PSM INI-25 (May) Reworked

Question Number: 1
Subject: Community Medicine (PSM)
Topic: National Health Programs
Subtopic: RMNCH+A
Non-clinical question:
Which of the following is a component of RMNCH+A strategy?

1. Adolescent health
2. Family planning
3. Geriatric health
4. Maternal and Child health
5. Newborn Health

Options:

A) 1, 2, 3, 4, 5
B) 1, 2, 4, 5
C) 1, 4, 5
D) 2, 3, 4, 5

Correct Answer: B) 1, 2, 4, 5

Question Number: 2
Subject: Community Medicine (PSM)
Topic: Biostatistics
Subtopic: Measures of Variation
Non-clinical question:
Pick the incorrect combination:

Options:

A) Standard error - Variability
B) Coefficient of correlation - Relationship
C) Asymmetry of distribution - Skewness
D) Mean, median - Dispersion

Correct Answer: D) Mean, median - Dispersion

Question Number: 3
Subject: Community Medicine (PSM)
Topic: Biostatistics
Subtopic: Measures in Statistics
Non-clinical question:
Quartiles and tertiles are measures of:

Options:

A) Dispersion
B) Central tendency
C) Locations
D) Variation

Correct Answer: C) Locations

Question Number: 4
Subject: Community Medicine (PSM)
Topic: Research Methodology
Subtopic: Research Steps
Non-clinical question:
Organize the following steps in the correct sequence for conducting research:

1. Conduct data analysis
2. Selecting population
3. Setting research question
4. Setting research objective

Options:

A) 4-3-2-1
B) 1-2-3-4
C) 3-4-2-1
D) 3-4-1-2

Correct Answer: C) 3-4-2-1

Question Number: 5
Subject: Community Medicine (PSM)
Topic: Demography and Vital Statistics
Subtopic: Demographic Indicators
Clinical question:
In a specific population of a town, 6000 were below the age of 15 years and there were 2000 above the age of 65 years. A total of 12,000 were earning members in the town. Calculate the dependency ratio.

Options:

A) 0.3
B) 0.5
C) 0.66
D) 1.2

Correct Answer: C) 0.66

Question 6
Subject: Community Medicine (PSM)
Topic: Epidemiology
Subtopic: Measures of Disease Frequency

Non-clinical question:
In a village having 100 children, 10 developed measles the previous year. Now, this year, 20 children developed measles for the first time. What is the incidence rate of measles?

Options:

A) 10%
B) 20%
C) 22.2%
D) 15%

Correct Answer: C) 22.2%

Question 7
Subject: Community Medicine (PSM)
Topic: National Health Programs
Subtopic: HIV/AIDS

Non-clinical question:
Which of the following is NOT a high-risk group for HIV?

Options:

A) Injecting drug users (IDU)
B) Men who have sex with men (MSM)
C) Commercial sex workers (CSW)
D) Long distance truck drivers (LDTD)

Correct Answer: D) Long distance truck drivers (LDTD)

Question 8
Subject: Community Medicine (PSM)
Topic: Infectious Diseases
Subtopic: Malaria
Clinical question:
Which of the following drugs are used for clinical cure of malaria?

1. Artemether
2. Sulfadoxine-pyrimethamine
3. Chloroquine
4. Primaquine

Options:

A) 1, 2
B) 1, 2, 3
C) 3, 4
D) 1, 2, 4

Correct Answer: B) 1, 2, 3

Question 9
Subject: Community Medicine (PSM)
Topic: Infectious diseases
Subtopic: Serological Tests
Non-clinical question:
Which of the following statements are true?
A) Widal test is positive in first week of illness
B) Microscopic agglutination test (MAT) is gold standard in leptospirosis
C) The Weil-Felix test is used in typhus fever
D) Standard agglutination test is used in Brucellosis

Options:

A) A, B, C, D
B) B, C, D
C) A, C, D
D) C, D

Correct Answer: B) B, C, D

Question 10
Subject: Medicine
Topic: Infectious Diseases
Subtopic: Sexually Transmitted Infections

Clinical question:
A 24-year-old sexually active male presents to the UHC with complaints of painful urination and a thick yellow urethral discharge for the past 3 days. He denies any fever, chills, or flank pain. He reports multiple unprotected sexual encounters in the past month. A urethral swab sent for Gram staining, shows intracellular gram-negative diplococci within polymorphonuclear leukocytes. The organism is resistant to penicillin. Which of the following is the most appropriate treatment?

