National Testing Agency

Question Paper Name:	PUBLIC HEALTH 27th May 2019 Shift 2 SET 1
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PUBLIC HEALTH

Group Number :	1
Group Id :	12820618
Group Maximum Duration :	0
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Revisit allowed for edit? :	No
Break time:	0
Group Marks:	100

PART A

Section Id :	12820633
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	40
Number of Questions to be attempted:	40
Section Marks:	100
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	12820644
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 128206909 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 0

A standard Normal or Gaussian curve is smooth bell-shaped, perfectly symmetrical curve which covers 100% of the population, has a mean of zero, and a standard deviation of 1. The curve from Mean-1 Standard deviation to Mean+1 Standard deviation covers 68.3% of the population. Based on this understanding, answer the following two questions:

If the median of a sample is 5 and standard deviation is 2, what would be the range covering 68.3% of the sample?

A. 3-7

B. 5-7

C. 3-5

D. 1-9

Options :

1282063601. A

1282063602. B

1282063603. C

1282063604. D

Question Number : 2 Question Id : 128206910 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 0

A standard Normal or Gaussian curve is smooth bell-shaped, perfectly symmetrical curve which covers 100% of the population, has a mean of zero, and a standard deviation of 1. The curve from Mean-1 Standard deviation to Mean+1 Standard deviation covers 68.3% of the population. Based on this understanding, answer the following two questions:

What would be the population covered be if the range is Mean-2Standard deviation to Mean+2 Standard deviation?

A. 95.4%

B. 99.7%

C. 98.5%

D. 100%

Options :

1282063605. A

1282063606. B

1282063607. C

1282063608. D

Question Number : 3 Question Id : 128206911 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 0

According to the eco-social perspective on health, ecological interactions of the human beings and their environment lead to adaptations for health, mediated by the social and cultural structures created by human societies. Rene Dubos has defined health thus: "Health implies the relative absence of pain and discomfort and a continuous adaptation and adjustment to the environment to ensure optimal function." According to this understanding:

A. Adaptations for health are both biological and socio-cultural

B. Disease is a state of maladjustment of humans with the environment

C. A healthy population requires a healthy environment and the capacity to adjust and adapt

D. All the above

Options :

1282063609. A

1282063610. B

1282063611. C

1282063612. D

Question Number : 4 Question Id : 128206912 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 0

Planning and evaluation must be viewed as a continuous interactive process, leading to continual modification both of objectives and plans of a programme. For such a planning and evaluation cycle, which of the following is NOT necessary to assess:

A. Relevance of the programme

B. Effectiveness of the programme

C. Efficiency of the programme

D. International acceptance of the programme

Options :

1282063613. A

1282063614. B

1282063615. C

1282063616. D

Question Number : 5 Question Id : 128206913 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 0

Assessment of Xerophthalmia as a public health problem entails screening of young children. The intervention entails Vitamin A supplementation. Which of the following is the correct combination?

A. At risk population: 0 to 72 months; supplementation done in the age group of: 6 to 60 months

B. At risk population: 6 to 72 months; supplementation done in the age group of: 0 to 72 months

C. At risk population: 6 to 72 months; supplementation done in the age group of: 6 to 60 months

D. At risk population: 0 to 72 months; supplementation done in the age group of: 0 to 60 months

Options :

1282063617. A

1282063618. B

1282063619. C

1282063620. D

Question Number : 6 Question Id : 128206914 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 0

Assertion (A): Anthrax is a potential bioterrorism agent

Reason (R): Anthrax can be transmitted through the intact skin

A. Both A and R are correct and R is the right explanation for A

B. Both A and R are correct but R is not the right explanation for A

C. A is true but R is false

D. Both A and R are false

Options :

1282063621. A

1282063622. B

1282063623. C

1282063624. D

Question Number : 7 Question Id : 128206915 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 0

A patient is under treatment in RNTCP. She was initially sputum smear positive, completed treatment and remained sputum positive at the end of the continuation phase. She is a case of:

A. Failure

B. Defaulter

C. Relapse

D. Reinfection

Options :

1282063625. A

1282063626. B

1282063627. C

1282063628. D

Question Number : 8 Question Id : 128206916 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 0

Consider the following statements:

The term 'disease control' describes ongoing operations aimed at reducing the

1. Incidence of disease

2. Financial burden to the community

3. Effects of infection including both physical and psychological complications

4. Duration of disease and its transmission

A. 1, 2 and 3 are correct

B. 1, 3 and 4 are correct

C. 1, 2, 3 and 4 are correct

D. 1, 2 and 4 are correct

Options :

1282063629. A

1282063630. B

1282063631. C

1282063632. D

Question Number : 9 Question Id : 128206917 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 0

Spot the wrongly matched pair of arthropod and disease transmitted:

A. Housefly – Diarrohea

B. Louse – Epidemic typhus

C. Itch mite – Scabies

D. Black fly – Chagas Disease

Options :

1282063633. A

1282063634. B

1282063635. C

1282063636. D

Question Number : 10 Question Id : 128206918 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 4 Wrong Marks : 0

