

**PROVISIONAL ANSWER KEY**

Paper: First Aid Personal Hygiene and General Sanitation (Paper IV)  
Date of Test 09-05-2022

Question1:-Aim of Swachh Bharat Mission is to

- A:-Eradicate poverty by 2019
- B:-Eradicate open defecation by 2019
- C:-Eradicate poverty by 2018
- D:-Eradicate mosquito borne diseases by 2019

Correct Answer:- Option-B

Question2:-World Toilet Day is celebrated on

- A:-April 7th
- B:-Nov. 19th
- C:-June 5th
- D:-Dec 1st

Correct Answer:- Option-B

Question3:-"Hygeia" is considered as all except

- A:-Goddess of good health
- B:-Goddess of cleanliness
- C:-Goddess of sanitation
- D:-Goddess of recuperation from illness

Correct Answer:- Option-D

Question4:-Minimum time that should be spend on hand washing

- A:-10 seconds
- B:-1 minute
- C:-15-30 seconds
- D:-40 seconds

Correct Answer:- Option-B

Question5:-Microorganisms in milk is tested indirectly by

- A:-Methylene blue reduction test
- B:-Ortho-toludine test
- C:-Aldehyde test
- D:-Orthotoludine arsenite test

Correct Answer:- Option-A

Question6:-Swamp gas is

- A:-Carbon dioxide
- B:-Methane
- C:-Nitrous oxide
- D:-Chlorofluorocarbons

Correct Answer:- Option-B

Question7:-The depth of water seal in sanitary latrine is

- A:-2 cm
- B:-20 cm
- C:-20 inches
- D:-2 inches

Correct Answer:- Option-A

Question8:-The percentage of non hazardous bio medical waste generated in a hospital is

- A:-85%
- B:-50%
- C:-25%
- D:-15%

Correct Answer:- Option-A

Question9:-The minimum floor area required for a person in a house should be

- A:-100 sqft
- B:-200 sqft
- C:-250 sqft
- D:-50 sqft

Correct Answer:- Option-A

Question10:-Guinea worm disease was a health problem where there were

- A:-Dug well
- B:-Artesian well
- C:-Tube well
- D:-Step well

Correct Answer:- Option-D

Question11:-All are milk pasteurization method except

- A:-Holder method
- B:-HTST method
- C:-UHT method
- D:-Ozonisation method

Correct Answer:- Option-D

Question12:-Food standards in Indian are based on

- A:-PFA standards
- B:-Standards of Codex Alimentarius
- C:-The Agmark Standards
- D:-Bureau of Indian Standards

Correct Answer:- Option-B

Question13:-Air velocity is measured by

- A:-Anemometer
- B:-Psychomotor
- C:-Globe thermometer
- D:-Stevenson screen

Correct Answer:- Option-A

Question14:-Salt concentration of sea water is

- A:-1.5%

B:-2%  
C:-3.5%  
D:-5%

Correct Answer:- Option-C

Question15:-The vital layer of slow sand filter is also known as

A:-Superficial layer  
B:-Sand bed layer  
C:-Schmutzdecke  
D:-Chemical layer

Correct Answer:- Option-C

Question16:-The disinfecting action of chlorine is mainly due to

A:-Chloride ions  
B:-Hypochlorous acid  
C:-Chloride atom  
D:-Hydrochloric acid

Correct Answer:- Option-B

Question17:-Action of chlorine is maximum when the PH of water is around

A:-8.5  
B:-6  
C:-7  
D:-9

Correct Answer:- Option-C

Question18:-Normal dose of chlorine does not affect

A:-salmonella  
B:-polio  
C:-Shigella  
D:-HIV

Correct Answer:- Option-B

Question19:-Septic tank has

A:-Anaerobic digestion  
B:-Aerobic oxidation  
C:-Both  
D:-None

Correct Answer:- Option-C

Question20:-Efficiency of pasteurization is checked by all except

A:-Phosphatase test  
B:-Standard plate test  
C:-Coliform count  
D:-Orthotoludine test

