

BIOLOGY**BIOTECHNOLOGY AND APPLICATIONS**

51. ___ processes have made immense impact in the area of healthcare by enabling mass production of safe and more effective therapeutics.
- (1) ELISA
 - (2) Gene therapy
 - (3) RNAi
 - (4) rDNA technology
52. GEAC approves –
- (1) Validity of GM research
 - (2) Safety of GMOs
 - (3) Unauthorised introduction of GMOs into public services
 - (4) All except (3)
53. Recombinant DNA technology has made it possible to engineer –
- (1) Plants
 - (2) Animals
 - (3) Microbes
 - (4) More than one option is correct
54. Human protein enriched milk was obtained from –
- (1) Dolly
 - (2) Rosie
 - (3) Mule
 - (4) Hinny
55. The product of *cryIAc* gene kills –
- (1) cotton bollworms
 - (2) corn bollworms
 - (3) corn borer
 - (4) maize saw fly
56. α -1-antitrypsin
- (1) Causes emphysema
 - (2) Treats emphysema
 - (3) Causes PKU
 - (4) Treats Cystic fibrosis
57. First transgenic cow was successfully produced in –
- (1) 1953
 - (2) 1991
 - (3) 1997
 - (4) 1987
58. Transgenic cow was aimed at –
- (1) producing better suitable milk for human infants than natural cow milk
 - (2) treating immunological disorders in calf
 - (3) promoting production of antibodies against cow's milk antigens
 - (4) to test vaccine safety
59. Gene targeting which involves gene amplification can be a part of –
- (1) Gene therapy
 - (2) RNAi
 - (3) Alzheimer's
 - (4) Both (1) and (2)
60. Bt toxins are ___.
- (1) insect group non-specific
 - (2) bacteria group specific
 - (3) insect group specific
 - (4) nematode group specific