1. What is the M249 Machine Gun?

2. What is the maximum rate of fire of the M249?

3. How does it feed ammunition?

4. What positions can the M249 be fired from?

5. When should a 20 or 30 round rifle magazine be used?

6. What is the length of the M249?

7. What is the height of the M249 on a tripod?

8. What is the weight of the M249?

9. What is the weight of the M122 Tripod Mount with T&E?

10. What ammunition does the M249 use?

11. What is the sustained rate of fire for the M249.

12. What is the rapid rate of fire for the M249?

13. What is the cyclic rate of fire for the M249?

14. What is the basic combat load for the M249?

15. What is the tracer burnout range for 5.56?

16. What is the maximum range of the M249?

17. What is the maximum effective range of the M249?

18. What is the maximum effective range of the M249 for grazing fire over uniformly sloping terrain?

19. What is the maximum effective range of the M249 on an area target with a tripod?

20. What is the maximum effective range of the M249 on a bipod?

21. What is the maximum range of the M249 on a point target using a tripod?

22. What is the maximum effective range of an M249 on a point target using a bipod?

23. What is the maximum effective range of the M249 for suppressive fire?

24. What is the purpose of the M249's barrel assembly?

25. What is the purpose of the M249's heat shield assembly?

26. What is the purpose of the M249's rear sight assembly?

27. What is the purpose of the M249's feed tray and cover assembly?

28. What is the purpose of the M249's feed tray assembly?

29. What is the purpose of the M249's cocking handle assembly?

30. What is the purpose of the M249's buttstock and buffer assembly?

31. What is the purpose of the M249's bolt assembly?

32. What is the purpose of the M249's slide assembly?

33. What is the purpose of the M249's return rod and transfer mechanism assembly?

34. What is the purpose of the M249's receiver assembly?

35. What is the purpose of the M249's trigger assembly?

36. What is the purpose of the M249's handguard assembly?

37. What is the purpose of the M249's sling and snap hook assembly?

38. What is the purpose of the M249's bipod assembly?

39. What is the purpose of the M249's gas cylinder assembly?

40. What is the purpose of the M249's piston assembly?

41. What is the purpose of the M249's return assembly?

42. What is the purpose of the M122 tripod?

43. What is the purpose of the M145 telescope?

44. What is the M249's front sight?

45. How do you make fine changes in elevation or range?

46. How does the M249's safety mechanism function?

47. How does the M249 utilize different types of ammunition?

48. What are the characteristics of the 5.56-mm Ball M855 Cartridge?

49. What are the characteristics of the 5.56-mm Tracer M856 Cartridge?

50. What are the characteristics of the 5.56-mm Dummy M199 Cartridge?

51. What are the characteristics of the 5.56-mm Blank M200 Cartridge?

52. How do you get the best performance out of your weapon when using the BFA?

53. The first step in maintenance is to clear the weapon. How do you properly clear the M249?

54. A "hot" weapon, that is, one through which 200 or more successive rounds have just been fired, can "cook off" a round without any action by the firer. How should you clear the M249 when it is still hot?

