

Seat No.: \_\_\_\_\_

No. Of Printed Pages: 02

[30]

## SARDAR PATEL UNIVERSITY

M.Sc. Semester –III (Forensic Science) Examination

SATURDAY, 29<sup>th</sup>, Oct 2016

PS03EFSC01: Teaching & Research Aptitude & Quality Management

TIME- 02.00PM - 05.00PM

TOTAL MARKS- 70

Instructions:

1. Answer of all the questions (including multiple choice questions) should be written in the provided answer book only.
2. All the questions are compulsory.
3. Figures to the right indicate maximum marks of the questions.

**Q-1 Multiple Choice Questions:**

(8)

1. Research is \_\_\_\_\_.  
(a) Searching again & again  
(b) Finding solution to any problem  
(c) Working in a scientific way to search for truth of any problem  
(d) None of the above.
2. A teacher can be successful if she/he \_\_\_\_\_.  
(a) Helps students in becoming better citizens  
(b) Imparts subjects knowledge to students  
(c) Prepare students to pass the examination  
(d) Presents the subjects matter in a well organized manner
3. The depth of any research can be judged by \_\_\_\_\_.  
(a) Total expenditure on the research  
(b) Duration of the research  
(c) Title of the research  
(d) Objectives of the research
4. One of the essential characteristics of research is \_\_\_\_\_.  
(a) Replicability  
(b) Generalizability  
(c) Objectivity  
(d) Survey
5. ISO stands for \_\_\_\_\_.  
(a) International organization for standards  
(b) International organization for standardization  
(c) International organization for standardization  
(d) International organization for standards & controls
6. Standards/ controls that are used that information set is considered as \_\_\_\_\_.  
(a) Analytical Record  
(b) Administrative Record  
(c) Procedure Record  
(d) None of the above
7. Forensic fingerprint scientific officer qualification should be \_\_\_\_\_.  
(a) B.Sc in Forensic science + 5yrs  
(b) M.Sc in Forensic science + 2yrs  
(c) B.Sc in any science + 5yrs  
(d) M.Sc in Forensic science + 5yrs
8. Proficiency testing records will include \_\_\_\_\_.  
(a) Reviewed performance  
(b) Details of administrative action  
(c) Only A  
(d) A & B both

**Q-2 Answer in Brief (Write Any Seven)**

**(14)**

1. Explain the Calibration.
2. Write a short note on Survey Method (Field Study).
3. What is Documentation? (Give examples).
4. Define Administrative Records and Analytical Records.
5. What are the Aims & Objectives of Research?
6. Explain Clause-18.
7. What are the Objectives of teaching?
8. Give the preventive Actions in Laboratory.
9. What are the advantages & principles of Audio-Visual Aids?

**Q-3(A) Explain the Clause-10:-Methods & Procedure.**

**(06)**

**(B) Answer the followings**

(i) Write down Clause-9.

**(03)**

(ii) Give the eligibility for Ballistics & Psychology Scientific Officer

**(03)**

**OR**

**(B) (i) Write down Clause-5.**

**(03)**

(ii) Explain Clause-3.

**(03)**

**Q-4(A) (i) Define Documentation & Document.**

**(03)**

(ii) Write down Clause- 14

**(03)**

**(B) (i) Give details about Clause-11**

**(03)**

(ii) Explain Instruments & Equipments.

**(03)**

**OR**

**(B) (i) Define Validation.**

**(02)**

(ii) Write about Clause-15.

**(04)**

**Q-5(A) Explain about Teaching Aids.**

**(06)**

**(B) What are the characteristics of Good Teaching?**

**(06)**

**OR**

**(B) Write down the methods of Instruction in Teaching.**

**(06)**

**Q-6 (A) Give details about steps of Research.**

**(06)**

**(B) Write a short note on Types of Research.**

**(06)**

**OR**

**(B) (i) Give details about Research ethics.**

**(03)**

(ii) State the advantages of Case Studies.

**(03)**