "person time" ?

A:-Cumulative incidence

B:-Incidence density

C:-Period prevalence

D:-Cumulative incidence proportion

Correct Answer:- Option-B

Question39:-

The 95% of confidence interval for RR or OR is considered statistically significant when

A:-CI does not include zero

B:-CI does not include one

C:-CI includes one

D:-CI includes zero

Correct Answer:- Option-B

Question40:-

Randomization is done for all except

A:-Eliminating selection bias

B:-Every individual get an equal chance of being allocated into study or control group

C:-Allow comparability between groups

D:-It ensures that the investigator has a control over allocation of participants

Correct Answer:- Option-D

Question41:-All are risk factor intervention trials except.

A:-The standford three community study

B:-The north kerelia project Finland

C:-Framingham study

D:-Lipid research clinic study

Correct Answer:- Option-C

Question42:-A cohort study was conducted to find out the relationship between smoking and lung cancer. A total of 400 smokers were compared against a total of 400 non-smokers. Over a period of 10 years follow up 80 smokers and 20 non-smokers develop carcinoma lung. What percentage carcinoma lung can be attributed to smoking as a risk factor ?

A:-50%

B:-75%

C:-80%

D:-25%

Correct Answer:- Option-B

Question43:-If one person dies due to some disease out of 100 persons the odds of death is

A:-1/100

B:-1/99

C:-99/100

D:-100/99

Correct Answer:- Option-B

Question44:-The following diagrams can be used for presentation of qualitative data except

A:-Bar diagram

B:-Sector diagram

C:-Picture diagram

D:-Scatter diagram

Correct Answer:- Option-D

Question45:-An ROC curve is simply a graph of

A:-Sensitivity versus specificity

B:-Sensitivity versus (1-sensitivity)

C:-Sensitivity versus (1-specificity)

D:-Specificity versus sensitivity

Correct Answer:- Option-C

Question46:-Two pathologists were asked to score the grades of dysplasia in cervical smear using a scale. Which of the following would adequately serve as measure of inter-rater reliability ?

A:-Intra class correlation coefficient

B:-Kappa statistics

C:-Chi-square test

D:-Correlation coefficient

Correct Answer:- Option-A

Question47:-All are true about type I error except

A:-Also called 2 error (Alpha error)

B:-It is probability of rejecting null hypothesis when it is true

C:-It is the level of significance

D:-It is the error of falsely stating two drugs are equal when they are different

Correct Answer:- Option-D

Question48:-Which of the following statement is/are correct about Net Protein Utilization (NPU) ?

i. NPU is defined as nitrogen retained by nitrogen consumed $\times 100$

ii. Egg has the highest NPU value

iii. 1 gram protein is equivalent to 1 gram nitrogen

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and iii

Correct Answer:- Option-B

Question49:-Dose of Vit A prophylaxis in 9-11 months old child is

A:-100,000 1u

B:-200,000 1u

C:-30,000 1u

D:-60,000 1u

Correct Answer:- Option-A

Question50:-Regarding food toxicants which of the following statement is/are correct ?

i. Epidemic dropsy is caused by a toxic alkaloid sanguinarine.

ii. Beta Oxalyl Amino Alanine (BOAA) causes liver cirrhosis.

iii. Aflatoxins of group B1 and G1 are potent hepato toxins.

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and iii

Correct Answer:- Option-D

Question51:-Regarding B group vitamins which one of the following statement is/are correct

- i. Vitamin B12 is found in foods of vegetable origin.
- ii. Pyridoxine deficiency is associated with peripheral neuritis.
- iii. Niacin deficiency results in pellagra.

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and iii

Correct Answer:- Option-A

Question52:-Limiting amino acid in pulse protein is

A:-Lysine

B:-Threonine

C:-Methionine

D:-Tryptophan

Correct Answer:- Option-C

Question53:-Regarding human milk and cow's milk which of the following statement is/are correct ?