55. Before opening the feed tray cover on a hot gun, why should you place the weapon on the ground away from your face?

56. How should you conduct the five-point safety check for brass, links, or ammunition?

57. What does the operating rod group consist of?

58. How do you remove the operating rod?

59. How do you release the operating rod assembly from the positioning grooves inside the receiver?

60. How do you separate the components of the operating rod group?

61. How do you remove the barrel from the receiver?

62. How do you remove the trigger mechanism group?

63. How do you remove the gas cylinder group?

64. How do you remove the bipod group?

65. What does inspection of the M249 begin with?

66. What should you look for during a PMCS of the M249?

67. What is the gunner supposed to check for during PMCS?

68. What are you supposed to look for on the buttstock and buffer assembly group?

69. What should be checked during inspection of the trigger mechanism group?

70. What should be checked during inspection of the gas cylinder?

71. What should be checked during inspection of the bipod?

72. What should be checked during inspection of the receiver group?

73. What should be used to clean metal components of the M249?

74. How should the components of the M249 be lubricated?

75. How should the operating rod group of the M249 be lubricated?

76. How should the barrel group of the M249 be lubricated?

77. What are lubricating procedures for the M249 in different conditions?

78. How should the bipod group be placed onto the M249 receiver?

79. How should the gas cylinder group be placed into the receiver during assembly?

80. How do you install the trigger mechanism group on the M249?

81. How do you install the buttstock and buffer assembly group on the M249?

82. The gunner must perform a function check to ensure that the M249 machine gun has been assembled correctly. What are the procedures for conducting a functions check on an M249?

83. To properly maintain the M249 machine gun, the gunner must perform certain actions before, during, and after firing. What are these actions?

84. If the M249 machine gun is contaminated by chemical, biological, or radiological (nuclear) agents, the appropriate action must be taken to reduce exposure and penetration. What should be done to minimize exposure to CBRN agents?

85. How do you load the M249?

86. How do you unload the M249?

87. Depending on whether you are using belt-fed or magazine-fed ammunition, do the following:

88. What makes it easier for gunners to recognize and correct stoppages during operation?

89. Each time a round is fired the parts of the weapon function in a cycle or sequence. Many of the actions occur at the same time. When does the cycle begin?

90. What occurs during the feeding phase of the M249?

91. What occurs during the chambering phase of the M249?

92. What occurs during the locking phase of the M249?

93. What occurs during the firing phase of the M249?

94. What occurs during the unlocking phase of the M249?

95. What occurs during the extracting phase of the M249?

96. What occurs during the ejecting phase of the M249?

97. What occurs during the cocking phase of the M249?

98. What does the M122 tripod provide for the M249?

99. How does the traversing portion of the T&E mechanism function?

100. How does the elevating portion of the T&E function?

101. What does the traversing slide lock lever do?

102. How do you set up a tripod?

103. How do you attach the traversing and elevating mechanism?

104. How does the gunner dismount the M249 from the M122 tripod?

105. How do you lower the bipod legs on a M249?

106. How do you extend the bipod legs?

107. How do you retract the bipod legs?

108. What is the standard vehicular mount for the M249 machine gun?

109. How do you mount the M249 onto the vehicle mount?

110. How do you dismount the weapon?

111. How does the M122 benefit the M249?

112. When do weapon malfunctions occur?

113. What are stoppages?

114. What should you do if ammunition is in the chamber when you experience a malfunction?

115. What is a misfire?

116. What is cook off?

117. One effective memory aid is POPP. What does it stand for?

118. If immediate action fails to return a cold weapon to operational condition, what should you do?

119. What is considered a hot weapon? How do you clear malfunctions for hot weapon systems?

120. If a stoppage occurs, whether the bolt is fully forward and locked, or only partially forward, and the cocking handle resists your attempts to pull it to the rear, what steps should you take?

121. Destruction of any military weapon is only authorized as a last resort to prevent enemy capture or use. In combat, the commander may destroy weapons, but must report doing so through channels. What are field expedient methods of destroying weapon systems?

122. What is the M240B tracer burnout range?

123. What is the length of an M240B?

124. What is the weight of the M240B?

125. What is the maximum range of the M240B?

126. What is the maximum effective range of the M240B?

127. What is the maximum effective range of the M240B for an area target using a M122A1 tripod?

128. What is the maximum effective range of the M240B for an area target using a M122A1 bipod?

129. What is the maximum effective range of the M240B for a point target using a tripod?

130. What is the maximum effective range of the M240B for a point target using a bipod?

131. What is the maximum suppression distance for a M240B?

132. What is the sustained rate of fire for the M240B?

133. What is the rapid rate of fire for the M240B?

134. What is the cyclic rate of fire for the m240B?

135. What is the purpose of the M240 barrel assambly?

136. What is the purpose of the Heat shield assembly?

137. What is the purpose of the buttstock and buffer assembly; and buffer and spade-grip assembly?

138. What is the purpose of the receiver assembly?

139. What is the purpose of the M240 Handguard assembly?

140. What is the purpose of the cocking handle assembly?

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141. What is the purpose of the M240 Trigger housing assembly?