Correct Answer:- Option-D

Question21:-Globe thermometer is used to measure

A:-Ambient temp  
B:-Air velocity  
C:-Relative humidity  
D:-Radiant heat

Correct Answer:- Option-D

Question22:-A good sun screen ointment should have a sun protection factor (SPF)

A:-10  
B:-15  
C:-20  
D:-25

Correct Answer:- Option-B

Question23:-Acclimatization to heat takes

A:-2-6 days  
B:-6-10 days  
C:-10-14 days  
D:-14-18 days

Correct Answer:- Option-C

Question24:-The rectal temp of normal healthy human is

A:-36 to 36.5°C  
B:-36.5 to 37°C  
C:-37 to 37.5°C  
D:-37.5 to 38°C

Correct Answer:- Option-C

Question25:-Which of the following is considered as adequate water supply per head/day in urban area

A:-50-100 L  
B:-100-150 L  
C:-150-200 L  
D:-200-250 L

Correct Answer:- Option-B

Question26:-Which one of the following is not a water borne disease?

A:-Giardiasis  
B:-Round worm infestation  
C:-Kala-azar  
D:-Polio

Correct Answer:- Option-C

Question27:-The minimum space required for a person in a house should be (in Cu feet)

A:-100  
B:-200  
C:-250  
D:-500

Correct Answer:- Option-D

Question28:-In a house window area should be

A:-1/5th of floor area

B:-2/5th of floor area

C:-1/3rd of floor area

D:-1/2 of floor area

Correct Answer:- Option-A

Question29:-The recommended number of air changes in living room should be

A:-1-2 per hour

B:-2-3 per hour

C:-3-4 per hour

D:-4-5 per hour

Correct Answer:- Option-B

Question30:-Bhopal gas tragedy of 1984 was due to a toxic chemical called

A:-Methyl cyanide

B:-Methyl isocyanate

C:-Methyl isochloride

D:-Methyl sulphate

Correct Answer:- Option-B

Question31:-The main green house gas which is largely contributing to Global warming is?

A:-Carbondioxide

B:-Methane

C:-Nitrous oxide

D:-Fluorocarbons

Correct Answer:- Option-A

Question32:-Kyoto protocol is an international agreement which deals with?

A:-Radioactive pollution

B:-Soil pollution

C:-Emission of green house gases

D:-Noise pollution

Correct Answer:- Option-C

Question33:-Soiling index is an index to measure

A:-Radioactive pollution

B:-Soil pollution

C:-Air pollution

D:-Water pollution

Correct Answer:- Option-C

Question34:-The Chernobyl nuclear reactor plant accident occurred in the year

A:-1982

B:-1986

C:-1989

D:-1990

Correct Answer:- Option-B

Question35:-The daily requirement of water for drinking purpose

A:-2.5 lit/head

B:-5 lit/head

C:-1 lit/head

D:-3 lit/head

Correct Answer:- Option-A

Question36:-World environment day is celebrated on

A:-7th April

B:-5th June

C:-11th July

D:-1st Dec

Correct Answer:- Option-B

Question37:-What is the sequence of steps to be followed in a cardiac emergency?

A:-Airway-breathing-circulation

B:-Breathing-airway-circulation

C:-Circulation-breathing-airway

D:-Circulation-airway-breathing

Correct Answer:- Option-D

Question38:-What is the ratio of chest compression to rescue breaths to be given during CPR (Cardiopulmonary Resuscitation) in an adult

A:-15:1

B:-30:2

C:-25:1

D:-15:2

Correct Answer:- Option-B

Question39:-What is the depth of compression while doing CPR (Cardiopulmonary Resuscitation)

A:-3.5 cm

B:-4 cm

C:-4.5 cm

D:-5 cm

Correct Answer:- Option-D

Question40:-What is the rate of compression in CPR (cardiopulmonary resuscitation)?

A:-100-120/minute

B:-90-100/minute

C:-70-90/minute

D:-60-70/minute

Correct Answer:- Option-A

Question41:-Who is considered as father of climatic change?