- i. Human milk has three times as much protein as cow's milk.
- ii. Human milk contains higher percentage of Linoleic acid and oleic acid.
- iii. Human milk contains more sugar than cows milk.

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and iii

Correct Answer:- Option-A

Question54:-Regarding iodine deficiency disorder which of the following statement is/are correct ?

- i. Goitre prevalence of 10% is cut-off value for endemicity.
- ii. Monitoring done by urinary iodine excretion levels.
- iii. Exclusively found in Himalayan goitre belt.

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and iii

Correct Answer:- Option-B

Question55:-Phosphatase test in milk is done to know

A:-Contamination of milk

B:-Nutritive value

C:-Quality of pasteurization

D:-Coliform count

Correct Answer:- Option-C

Question56:-Which of the following statement is/are correct about 'Anaemia Mukht Bharat' program ?

- i. It includes adolescents and women of reproductive age (20-49 years) only.
- ii. There are six interventions.
- iii. For school going adolescent girls and boys and out of school adolescent girls weekly iron and folic acid tablets are distributed.

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii, iii)

D:-Only i and iii

Correct Answer:- Option-A

Question57:-All are examples of food fortification except.

A:-Iodisation of salt

B:-Vit. A in vanaspati

C:-Fluoridation of water

D:-Saffron colour in milk

Correct Answer:- Option-D

Question58:-Regarding hardness of water which of the following statement is/are correct ?

i. Temporary hardness is due to calcium and magnesium salts of bicarbonates.

ii. Permanent hardness is due to calcium and magnesium sulphates.

iii. Boiling removes permanent hardness.

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and iii

Correct Answer:- Option-B

Question59:-Disinfecting action of chlorine in water is mainly due to

A:-Hypochlorous acid

B:-Hydrogen chloride

C:-Hydrogen ions

D:-Hypochlorite ions

Correct Answer:- Option-A

Question60:-Horrock's apparatus is used to estimate

A:-Free chlorine

B:-Combined chlorine

C:-Free and combined chlorine

D:-Chlorine demand

Correct Answer:- Option-D

Question61:-Minimum residual chlorine level after disinfection of water should be

A:-0.2 mg/L

B:-0.5 mg/L

C:-5 mg/L

D:-3 mg/L

Correct Answer:- Option-B

Question62:-Regarding indices of thermal comfort which of the following statement is/are correct ?

- i. Cooling power takes into account air temperature, humidity and air movement.
- ii. Corrected effective temperature deals with air temperature, velocity and humidity only.
- iii. Effective temperature scale ignores radiation from surrounding.

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and iii

Correct Answer:- Option-D

Question63:-The best parameters to measure air pollution is

A:-SO₂

B:-CO

C:-N₂O

D:-CO₂

Correct Answer:- Option-A

Question64:-Recommended illumination range for satisfactory vision

A:-25-50 foot-candles

B:-60-75 foot-candles

C:-15-20 foot-candles

D:-85-100 foot-candles

Correct Answer:- Option-C

Question65:-Exposure to noise above this minimum level may rupture tympanic membrane and cause permanent loss of hearing

A:-90 dB

B:-110 dB

C:-120 dB

D:-160 dB

Correct Answer:- Option-D

Question66:-Regarding overcrowding which of the following statement is/are correct ?

- i. Overcrowding is there when 5 persons occupy in 2 rooms.
- ii. Overcrowding is considered to exist when 2 persons over 9 years of age, not husband and wife of opposite sex sleep in the same room.
- iii. Overcrowding is considered to exist when floor space for one person is 70-90 square feet.

A:-Only ii and iii

B:-
Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and ii

Correct Answer:- Option-B

Question67:-Regarding hospital waste management which of the following statement is/are correct ?

- i. Human anatomical waste are segregated in yellow bag.
- ii. Waste sharps should be segregated in white translucent puncture proof container.
- iii. Intravenous tubes and sets are segregated in red bag.