142. What is the purpose of the M240 Sling and snap hooks?

143. What is the purpose of the M240 Bipod?

144. What is the purpose of the M240 Drive spring rod assembly?

145. What is the purpose of the M240 Bolt and operating rod assembly?

146. What is the purpose of the M240 Cover assembly?

147. What is the purpose of the M240 Feed tray?

148. What is the purpose of the M240 Tripod assembly?

149. What is the purpose of the M240 Ejection port?

150. What is the purpose of the M240 Sights?

151. How does the M240 Safety Mechanism function?

152. The M240B machine gun uses what types of ammunition?

153. What are the proper storage procedures for M240 ammunition?

154. To avoid corrosion, especially in damp climates, keep ammunition in its airtight containers until ready for use. What are other guidelines for maintaining weapons ammunition?

155. What is the process of attaching the ammunition adapter to the M240?

156. Over time, the moving parts in the adapter, including the plastic parts, will wear and break. What are the inspection procedures for the ammo adapter?

157. How do you install the M240 BFA?

158. How do you get the best performance with the BFA?

159. How do you clear the M240 of all ammunition?

160. How do you remove the M240 buttstock and buffer assembly?

161. How do you remove the drive spring and rod assembly?

162. How do you remove the Bolt and Operating Rod Assembly?

163. How do you remove the Trigger Housing Assembly?

164. How do you remove the Cover Assembly?

165. How do you remove the Barrel Assembly?

166. How do you Disassemble the Barrel Assembly?

167. How do you disassemble the Barrel Assembly?

168. How do you maintain the Buttstock and Buffer Assembly?

169. How do you maintain the Drive-Spring Rod Assembly?

170. How do you maintain the bold and operating rod assembly?

171. How do you maintain the Trigger Mechanism and Housing Assembly?

172. How do you maintain the Cover Assembly?

173. How do you maintain the Feed Tray?

174. How do you maintain the Handguard?

175. How do you maintain the Receiver Assembly?

176. What are thing to look over when assembling the M240 Machine Gun?

177. What are thing to look for when inspecting your T&E assembly?

178. When should the gunner should clean the M240B machine gun?

179. What is the procedure for cleaning the M240 bore?

180. What is the procedure for cleaning the M240 chamber?

181. What is the procedure for cleaning the M240 receiver?

182. How do you clean the M240 gas regulator?

183. What parts should be lubricated with CLP?

184. What must you de after ensuring your weapon is cleaned and lubricated?

185. In unusual conditions, what are cleaning and lubrication protocols for the M240?

186. How do you install the Cover Assembly and Feed Tray?

187. How do you install the Trigger Housing Assembly?

188. How do you install the Bolt and Operating Rod Assembly?

189. How do you install the Drive-Spring Rod Assembly?

190. How do you install the Butt stock and Buffer Assembly?

191. The gunner must perform a function check to ensure that the M240B is correctly assembled by performing what steps in order?

192. What should you do before firing your M240?

193. What should you do during firing?

194. What should you do after firing?

195. What are the operation procedures of the M240?

196. What are loading procedures of the M240?

197. What are the M240 loading procedures?

198. What is the cycle of operations of the M240?

199. What occurs during the feeding stage of the M240?

200. What occurs during the chambering stage of the M240?

201. What occurs during the locking stage of the M240?

202. What occurs during the firing stage of the M240?

203. What occurs during the unlocking stage of the M240?

204. What occurs during the extracting stage of the M240?

205. What occurs during the ejecting stage of the M240?

206. What occurs during the cocking stage of the M240?

207. The M7 HMMWV pedestal and platform mount consists of what components?

208. How do you mount the weapon on the M7 pedestal?

209. How does the gunner dismount the weapon from the mount?

210. What is the procedure for dealing with a runaway gun?

211. What causes sluggish operation of the M240?

212. What can cause a misfire?

213. What causes a weapon cook off?

214. Stuck barrel is the result of the machine gun crew not properly cleaning the gas cylinder and gas regulator plug. During training or range firing, clear, disassemble, and clean the M240B immediately. In combat, clean it as soon as possible. If they cannot properly clean the weapon in these situations, then what can the crew do?

