

BSc Forensic Science, 3rd Sem
Re-appear, Examination

Dec, 2024

BSFS201A- Forensic Ballistics & Explosives

Time:2.5Hours

Maximum Marks: 50

Instructions:

- 1) Question No. 1 under Section-A is compulsory.
- 2) Attempt any four from Q. No. 2 to Q. No. 6 under Section-B
- 3) Attempt any two from Q. No. 7 to Q. No.9 under Section-C

Section-A(Compulsory)

1. (a) Fill in the blanks with appropriate words: 3
[CO1,2] [L-1]
- (i) Composition of Black Powder is -----
 - (ii) Bolt action is common in ----- rifles.
 - (iii) The Canal like furrows are called-----

1. (b) Answer the following: 2
[CO3] [L-1]
- (i) Write down the formula for Density of loading
 - (ii) Sectional Density

1. (c) State one function of each of the following: 2
[CO-2] [L-VIII]
- (i) Rifling marks
 - (ii) Choke

1. (d) Match the items given in Column-A with those in Column-B: 3
[CO2,3] [L-1]

Column-A		Column-B
(i) Bore	(a)	Cylinder
(ii) Rifle	(b)	Calibre
(iii) Revolver	(c)	Shotgun

Section-B

2. (a) Explain Various types of choke. 3[CO-5] [L-XI]
(b) Difference between Colt and Smith & Wesson type pistol 2 [CO-4] [L-II]
3. Difference between Revolver and Pistol 5[CO-3] [L-II]
4. Explain different type of Propellant powders 5[CO-2] [L-XI]
5. Explain Different types of bullets 5[CO-2] [L-XI]
6. Explain the chemical test for GSR. 5[CO-5] [L-XI]
7. Briefly explain the Principle of Individuality and Principle of exchange 5[CO-1] [L-III]

Section-C

8. Describe with the help of labelled diagram Shotgun Cartridge and Rifle Cartridge 10[CO3] [L-XII]
9. How can Range of firearm is determine by GSR. 10[CO2] [L-IX]
10. Briefly explain the classification of firearms with diagram 10[CO4] [L-XII]