A:-Jean Baptiste Fourier

B:-Thomas Chamberlin

C:-G S Callender

D:-Svante Arrhenius

Correct Answer:- Option-D

Question42:-What is paleoclimatology?

A:-Study of climate and living species

- B:-Study of weather
- C:-Study of fossils
- D:-Study of climate changes

Correct Answer:- Option-D

Question43:-The day-to-day state at atmosphere in a region is called

- A:-Weather
- B:-Climate
- C:-Meteorology
- D:-Season

Correct Answer:- Option-A

Question44:-The insecticidal property of DDT was first discovered by

- A:-Ziedler
- B:-Paul Muller
- C:-Michael Faraday
- D:-Ronald Ross

Correct Answer:- Option-B

Question45:-Which country boycotted kyoto protocol after agreeing?

- A:-USA
- B:-UK
- C:-India
- D:-Brazil

Correct Answer:- Option-A

Question46:-Xenopsylla cheopis index more than 1 is indicated of

- A:-Outbreak of tetanus
- B:-Outbreak of plague
- C:-Outbreak of dengue fever
- D:-Outbreak of chikungunya fever

Correct Answer:- Option-B

Question47:-Sleeping sickness is caused by

- A:-Black fly
- B:-Rat flea
- C:-Tsetse fly
- D:-Lice

Correct Answer:- Option-C

Question48:-Pathogens undergo multiplication and development inside the body of vector is called

- A:-Cyclodevelopmental
- B:-Propagative
- C:-Cyclopropagative
- D:-Mechanical

Correct Answer:- Option-C

Question49:-The method of burning waste in a simple kiln at very high temperature is

- A:-Incineration
- B:-Inertization
- C:-Composting
- D:-Autoclaving

Correct Answer:- Option-A

Question50:-For survival of a patient who sustained traumatic injury, first one hour is very important. It is called

- A:-Blue hour
- B:-Golden hour
- C:-Platinum hour
- D:-Red hour

Correct Answer:- Option-B

Question51:-First aid treatment of choking is

- A:-Epley's maneuver
- B:-Valsava maneuver
- C:-Heimlich maneuver
- D:-Jendrassilc maneuver

Correct Answer:- Option-C

Question52:-The discovery of ozone hole in Antarctic, resulted in Nobel Prize for all except

- A:-Paul J Crutzen
- B:-Mario Molina
- C:-Sherwood Rowland
- D:-Milutin Milankovitch

Correct Answer:- Option-D

Question53:-Headquarters of United Nations Environment programme is

- A:-Paris
- B:-India
- C:-New York
- D:-Nairobi

Correct Answer:- Option-D

Question54:-All are correct about Nirmal Bharat Abhiyan except

- A:-Launched in 2014
- B:-Is to provide sanitary facilities to entire people
- C:-Earlier known as total sanitation campaign
- D:-Aims Nirmal Grams

Correct Answer:- Option-A

Question55:-A problem village is all except

- A:-Water is exposed to risk of cholera
- B:-Water at a distance of 1.6 kilometers
- C:-Water is available at a depth of more than 10 metres
- D:-Water has excess iron and heavy metals

Correct Answer:- Option-C

Question56:-Sanitary latrine should be located \_\_\_\_\_ away from source of water supply

- A:-15 m

B:-50 m  
C:-50 cm  
D:-15 cm

Correct Answer:- Option-A

Question57:-All are correct for oxidation pond except

A:-There is presence of algae  
B:-Sunlight  
C:-Bacteria  
D:-It has concrete cover

Correct Answer:- Option-D

Question58:-Chemical oxygen demand measure

A:-Oxygen content  
B:-Algae content  
C:-Bacteria content  
D:-Fertilizer content

Correct Answer:- Option-A

Question59:-All are true about biological oxygen demand except

A:-Most important test on sewage  
B:-It take 5 days for the test  
C:-Temperature should be 20°C  
D:-Value range between 300-400 mg/L

