

PARUL UNIVERSITY
PARUL INSTITUTE OF APPLIED SCIENCES
MID SEMESTER INTERNAL EXAMINATION
M.Sc.– Semester – 2
Subject: NUTRITION AND DIETETICS

Paper Code:11209165

Date:3/3/2020

Title of the paper: Research Methods and Biostatistics

Time:2:00pm

Maximum Marks: 40

Instructions:

1. All questions are compulsory and options are given in first and second question only.
2. Numbers to the right of question indicate the marks of respective questions.

Q. 1	Attempt any one question of the following. (i)Enlist and Explain the Threats to Internal Validity (ii) Write a short note on Types of Literature Reviews.	(08)
Q. 2	Attempt any three questions of the following. (i) Explain Simple Random Sampling Method with example (ii)Difference between Stratified and Cluster Sampling (iii)Difference between qualitative and quantitative research. (iv)Difference between face and content validity (v)Explain Snowball Sampling Method with example	(12)
Q. 3	Do as directed. Attempt all five questions. (i)What is Literature Review? (ii)What is Reliability ? (iii)What is the PQRS system in analyzing and synthesizing literature ? (iv)What is inter rater reliability? (v)What is inter item reliability?	(05)
Q. 4	Write the correct option in your answer sheet for following 15 multiple choice questions.	(15)

MCQ 1	Research can be _____driven			
	(A)	curiosity	(B)	profit
	(C)	need	(D)	All of the above
MCQ 2	_____is required in the investigator to conceive good research topic.			
	(A)	good observer	(B)	sceptical attitude
	(C)	imaginative	(D)	All of the above
MCQ 3	Feasibility of _____is NOT required to be considered in doing research.			
	(A)	Novelty	(B)	Technical Expertise
	(C)	Number of subjects	(D)	Cost
MCQ 4	'I' in PICOT criteria stands for _____.			
	(A)	intervention	(B)	invention
	(C)	international	(D)	innovative
MCQ 5	Studies on _____is/ are of ethical concern			
	(A)	human trial	(B)	legal issues
	(C)	religious issue	(D)	All of the above
MCQ 6	_____is NOT related to technical expertise.			

	(A)	skill	(B)	subject
	(C)	equipment	(D)	experience
MCQ 7	Which of the following is correct step of literature review process			
	(A)	select topic, search literature, gather read analyse literature, write, reference	(B)	select topic, write, reference, search literature, gather read analyse literature
	(C)	gather read analyse literature, select topic, write, reference, search literature	(D)	select topic, write, reference, search literature, gather read analyse literature
MCQ 8	'E' in FINER criteria stands for _____.			
	(A)	education	(B)	evaluation
	(C)	ethical	(D)	ethnic
MCQ 9	Diffusion or Imitation of Treatment is a Threat to _____			
	(A)	External Validity	(B)	Internal Validity
	(C)	Content Validity	(D)	Face Validity
MCQ 10	_____ is not a Threat to External Validity			
	(A)	interaction of history	(B)	interaction of selection
	(C)	maturation	(D)	interaction of setting
MCQ 11	Which of the following is NOT a probability sampling method.			
	(A)	Accidental	(B)	Multiphase
	(C)	Multistage	(D)	Cluster
MCQ 12	_____ poses difficulty in measuring whole population			
	(A)	large size of population	(B)	destructiveness of observation
	(C)	accuracy	(D)	All of above
MCQ 13	_____ is not a source of systematic bias.			
	(A)	allowable error	(B)	wrong sampling frame
	(C)	non respondents	(D)	natural bias
MCQ 14	Review article is an example of			
	(A)	Primary source of literature	(B)	Tertiary source of literature
	(C)	Secondary source of literature	(D)	Conceptual source of literature
MCQ 15	_____ is not a Boolean Operator used in Literature search.			
	(A)	AND	(B)	OR
	(C)	IF	(D)	NOT

-- ALL THE BEST --