

## **2023 Research Methodology and Presentation Skills --- Test 2 --- SOLUTION**

### **Question 1 (Quantitative Methods and Experimental Research) 20%**

- (i) true experimental design – *use a control group in parallel to all experimental groups to be studied. Groups are selected by random and tested against each other.*
- (ii) pre-experimental study – *only observe the group(s) which has change before and after the experiment. Control group is not necessary.*
- (iii) quasi-experimental design – *similar to (i), but only choose the groups which are of interest to the experiment.*
- (iv) ex post facto design – *include experimental data from outside and existing sources.*

### **Question 2 (Research Execution and Management) 20%**

- (i) paraphrasing – use other people's idea, but putting it in his own words.
  - (ii) text-recycling – publishing the same content in more than one place.
- To avoid this accusation: always include a reference to the other publication.

### **Question 3 (Research Report and Presentation -1) 20%**

1. Objectiveness – objective vs subjective
2. Directness – direct vs indirect
3. Descriptiveness – detail description vs incomplete description
4. Clarity – clear explanation vs unclear imagination
5. Format – exact format vs free format

### **Question 4 (Research Report and Presentation -2) 20%**

Power-point presentation vs poster presentation

“Deliver to a group of audience” vs “one-to-one discussion”

“Follow the presentation schedule” vs “no fixed schedule”

### **Question 5 (Scholarly Paper and Publication -1 & 2) 20%**

JCR IF =  $\frac{\text{Cites in <present year> on papers published in <past 2 years>}}{\text{no of items published in <past 2 years>}}$

CiteScore =  $\frac{\text{Cites in <present year> on papers published in <past 3 years>}}{\text{no of items published in <past 3 years>}}$