Correct Answer:- Option-D

Question60:-Primary treatment of sewage include all except

A:-Screening  
B:-Grit chamber  
C:-Trickling filter  
D:-Primary sedimentation

Correct Answer:- Option-C

Question61:-The modern method of sewage purification is

A:-Trickling filter  
B:-Activated sludge process  
C:-Sludge digestion chamber  
D:-Grit chamber

Correct Answer:- Option-B

Question62:-All are different names of oxidation pond except

A:-Waste stabilization pond  
B:-Redox pond  
C:-Sewage lagoon  
D:-Algae pond

Correct Answer:- Option-D

Question63:-Ideal sanitary latrine for fair or mela

A:-Shallow trench latrine  
B:-Deep trench latrine  
C:-Septic tank  
D:-Bore hole latrine

Correct Answer:- Option-A

Question64:-For an army camp it is ideal to construct

A:-Shallow trench latrine  
B:-Bore hole latrine  
C:-Deep trench latrine  
D:-RCA latrine

Correct Answer:- Option-C

Question65:-All are present in chemical closet except

A:-Akali  
B:-Phenol  
C:-Oil  
D:-Bleaching powder

Correct Answer:- Option-D

Question66:-Peelings of vegetables and food waste included in

A:-Rubbish  
B:-Garbage  
C:-Street refuses  
D:-Sullage

Correct Answer:- Option-B

Question67:-Rubbish include all except

A:-Papers  
B:-Clothes  
C:-Metal  
D:-Chemicals

Correct Answer:- Option-D

Question68:-All are different sanitary landfill method except

A:-Trench method  
B:-Ramp method  
C:-Area method  
D:-Dump method

Correct Answer:- Option-D

Question69:-All are names of biological method of composting except

A:-Aerobic method  
B:-Hot fermentation method  
C:-Bangalore method  
D:-Anaerobic method

Correct Answer:- Option-A

Question70:-Ideal method of solid waste disposal in a rural area is

A:-Burial

- B:-Manure pit
- C:-Composting
- D:-Incineration

Correct Answer:- Option-B

Question71:-Normal human audio frequency is

- A:-20-2000 Hz
- B:-20-20000Hz
- C:-20-200Hz
- D:-200-2000Hz

Correct Answer:- Option-B

Question72:-The amount of energy absorbed in 1 mL of air is

- A:-Rad
- B:-Rem
- C:-Roentgen
- D:-Hertz

Correct Answer:- Option-C

Question73:-Unit of radioactive disintegrations per second is

- A:-Curie
- B:-Gray
- C:-Joule
- D:-Coulomb

Correct Answer:- Option-A

Question74:-All are effects of air pollution except

- A:-Acid rain
- B:-Global warming
- C:-Ozone shield depletion
- D:-Wind

Correct Answer:- Option-D

Question75:-The bleaching powder required to disinfect 1000 litres of water is

- A:-1.5 gm
- B:-2.5 gm
- C:-3.5 gm
- D:-5gm

Correct Answer:- Option-B

Question76:-The Instrument used to find chlorine demand of water is

- A:-Barometer
- B:-Kata thermometer
- C:-Horrock's apparatus
- D:-Hygrometer

Correct Answer:- Option-C

Question77:-The minimum free residual chlorine drinking purpose is

- A:-0.5 ppm
- B:-2.5 ppm
- C:-5 ppm
- D:-1.5 ppm

Correct Answer:- Option-A

Question78:-Time required for the chlorine to disinfect the water is

- A:-2 hour
- B:-3 hour
- C:-1 hour
- D:-1/2 hour

Correct Answer:- Option-C

Question79:-Fecal contamination of water is indicated by all except

- A:-Fecal Streptococci
- B:-Clostridium perfringens
- C:-E.coli
- D:-Klebsiella aerogenes

Correct Answer:- Option-D

Question80:-Satisfactory water is

- A:-No coliform in 100cc of water
- B:-1-3 coliform in 100cc water
- C:-4-10 coliform in 100cc of water
- D:-more than 10 coliform in 100cc of water