Options:
A) Ceftriaxone
B) Vancomycin
C) Amoxicillin
D) Tetracycline

Correct Answer: A) Ceftriaxone

Question 11
Subject: Community Medicine (PSM)
Topic: Research Methodology
Subtopic: Sampling Techniques

Non-clinical question:
You are a medical officer at a PHC collecting data for disease burden. You divide those with diseases into mild, moderate and severe groups. Then few are selected from each group for the study. This is which type of sampling?

Options:
A) Simple random sampling
B) Systematic random sampling
C) Stratified random sampling
D) Simple sampling

Correct Answer: C) Stratified random sampling

Question 12
Subject: Community Medicine (PSM)
Topic: Health Planning
Subtopic: Mass Gatherings

Non-clinical question:
In the Maha Kumbh Mela, what was the purpose of mobile medical vans?

Options:
A) To reduce number of health workers
B) For immediate quarantine measures
C) To get early information of outbreaks of diarrhoea, respiratory infections
D) To diagnose with lab tests

Correct Answer: C) To get early information of outbreaks of diarrhoea, respiratory infections

Question 13
Subject: Community Medicine (PSM)
Topic: National Health Programs
Subtopic: Family Planning

Non-clinical question:
The best timing of CuT 380A insertion to ensure good compliance under the RCH program are all except:

Options:
A) Within 48 hours of delivery
B) Immediate post-partum
C) Within first 7 days of menstrual cycle
D) Within 7 days of next menstrual cycle

Correct Answer: D) Within 7 days of next menstrual cycle

Question 14
Subject: Community Medicine (PSM)
Topic: Biostatistics
Subtopic: Tests of Significance

Non-clinical question:
In a group of patients with diabetes, their weights were compared before and after nutritional counselling. Statistical test of significance to be used is:

Options:
A) ANOVA

B) Chi-square test
C) Paired t-test
D) Unpaired t-test

Correct Answer: C) Paired t-test

Question 15
Subject: Community Medicine (PSM)
Topic: Infectious diseases
Subtopic: Rickettsial Diseases

Non-clinical question):
Match the following:

Vector	Disease
1. Tick	A. Epidemic typhus
2. Mite	B. Endemic typhus
3. Louse	C. Rocky Mountain spotted fever
4. Flea	D. Rickettsial pox

Options:
A) 1-D, 2-C, 3-B, 4-A
B) 1-D, 2-C, 3-A, 4-B
C) 1-C, 2-D, 3-A, 4-B
D) 1-A, 2-C, 3-D, 4-B

Correct Answer: C) 1-C, 2-D, 3-A, 4-B

Question 16
Subject: Medicine
Topic: Cardiology
Subtopic: Hypertension

Clinical question:
A 54-year-old male presents to a Health & Wellness Centre for a routine check-up. His blood pressure readings on two separate visits are 148/90 mmHg. He is asymptomatic, has no diabetes, renal disease, or cardiovascular history. According to the Ayushman Aarogya Mandir guidelines, which of the following is the most appropriate first-line drug and dose for initiating treatment?

Options:
A) Amlodipine 5 mg once daily
B) Telmisartan 80 mg once daily
C) Hydrochlorothiazide 50 mg once daily
D) Metoprolol 100 mg twice daily

Correct Answer: A) Amlodipine 5 mg once daily

Question 17
Subject: Community Medicine (PSM)
Topic: Genetics
Subtopic: Basic Concepts

Non-clinical question:
Gene pool term is used for:

Options:

A) Population
B) Individual
C) Community
D) Family

Correct Answer: A) Population

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