

A. Knowledge on research:

1. In a small pilot study, 12 women with uterine cancer and 12 with no apparent disease were contacted and asked whether they had ever used estrogen. Each woman with cancer was matched by age, race, weight and parity to a woman without disease. What type of study design is used?
 - a. Cross-sectional study
 - b. Cohort study
 - c. Case- control study
 - d. Case series
2. A pediatrician has observed that there is an increasing trend of obesity among school children going to private institutions. He / She is curious to know the prevalence of physical activity level among them. What type of study design is best suited for the study?
 - a. Cross-sectional study
 - b. Cohort study
 - c. Case- control study
 - d. Case series
3. In a proposed study of alcohol use, the researcher has planned to interview the participants to quantify the alcohol use and characterize the types of alcohol used in the last one year. Which of the following is correct?
 - a. Researcher has to take the permission of Institutional Ethics Committee (IEC) consent prior to initiation of study
 - b. Researcher has to inform participants and take their consent prior to initiation of study
 - c. 'a' or 'b' – any one is sufficient
 - d. Both 'a' & 'b' is needed
4. A clinician during his OPD observed that around 10 patients have visited with unfamiliar type of skin lesions. He wants to publish an article using the biopsy report with photographs of lesions in a journal.
 - a. He has to take written informed consent from all 10 patients
 - b. Verbal consent is sufficient
 - c. Consent from a few patients is sufficient for publication
 - d. No consent is required as the patients have voluntarily come for treatment
5. Copying a research idea from another researcher without giving due credit is known as-
 - a. Falsification b. Plagiarism c. Fabrication d. Manipulation

6. A pharmaceutical company wants to do a clinical trial of its newly discovered anticancer drug. It has consulted a cancer hospital and an oncologist was requested to check the efficacy of these drugs. The oncologist was of the opinion that, the patient & relatives may not understand about the drug, but if used, it may increase survival of patients. So, he did not explain to the patient or relatives about the new drug and started prescribing it. Which of the following is correct?
- The oncologist is right as he wants his patients' to survive longer
 - The oncologist should have taken informed consent from the patient & relatives.
 - The pharmaceutical company should have taken IEC consent and oncologist should take informed consent from the patient & relatives before initiation of the trial.
 - Permission of the hospital administration is sufficient
7. A researcher wants to present a study in a conference. He had planned for a 50 sample study but could only get 30 samples. He requested the statistician to complete the analysis by adding some extra samples. This is called as
- Falsification
 - Fabrication
 - Familiarization
 - Plagiarism
8. A researcher wants to send his research manuscript to a journal for publication. What should be the order of writing the manuscript?
- Introduction, results, discussion, references, methods
 - Methods, introduction, results, discussion, references
 - Discussion, introduction, results, references, methods
 - Introduction, methods, results, discussion, references
9. Which of the following data bases are useful for performing a literature review?
- PubMed, Cochrane,
 - Google base, Google spreadsheet
 - 'a' is correct; 'b' is incorrect
 - Both 'a' and 'b' are correct
10. Which of the following free software is **not** useful in statistical analysis in biomedical research?
- Epi info
 - Microsoft Excel
 - 'R'
 - End note

Attitude & Barrier for research- questionnaire

Sl. No.	Statement	Strongly agree	agree	Neutral	disagree	Strongly disagree
1.	Doing research project should become part of the MBBS curriculum					
2.	Research should be done only by experts and not by UG students					
3.	Research promotes critical thinking - asking question, developing right answers and thoughtful reflection					
4.	Research promotes independent learning ability					
5.	Conducting research projects during MBBS boosts confidence to do better during post-graduation					
6.	Research will not lead to better clinical practice in future					
7.	Reward and encouragement by faculty and institution are important for student research					
8.	I am not interested to attend research methodology workshops					
9.	I am interested in doing research projects during MBBS course					
10.	I am interested in doing research, myself rather than in a team					
11.	I am not interested to be part of a research project undertaken by faculty					
12.	I would like to present my research work at a conference and/or publish in journal					
13.	Which of the following do you feel is/are barrier(s) for not conducting research study by MBBS students?					
	1. Lack of awareness on method of conducting research					
	2.Lack of good mentoring on research by faculty					
	3.Lack of time to do research because of heavy syllabus					
	4. Lack of funding support by institution or outside agencies to do research					
	5.Lack of self interest in doing research					
	6.Lack of adequate motivation & support in institute to conduct research by students					
	7. Lack of compulsion to conduct research projects in MBBS course					
	8. Lack of syllabus on research methodology in MBBS curriculum					