A:-Only ii and iii

B:-Only i and ii

C:-
All of the above (i, ii and iii)

D:-

Only i and iii

Correct Answer:- Option-C

Question68:-Periodic examination of factory worker is a type of

A:-Primary prevention

B:-Primordial prevention

C:-Secondary prevention

D:-Tertiary prevention

Correct Answer:- Option-C

Question69:-Which of the following statement is/are correct about lead poisoning ?

- i. Greatest source is drinking water from lead pipes.
- ii. A useful screening test is coproporphyrin in urine
- iii. Basophilic stippling of RBC is a sensitive parameter.

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and iii

Correct Answer:- Option-A

Question70:-The size limit of respirable dust responsible for pneumoconiosis

A:-< 1 micron

B:-< 5 micron

C:-< 10 micron

D:-< 50 micron

Correct Answer:- Option-B

Question71:-Which of the following statement is/are correct about Employee State Insurance Scheme (ESI Scheme) ?

- i. The union minister for labour is the Chairman.
- ii. In areas where employees are less than 750 mobile dispensaries are established.
- iii. In areas having concentration of 1000 or more employees' family units service

dispensaries are established.

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and iii

Correct Answer:- Option-D

Question72:-Which of the following statement is/are correct about Factories Act ?

i. Act prohibits employment of children below the age of 14 years.

ii. Women cannot be employed in all types of work.

iii. Adolescents aged 15-18 years can work between 7 pm to 6 am.

A:-Only ii and iii

B:-Only i and ii

C:-All of the above (i, ii and iii)

D:-Only i and iii

Correct Answer:- Option-B

Question73:-All are components of National Mental Health Programme except.

A:-Upgrading of PHC

B:-District Mental Health Programme

C:-Upgradation of psychiatric wings of Government Medical College

D:-Modernisation of Government Mental Hospitals

Correct Answer:- Option-A

Question74:-All are true about WHO except

A:-Was founded in 1948 as nodal agency that connects nations, partners and people to promote health.

B:-WHO's only financing is from voluntary contribution from NGOs world over

C:-Working with 194 member states across 6 regions

D:-Geneva is the head quarters

Correct Answer:- Option-B

Question75:-All are true about one health except

A:-It is the tripartite organizations of the food and agriculture organization of the United Nations (FAO), the World Health Organization (WHO) and World Organisation for Animal Health (WOAH)

B:-It is the quadripartite of the FAO, WHO, World Organisation for Animal Health (WOAH) and UNEP(United Nations Environment Programme)

C:-One Health is a holistic and systems-based approach that recognizes the interconnection between the health of humans, animals, plants and the environment.

D:-Food safety strategies and curbing AMR (Anti-Microbial Resistance) are its components

Correct Answer:- Option-A

Question76:-Cardinal principles of medical ethics are all except.

A:-Autonomy

B:-Beneficence and non-maleficence

C:-Justice

D:-No conflict of interest

Correct Answer:- Option-D

Question77:-The back bone of all MCH services

A:-Risk approach

B:-Antenatal visits

C:-Home visits

D:-Prenatal advice

Correct Answer:- Option-C

Question78:-Exclusive Breast-Feeding means

A:-feeding the infant only breast milk for the first 6 months of age

B:-starting weaning food along with breast milk from 4 months of age

C:-feeding the infant only breast milk for the first 6 months of age, introduction of complementary foods at 6 months while continuing breast feeding up to the age of 2 yrs or beyond

D:-starting weaning food along with breast milk from 4 months of age and continuing other food till 2 yrs of age

Correct Answer:- Option-C

Question79:-Micronutrient malnutrition is a group of conditions caused by deficiency of all of the following except

A:-Vitamin A

B:-Calcium

C:-Protein

D:-Iron and zinc

Correct Answer:- Option-C

Question80:-Following are the “three delays” of maternal and child death.