Match list A with List B

List A	List B
A. Shrivastava Committee	1. Malaria workers to look after FP work too
B. Chadah Committee	2. Integration of health services
C. Kartar Singh Committee	3. Led to creation of Village Health Guides
D. Jungalwallah Committee	4. Led to creation of MPW

A. A3; B4; C1; D2

B. A3; B1; C4; D2

C. A2; B1; C4; D3

D. A2; B4; C1; D3

Options :

1282063637. A

1282063638. B

1282063639. C

1282063640. D

Sub-Section Number:	2
Sub-Section Id:	12820645
Question Shuffling Allowed :	Yes

Question Number : 11 Question Id : 128206919 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Epidemiology is the study of:

A. Health management

B. Health related states and events

C. Health policy

D. Health financing

Options :

1282063641. A

1282063642. B

1282063643. C

1282063644. D

Question Number : 12 Question Id : 128206920 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In city A, 500 deaths occurred due to accidents in a year. This denotes:

A. A rate

B. A ratio

C. A proportion

D. An absolute number

Options :

1282063645. A

1282063646. B

1282063647. C

1282063648. D

Question Number : 13 Question Id : 128206921 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

'Secular trends' of a disease refers to:

A. Fashions of the day in treating the disease

B. Long term changes in occurrence of the disease in a population

C. Fashions of a specific sub-group of the population leading to the disease

D. Changes in disease occurrence in a population over one year

Options :

1282063649. A

1282063650. B

1282063651. C

1282063652. D

Question Number : 14 Question Id : 128206922 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A typical case control study can NOT tell us about:

A. Probable causal factors of a disease

B. Incidence rate of a disease

C. Odds ratio of a risk factor for a disease

D. Risk factors related to a rare disease

Options :

1282063653. A

1282063654. B

1282063655. C

1282063656. D

Question Number : 15 Question Id : 128206923 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Operations Research refers to:

A. Surgical procedures provided through camp approach

B. Studies to improve implementation of a public health programme

C. Studies to test effectiveness of a surgical procedure

D. Studies of causal factors of ill-health in a population

Options :

1282063657. A

1282063658. B

1282063659. C

1282063660. D

Question Number : 16 Question Id : 128206924 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

A Simple Random Sample is selected by:

A. Picking every 5th unit at regular intervals

B. Dividing the sample into strata and then selecting every 5th unit in each strata

C. Numbering all units and picking a lottery among them

D. Selecting from the universe whoever is ready to be part of the sample

Options :

1282063661. A

1282063662. B

1282063663. C

1282063664. D

Question Number : 17 Question Id : 128206925 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The STEPS approach is a simple, standardized method for collecting, analysing and disseminating data for which of the following:

A. Surveillance of NCD risk factors

B. Ebola infection

C. HIV-TB co-infection

D. Mortality of NCDs

Options :

1282063665. A

1282063666. B

1282063667. C

1282063668. D

Question Number : 18 Question Id : 128206926 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The commonest substance abuse in India is:

A. Alcohol

B. Cannabis

C. Opioids

D. Tobacco

Options :

1282063669. A

1282063670. B

1282063671. C

1282063672. D

Question Number : 19 Question Id : 128206927 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Pap smear for screening of cancer cervix should be undertaken at a frequency of every:

A. 5 years

B. 3 years

C. 2 years

D. 1 year

Options :

1282063673. A

1282063674. B

1282063675. C

1282063676. D

Question Number : 20 Question Id : 128206928 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Metabolic syndrome includes all of the following criteria except:

A. WHR>0.9 for males or > 0.85 for females

B. Albumin excretion <20microgram

C. Low levels of HDL cholesterol: <40 mg/dL in males or <50 mg/dL in females

D. Elevated blood pressure levels: ≥140 mm Hg SBP or ≥90 mm Hg DBP

Options :

1282063677. A

1282063678. B

1282063679. C

1282063680. D

Question Number : 21 Question Id : 128206929 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Recommended drug for chemoprophylaxis against H5N1 influenza is:

A. Zanamivir

B. Amantatidine

C. Rimantidine

D. Osletamivir

Options :

1282063681. A

1282063682. B

1282063683. C

1282063684. D

Question Number : 22 Question Id : 128206930 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Intermediate host for hydatid disease is:

A. Man

B. Dog

C. Cat

D. Bat

Options :

1282063685. A

1282063686. B

1282063687. C

1282063688. D

Question Number : 23 Question Id : 128206931 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which is the correct statement regarding leptospirosis?

A. Fluroquinolones are the drug of choice

B. Rats are the only reservoirs

C. Person to person transmission is possible but rare

D. Hepatorenal syndrome occurs in half the cases

Options :

1282063689. A

1282063690. B

1282063691. C

1282063692. D

Question Number : 24 Question Id : 128206932 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Which of the following is a class III exposure to rabies?