215. Why is an accurate initial burst important for effective fire?

216. Why is adjusting fire important for accuracy?

217. Why is speed important for effective marksmanship?

218. The trainer must realize that qualification is just a step toward reaching combat requirements. To reach this goal, the gunner considers his position, the use of his weapon, and some of the following combat conditions as well:

219. What is the most important aspect of marksmanship?

220. What is the method of aiming a machine gun?

221. How can you obtain proper sight alignment with a machine gun?

222. How does the focus of the eye impact marksmanship?

223. How does Sight Picture impact marksmanship?

224. How does breath control impact marksmanship?

225. How does trigger control impact marksmanship?

226. How do you assume a bipod supported prone position?

227. How do you get into a bipod supported fighting position?

228. How does the gunner get into a tripod supported prone position?

229. How does the gunner get into a tripod supported fighting position?

230. How does Steady Position impact machine gun use at night?

231. How does aim impact machine gun use at night?

232. How does Breath Control impact machine gun use at night?

233. How does Trigger Control impact machine gun use at night?

234. How can you lead moving targets using a machine gun?

235. What are tracking techniques for targets?

236. What are trapping techniques?

237. How should machine gun fires be applied?

238. How is machine gun fire adjusted?

239. What is the sight correction method of adjusting fire?

240. What is the adjusted aiming point method?

241. When selecting a new aiming point from bipod mode, he may have to shift his shoulders slightly to the left or right for windage corrections. For elevation changes, what does the gunner do?

242. How can you use the clock system to evaluate wind?

243. What are methods for measuring wind magnitude?

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244. What are some facts that help gunners asses wind?

245. What is the point method of assessing wind?

246. Dry-fire exercises train the techniques of loading, unloading, immediate action, remedial action, fundamentals of marksmanship, sight settings, and T&E manipulation. What do these exercises allow the gunner to do?

247. While the gunner performs the tasks, what should the AG do?

248. How does the gunner change elevation?

249. What are barrel changing procedures on a tripod?

250. What is trajectory?

251. What is maximum ordinate?

252. What is the cone of fire?

253. What is the beaten zone?

254. What is the danger space?

255. What is grazing fire?

256. What is plunging fire?

257. What is frontal fire?

258. What is flanking fire?

259. What is oblique fire?

260. What is enfilade fire?

261. What is fixed fire?

262. What is traversing fire?

263. What is searching fire?

264. What is traversing and searching fire?

265. What is free gun fire?

266. What is fixed fire for point targets?

267. What is traversing and searching fire for area targets?

268. What are linear targets?

269. What are deep targets?

270. What are linear targets with depth?

271. What does distribution, concentration, and rate of fire mean?

272. What does distribution of fire mean?

273. What does concentration of fire mean?

274. What does rate of fire mean?

275. What does sustained fire mean?

276. What does rapid fire mean?

277. What is rapid fire for the M249?

278. What is rapid fire for the M60 AND M240B?

279. What is cyclic fire?

280. What is the application, rate of fire, and maintenance of rapid fire? What are the disadvantages of rapid fire?

281. What is the application, rate of fire, and maintenance of cyclic fire? What are the disadvantages of cyclic fire?

282. What fire should you use when engaging a point target?

283. What fire should the gunner use when engaging an area target?

284. What is an effective method of engaging a linear target?

285. What is an effective method of engaging deep targets?

286. What is an effective method of engaging linear targets with depth?

287. What is an effective method for utilizing a pair of machine guns to engage area targets?

288. What is an effective method for utilizing a pair of machine guns to engage linear targets?

289. What is an effective method for utilizing a pair of machine guns to engage deep targets?

290. What is an effective method of using a pair of machine guns to engage a linear target with depth?

291. Fire delivered over the heads of friendly Soldiers is called overhead fire. What are considerations for providing overhead fire?

