

MINING ENGINEERING

101. The core (dia in mm) size obtained with NX size
(1) 21 (2) 28
(3) 40 (4) 54
102. Bore hole deviation is _____ degrees for 30 m.
(1) 1 (2) 2
(3) 3 (4) 4
103. The following safety device is provided in sinking shaft in case of overwind
(1) spider (2) kibble
(3) detaching hook (4) rider
104. The method of sinking adopted in unstable or friable strata with heavy inrush of water encountered is
(1) German tubing (2) forced drop
(3) cementation method (4) freezing method
105. The Velocity of detonation of premix cartridge is
(1) 5000 m/s (2) 7000 m/s
(3) 3500 m/s (4) 3200 m/s
106. The constituents in slurry explosive (TNT : AN: Water)
(1) 20:15:65 (2) 20:65:15
(3) 15:20:65 (4) 65:15:20
107. Relieving hole should be drilled at least ____ m away from the misfired hole in the under ground.
(1) 1 (2) 0.5
(3) 0.3 (4) 0.2

Set Code : **T2**

Booklet Code : **A**

108. The pattern of cut mostly preferred for laminated strata is
(1) Ring drilling (2) fan cut (3) pyramid cut (4) burn cut
109. To get lumpy coal or to minimize the coal dust the blasting technique adopted is
(1) cushion blasting (2) muffled blasting
(3) coyote blasting (4) pop shooting
110. In roof stitching the face should not be advanced more than ____ m from the last tensioned rope
(1) 4 m (2) 3 m (3) 2.4 m (4) 2 m
111. In sand stowing incorrect profile will leads to
(1) cavitations (2) wear on pipes
(3) setup pulsation (4) jamming
112. Ring rose detector works on the principle of
(1) Formation of gas cap (2) Wheatstone bridge
(3) Diffusion-combustion-contraction (4) Optical properties
113. The elements in the delay element of short delay detonator
(1) Antimony and potassium permanganate
(2) Red lead and silicon
(3) silicon and Antimony
(4) PETN and ASA
114. Cone sheets are
(1) Sills (2) Dykes
(3) folds (4) faults