



BRAINWARE UNIVERSITY

Term End Examination 2023-2024 Programme – MBA(HM)-2023 Course Name – Epidemiology & Public Health Course Code - MBAHM206 (Semester II)

Full Marks: 60 Time: 2:30 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 15=15

- 1. Choose the correct alternative from the following:
 - (i) Policy makers want to introduce a new vaccine in the national immunization programme to reduce the morbidity and mortality from a particular vaccine preventable disease. Choose which of the following studies will they have to be conducted to determine the effectiveness of this new addition?
 - a) Case-control study

b) Ecological study

c) Retrospective study

- d) Field Randomized Trial
- (ii) Determine type of study from the following description. The entire population of a given community is examined and all those judged as being free of bowel cancer are questioned extensively about their diet. These people are then followed-up for several years to see whether their eating habits will predict their risk of developing bowel cancer
 - a) Case-control study

b) Clinical trial

c) Cross-sectional study

- d) Cohort study
- (iii) Identify which of the following is NOT true regarding case-control study ?i. Appropriate for study of rare outcomes ii. More time consuming than cohort study iii. Multiple exposures can be examined iv. Relatively expensive compared to cohort study
 - a) Both (i) and (ii)

b) Both (iii) and (iv)

c) Both (ii) and (iii)

- d) Both (ii) and (iv)
- (iv) When was National Health Mission launched by the Indian government?
 - a) 2004

b) 2005

c) 2006

d) 2007

- (v) What is the full from of ASHA?
 - a) Accredited Social Health Activist

b) Accreditation Social Health Activist

(vi)	c) Accredited Special Health Activist Choose the appropriate answer from the following sectional study are that: i) It usually provides infinited incidence ii) It is limited to health exposures and iii) is more useful for descriptive epidemiology the synonymous with survey	ormation on prevalence rather than behaviors rather than health outcomes
	a) options i) ii) iii) iv) c) options i) iii) iv) Select the appropriate answer from the following case-control study in that: i) Subjects are enrolle exposure status in a cohort study but not in a case about their exposure status in a cohort study but studies require many years to conduct, but case are conducted to investigate chronic diseases, can diseases	d or categorized on the basis of their se-control study ii) Subjects are asked to not in a case-control study iii) Cohort control studies
(viii)	a) options i) ii) iii) iv) c) options ii) iii) iv) Choose the appropriate answer from the following randomly assigned to receive either a newly form vaccine, and are followed to monitor for side effect an example of which type of study? i) Experiment control v)Clinical trial	nulated vaccine or the currently available ects and effectiveness of each vaccine. is
(ix)	a) options v) b) options i) c) options iii) iv) Choose the appropriate answer from the following options. When analyzing surveillance data by age, which of the following age groups is preferred? i) 1-year age groups ii) 5-year age groups iii) 10-year age groups iv) Depends on the disease	
(x)	a) options i) ii) iii) c) options iv) Which of the following mortality rates use the est denominator? Choose the appropriate answer I) mortality rate iii) Crude mortality rate iv) Cause-s	Age-specific mortality rate ii) Sex-specific
(xi)	a) options ii) iii) iv) c) options iii) iv) Residence of three villages with three different ty participate in a study to identify cholera carriers. E occurred in the recent past, virtually every one pr examination. The proportion of residents in each v and compared. Can you determine the type of stu	b) options i) ii) iii) iv) d) options i) ii) iii) pes of water supply were asked to secause several Cholera deaths had esent at the time submitted to village who were carriers was computed
(xii)	a) Cross sectional study c) Concurrent cohort study Choose the correct answer and complete the sent epidemiology for depiction of	b) Case control study d) Non concurrent ence.Spot maps are used for a disease in listribution ii) rural-Urban variation iii)
(xiii)	a) Options i) iii) iv)c) Options i) ii) iii) iv)Ideal temperature for storage of DPT vaccine at Ph	b) Options i) iii) d) Option i) IC level is
	a) 0 °C c) Room temperature	b) 2 to 8 °C

d) -20 °C

(xiv)	The Body Mass Index (BMI) for a normal adult is				
	a) 13.5 – 17.99	b) 18.5 – 24.99			
	c) 25.5 – 30.99	d) 31.5 – 35.99			
(xv)	κ) Which level of prevention/s is/are applicable for implementation in a population whi				
not yet exposed to risk factors? i) Tertiary Prevention ii) Secondary Prevention iii) Primary					
	Prevention iv) Primordial Prevention(Choose the appropriate answer)				
	a) options i) iv)	b) option iv)			
	c) option i)	d) options i) ii)			
	Grow	2 P			
	Grou	• 54	2 5 _ 1 5		
	(Short Answer Ty	pe Questions)	3 x 5=15		
			(3)		
2. Demonstrate the relationship between Incidence and Prevalence.					
3. "Cohort studies offer several advantages that make them invaluable in epidemiological					
re	search"- Justify the statement.				
1. What are the signs and symptoms of Malaria?					
5. What is the importance of Surveillance in Epidemiology?			(3)		
5. Evaluate the importance of IEC in preventing HIV/AIDS.			(3)		
). L	OF				
_	valuate the importance of the home based new bo		(3)		
E	valuate the importance of the nome based new bo	The same resembles are a second secon	` '		
	Group-C				
	(Long Answer Ty	•	5 x 6=30		
	(2011)8 / 1110 / 1110				
_	Explain different modes of interventions in disease	control	(5)		
7.	Explain different modes of interventions in disease	table examples	(5)		
8. Explain the concept of Experimental study with suitable examples.			(5)		
Э.	Explain the measures to be adopted for prevention	1 Of Communicable diseases.	(5)		
10. Explain the epidemiological factors of Leprosy.					
11.	Evaluate the importance of Revised National Tuber	culosis control programme in eliminating	(5)		
	Tuborculosis in India		(5)		
12	Evaluate the role of National Population Policy in c	ontrolling population explosion of India	(5)		
	OI	₹	·		
	Express your opinion regarding importance of ado	oting Sustainable development goals.	(5)		
	Express your opinion regarding impersance				