292. Who controls overhead fire? When should fires be shifted or lifted?

293. What is the procedure for providing overhead fire?

294. Gunners must follow what safety measures when delivering overhead fire?

295. What is a machine gun in defilade?

296. How can machine gunners provide fires over a hill?

297. What are advantages for engaging targets behind defliade?

298. What are disadvantages for engaging targets behind defilade?

299. What are important factors for engaging targets behind defilade?

300. How does the distance of the mask from the gun position impact its use?

301. Where should the observer be in relation to the gun?

302. If the aiming point is on the gun-to-target line, the gunner simply lays on the aiming point. What needs to be done if the gun is off of the gun-target line?

303. How do predetermined fires impact the use of machine guns?

304. What is a sector of fire?

305. What is a final protective fire?

306. What is a final protective line?

307. What is the principal direction of fire?

308. What are the characteristics of a good FPL?

309. How is the extent of grazing fire and dead space determined?

310. What is the primary sector of fire?

311. What is the secondary sector of fire?

312. What form helps assign sectors of fire?

313. The gunner prepares the range card as soon as he occupies the position, and he revises it constantly. What information is included on the range card?

314. The gunner uses the tripod to emplace the machine gun where he will be firing it. What does the gunner do immediately after?

315. What does the gunner do when using a FPL?

316. How does the gunner determine range for all targets in the sector?

317. What should the gunner and leader do when assigning sectors of fire using a FPL?

318. What should the gunner do when assigning sectors of fire using a PDF?

319. What tools can you use to assign sector limits?

320. What technique allows you to engage predetermined targets within a sector?

321. What are considerations for using verbal fire commands?

322. What are considerations for using hand and arm signal fire commands?

323. What are examples of prearranged fire signals?

324. When is personal contact used to issue orders?

325. What are other considerations for use of range cards?

326. Standing operating procedures (SOPs) are actions to be executed without command. These procedures are developed during squad training. Using SOPs eliminates the need for many commands and simplifies fire control. What are examples of SOPs?

327. What is the purpose of a fire command?

328. What is the purpose of an alert?

329. How do you verbally signal target directions?

330. What are methods for pointing out targets?

331. Another way to designate obscure targets is to use:

332. What does the leader always announce?

333. How is the method of fire announced?

334. How is the fire command announced?

335. What is range estimation?

336. What factors affect range estimation?

337. What factors cause range underestimation?

338. What factors cause range overestimation?

339. How does the gunner estimate range with a tripod?

340. How does a gunner estimate range using a tripod mount?

341. When should you fire from the underarm firing position?

342. When should you fire from the hip?

343. What do the potential for air and ground attacks mean?

344. What is the cause of successful operations?

345. How can the presence of a machine gun impact the success of combat opeations?

346. What are important factors for effective MG use in the offense?

347. Machine guns accompany what element?

348. When is the unit assigned additional machine gun assets?

349. How are machine guns used when in the assaulting unit?

350. How are machine guns supposed to be used in company level operations?

351. How is the machine gun fire distributed?

352. What is the epicenter of a unit's defense?

353. What is the primary requirement of a suitable machine gun position?

354. What may targets include?

355. What are the components of security?

356. What is the M192 LWGM is designed as?

357. What are passive measures for aircraft defense?

358. What are active measures for aircraft defense?

359. If an aircraft is attacking his position, the Soldier sees the aircraft in a head-on or diving view. To engage this aircraft, the Soldier would fire slightly above the nose of the aircraft. How would adjacent positions see the aircraft?

360. What are techniques for engaging high performance aircraft?