Correct Answer:- Option-B

Question81:-World water day is celebrated on

- A:-22nd March
- B:-23rd March
- C:-22nd April
- D:-16th September

Correct Answer:- Option-A

Question82:-Purest water in nature is

- A:-Rain
- B:-Pond
- C:-Lake
- D:-Spring

Correct Answer:- Option-A

Question83:-What should be done immediately on taking a child to land after drowning

- A:-Make him lie on one side and apply pressure on abdomen
- B:-Lie Straight and apply pressure on abdomen
- C:-Hold him upside down and apply pressure on abdomen
- D:-Lie him face down and apply pressure on abdomen

Correct Answer:- Option-A

Question84:-What is the immediate thing to be done in case of dog bite

- A:-Apply turmeric

- B:-Wash with soap and water
- C:-Tie the wound tightly
- D:-Suture the wound

Correct Answer:- Option-B

Question85:-What should be done if a foreign body gets into your child's ear

- A:-Pour warm oil into ear
- B:-Pour salt water into ear
- C:-Rush to hospital
- D:-Try to take it with an ear bud

Correct Answer:- Option-C

Question86:-A first aider should have all except

- A:-Knowledge
- B:-Attitude
- C:-Self confidence
- D:-Physical Strength

Correct Answer:- Option-D

Question87:-Heat stroke is a triad of all except

- A:-Hyperpyrexia
- B:-Central nervous system dysfunction
- C:-Anhidrosis
- D:-Headache

Correct Answer:- Option-D

Question88:-Waste water from kitchen and bath room is

- A:-Sullage
- B:-Garbage
- C:-Sludge
- D:-Litter

Correct Answer:- Option-A

Question89:-Endemic fluorosis can occur when fluorine is

- A:->0.5-0.8 mg/L
- B:->3-5 mg/L
- C:-<0.5-0.8 mg/L
- D:-<3-5 mg/L

Correct Answer:- Option-B

Question90:-October 15th is celebrated as

- A:-Menstrual Hygiene day
- B:-Global hand washing day
- C:-World water day
- D:-World sanitation day

Correct Answer:- Option-B

Question91:-"Our Hands, Our Future was the theme of this year's

- A:-World Environment day
- B:-World health day
- C:-Global hand washing day
- D:-Global earth day

Correct Answer:- Option-C

Question92:-All about El Nino is correct except

- A:-It is due to warmer ocean temperatures resulting from global warming
- B:-It means in Spanish "the little boy"
- C:-It was named by Mexican fisherman
- D:-It means "little girl" in Spanish

Correct Answer:- Option-D

Question93:-When sea surface temperature in tropical pacific drop below normal

- A:-El Nino
- B:-Katrina
- C:-La Nina
- D:-Okhi

Correct Answer:- Option-C

Question94:-Loosing of nutrients from rice is prevented by

- A:-Parboiling
- B:-Puffing
- C:-Sprouting
- D:-Fermenting

Correct Answer:- Option-A

Question95:-Hidden hunger is

- A:-Protein malnutrition
- B:-Energy malnutrition
- C:-Vitamin B6 deficiency
- D:-Micronutrient deficiency

Correct Answer:- Option-D

Question96:-National deworming day is on

- A:-Nov 1st
- B:-Feb 10th
- C:-Aug 10th
- D:-Dec 1st

Correct Answer:- Option-B

Question97:-Aeration tank is heart of

- A:-Tricking filter
- B:-Activated sludge process
- C:-Oxidation pond
- D:-Sewage farming

Correct Answer:- Option-B

Question98:-Normal conversation produces a noise of

- A:->85Db

B:-20-30 Db

C:-60-65 dB

D:-60-80 Db

Correct Answer:- Option-C

Question99:-All are indicators of air pollution except

A:-Sulphur dioxide

B:-Air pollution index

C:-Soiling index

D:-Carbon dioxide

Correct Answer:- Option-D

Question100:-Under PFA Act at consumer level, iodine content of salt should be

A:-30 ppm

B:-15 ppm

C:-50 ppm

D:-10 ppm

Correct Answer:- Option-B