A. Licks on intact skin by a dog

B. Bites by wild animals

C. Bites on legs by a dog

D. Drinking unboiled milk of a suspect animal

Options :

1282063693. A

1282063694. B

1282063695. C

1282063696. D

Question Number : 25 Question Id : 128206933 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Most common clinical presentation of tetanus:

A. Localised tetanus

B. Generalised tetanus

C. Cephalic tetanus

D. Neonatal tetanus

Options :

1282063697. A

1282063698. B

1282063699. C

1282063700. D

Question Number : 26 Question Id : 128206934 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The diagnostic criteria for Severe Acute Malnutrition (SAM) includes:

A. WFH < minus 3 SD

B. MUAC < 115 mm

C. Bilateral pedal oedema

D. All of the above

Options :

1282063701. A

1282063702. B

1282063703. C

1282063704. D

Question Number : 27 Question Id : 128206935 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

The type of food poisoning with the highest case fatality is:

A. Salmonella food poisoning

B. Botulism

C. Staphylococcal food poisoning

D. Clostridium perfringens food poisoning

Options :

1282063705. A

1282063706. B

1282063707. C

1282063708. D

Question Number : 28 Question Id : 128206936 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

In Flash Method of pasteurisation, milk is heated to ___ °C

A. 72

B. 62

C. 100

D. 122

Options :

1282063709. A

1282063710. B

1282063711. C

1282063712. D

Question Number : 29 Question Id : 128206937 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

'Disability Limitation' is mode of intervention for:

A. Primordial Prevention

B. Primary Prevention

C. Secondary Prevention

D. Tertiary Prevention

Options :

1282063713. A

1282063714. B

1282063715. C

1282063716. D

Question Number : 30 Question Id : 128206938 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

'Sensitivity' is defined as:

A. True positive/(True positive+ False positive)

B. True negative/(True positive+ True negative)

C. True positive/(True positive+ False negative)

D. True positive/ (False positive+ False positive)

Options :

1282063717. A

1282063718. B

1282063719. C

1282063720. D

Question Number : 31 Question Id : 128206939 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

All are true about ASHA (Accredited Social Health Activist) except:

A. They are preferably females

B. There is one ASHA worker per 1000 population

C. ASHA is skilled birth attendant

D. Provides primary medical care for minor ailments

Options :

1282063721. A

1282063722. B

1282063723. C

1282063724. D

Question Number : 32 Question Id : 128206940 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Rashtriya Swasthya Bima Yojana (RSBY) is:

A. Government run insurance scheme for its employees

B. Government run insurance scheme for all citizens

C. Private insurance company run scheme for all poor

D. Government run insurance scheme for poor

Options :

1282063725. A

1282063726. B

1282063727. C

1282063728. D

Question Number : 33 Question Id : 128206941 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Elemental iron and folic acid contents of iron and folic acid adult tablets supplied under the national programme for anaemia prevention are:

A. 60 mg of elemental iron and 250 µg of folic acid

B. 100 mg of elemental iron and 500 µg of folic acid

C. 120 mg of elemental iron and 750 µg of folic acid

D. 200 mg of elemental iron and 1000 µg of folic acid

Options :

1282063729. A

1282063730. B

1282063731. C

1282063732. D

Question Number : 34 Question Id : 128206942 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

What is the best indicator of the health status of a country?

A. CPR

B. IMR

C. MMR

D. CDR

Options :

1282063733. A

1282063734. B

1282063735. C

1282063736. D

Question Number : 35 Question Id : 128206943 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Cu T 380A IUD should be replaced once in:

A. 4 yrs

B. 6 yrs

C. 8 yrs

D. 10 yrs

Options :

1282063737. A

1282063738. B

1282063739. C

1282063740. D

Question Number : 36 Question Id : 128206944 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Under Medical Termination of Pregnancy (MTP) Act 1971 of India, permission for MTP has to be given by:

A. Wife only

B. Husband only

C. Both wife and husband

D. Guardian

Options :

1282063741. A

1282063742. B

1282063743. C

1282063744. D

Question Number : 37 Question Id : 128206945 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Maternal death includes all except:

A. Death in pregnancy

B. Death during delivery

C. Death within 6 weeks post delivery

D. Death within 6 months post delivery

Options :

1282063745. A

1282063746. B

1282063747. C

1282063748. D

Question Number : 38 Question Id : 128206946 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Ortho-toulidine test (OT Test) is used to detect:

A. Chlorine

B. Phosphorus

C. Ammonia

D. Calcium

Options :

1282063749. A

1282063750. B

1282063751. C

1282063752. D

Question Number : 39 Question Id : 128206947 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Normal life span of mosquitoes is:

A. 45-65 days

B. 50-70 days

C. 8-34 days

D. 3-4 months

Options :

1282063753. A

1282063754. B

1282063755. C

1282063756. D

Question Number : 40 Question Id : 128206948 Question Type : MCQ Option Shuffling : No Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0

Following are larval control measures except?

A. DDT

B. Paris green

C. Gambusia fish

D. Intermittent irrigation

Options :

1282063757. A

1282063758. B

1282063759. C

1282063760. D