A:-delay in deciding to seek care

B:-delay in immunizing the mother and child

C:-delay in reaching appropriate health facility

D:-delay in receiving quality care once inside an institution

Correct Answer:- Option-B

Question81:-All are true about Rashtriya Bal Swasthya Karyakram (RBSK) except

A:-it covers children from birth to 18yrs

B:-it includes defect at birth, deficiencies, diseases and development delay

C:-0-6 yrs children are managed at District Early Intervention Center

D:-cost of treatment should beared by the family

Correct Answer:- Option-D

Question82:-Scheme for combat trafficking of children is

A:-Sabla

B:-Ujjawala

C:-Nirmal

D:-Kishori

Correct Answer:- Option-B

Question83:-Most prevalent mental health problem in India

A:-tobacco use disorder

B:-alcohol use disorder

C:-depressive disorder

D:-suicidal problem

Correct Answer:- Option-A

Question84:-Hidden hunger is

A:-Micronutrient deficiency

B:-Macronutrient deficiency

C:-Chromosomal deficiency

D:-Enzyme deficiency

Correct Answer:- Option-A

Question85:-The following three are used to calculate Global Hunger Index except

A:-proportion of undernourished population

B:-proportion of undernourished pregnant women

C:-proportion of under five children who are underweight

D:-mortality rate of under five

Correct Answer:- Option-B

Question86:-Human poverty index include all except

A:-underweight

B:-knowledge

C:-longevity

D:-decent standard of living

Correct Answer:- Option-A

Question87:-Which is largest insurance scheme with a cover Rs. 5,00,000 per family per year ?

A:-National Pension Scheme

B:-Ayushman Bharat

C:-Pradhan Mantri Jan Dhan Yojana

D:-Atal Pension Yojana

Correct Answer:- Option-B

Question88:-The method which is generally more effective in changing human behaviour is

A:-Counselling

B:-Focus group discussion

C:-Mass media

D:-A series of lectures

Correct Answer:- Option-A

Question89:-The most important objective of health education is to

A:-inform individuals

B:-change attitudes

C:-bring about behavioral change

D:-all of the above

Correct Answer:- Option-C

Question90:-Kuppuswamy's socioeconomic status scale is based on the following except

A:-education

B:-occupation

C:-housing

D:-income

Correct Answer:- Option-C

Question91:-Which type of disorder is Thalassemia ?

A:-autosomal dominant

B:-autosomal recessive

C:-xlinked recessive

D:-xlinked dominant

Correct Answer:- Option-B

Question92:-In elderly hearing loss occurs due to

A:-conductive deafness

B:-sensorineural deafness

C:-degenerative changes in temporal cortex

D:-none of the above

Correct Answer:- Option-B

Question93:-Which of the following State in India has largest tribal population ?

A:-Maharashtra

B:-Odisha

C:-Jharkhand

D:-Madhya Pradesh

Correct Answer:- Option-D

Question94:-Sex ratio among tribal population in India is

A:-worse than national average

B:-better than national average

C:-same as national ratio

D:-not known

Correct Answer:- Option-B

Question95:-In which year latest international health regulations came into effect ?

A:-1969

B:-2019

C:-1970

D:-2005

Correct Answer:- Option-D

Question96:-Which of the following disease is not under international surveillance ?

A:-malaria

B:-influenza

C:-poliomyelitis

D:-small pox

Correct Answer:- Option-A

Question97:-Which of the following is a strategy specific for containment ?

A:-quarantine

B:-isolation

C:-active surveillance

D:-curfew

Correct Answer:- Option-A

Question98:-International definition of poverty is

A:-< 1 US dollars per head per day

B:-< 1.9 US dollars per head per day

C:-> 2 US dollars per head per day

D:-2 US dollars per head per day

Correct Answer:- Option-B

Question99:-Analysis which measure both inputs and outcomes in terms of money for making comparison between two different strategies is called

A:-cost benefit analysis

B:-cost effective analysis

C:-input output analysis

D:-cost minimization analysis

Correct Answer:- Option-A

Question100:-In our country birth and death should be registered within

A:-7 days

B:-14 days

C:-21 days

D:-28 days

Correct Answer:- Option-C