

## Question Paper

1. ■The core objective istoachieve highly scalable, resource -efficient■processing with \_\_\_\_\_ r
2. Development Language :which languages \_\_\_\_\_ used todevelop theCLPS . (2 marks)
3. In a short time ■When itcomes totheapplication ofstream processing,■wehave identified two u
4. Plays therole \_\_\_\_\_ broker inthewhole data -processing chain (2 marks)
5. \_\_\_\_\_ ■Defines asimple command -language tocreate■and drop continuous queries over XM
6. Pull-based means that CLPS isresponsible \_\_\_\_\_ fetching data, whereas■push -based mean
7. Data -generation System Tocollect and aggregate different types ofdata ,various forms of■sou
8. Logic Processing System Continuous Logic Processing System ■TelegraphCQ isdeveloped o
9. Keeping allthe data ,that \_\_\_\_\_ tobestored are either established■knowledge, which can guide
10. ■Even ifthe data sources are able toreplay the data stream■upon the retransmit request, the
11. Randomness and Imperfection ■Aslong asthedata sources arealive andthestream -processing
12. Event Processing (CEP) ■Todefine and preserve themutual relationship ofevents ,various■ty
13. ■Ensuring the timeliness ofprocessing requires the■ability tocollect, transfer, process, and p
14. Programming :which components need tobeprogrammed toapply the■continuous \_\_\_\_\_ . (2
15. ■The data generation process may induce randomness because■the data sources are norm
16. Data Transmission :the \_\_\_\_\_ that streaming data feeds the processing system . (2 marks)
17. ■Therefore, the computation complexity ofCEP logic isusually■lower \_\_\_\_\_ that ofDSMS .I
18. \_\_\_\_\_ areusually used asfunctional extensions oftheexisting■Data Base Management Syst
19. ■Esper issuitable for distributed event processing that has■different types ofevents \_\_\_\_\_ .
20. ofthe timeliness requirement ,■computations for analytics and pattern■recognition should be
21. Event Processing (CEP) ■Apache Storm caneasily fulfill therequirement ofCEP byusing them
22. ■Atypical use-case ofDSMS includes :■■Facerecognition from acontinuous video stream &■
23. \_\_\_\_\_ Medusa isanextension toAurora ,which leads to■ascalable and QoS -oriented archite
24. ■Awrong balancing decision may lead tounnecessary load -■shedding, dropping arrived mes
25. 20MCA 281 INTERNET OFTHINGS ■Sticking tosuch adeclarative model makes itpainful to■
26. major target ofwhich istonormally improve the■performance of the system ,especially bymaxi
27. ■Most ofthe stream data will bediscarded once they have■finished traversing through the str
28. isthe last breakthrough founded inthe first■generation ofCLPS, here the continuous queries a
29. State Consistency :whether thesystem isable toensure theconsistency state■foralllofthepartic
30. ■Based onthis, weformally define the denotation of■stream in the context of IoT, as a■Data
31. Accurate Recovery :whether theCLPS \_\_\_\_\_ toaccurately reproduce thesame■processing r

32. to that, the \_\_\_\_\_ of operations supported by these protocols are also limited. (2 marks)
33. It is \_\_\_\_\_ for processing aggregated data according to the designated continuous logic, Where
34. Volatility and Unrepeatability ■ A stream-processing \_\_\_\_\_ should include an integral data -
35. ■ The structure of a stream could consist of discrete signals, event logs, or any \_\_\_\_\_ of time
36. ■ Storm supports almost arbitrary programming languages such as Clojure, Java, Ruby, and
37. ■ Depending on the specific application scenario, data elements can be either regularly generated
38. ■ Borealis engine was developed on top of Medusa in order to integrate some advanced capabilities
39. ■ This architecture breaks down the whole \_\_\_\_\_-processing chain into several stages across
40. I. Complex \_\_\_\_\_ Processing (CEP) ■ There are several techniques being used to achieve the
41. Suppose you have an optimal solution for a subset of items, \_\_\_\_\_ you decide to add one
42. Although it is slower than Dijkstra's algorithm for graphs without negative weight edges, Bellman-Ford
43. Therefore, this dynamic programming solution is only practical for relatively small instances
44. The time complexity of this approach is  $O(n^2 * 2^n)$ , which is much better than
45. Conclusion ■ Dynamic programming, Principle of Optimality, Travelling Salesman Problem
46. The key idea behind the dynamic programming is to use a bitmask to represent the state
47. \_\_\_\_\_ of the Bellman-Ford Algorithm ■ The Bellman-Ford algorithm operates in the following
48. Detecting Negative Weight Cycles : The Bellman-Ford algorithm can be used to detect the presence of
49. Introduction to Dynamic Programming ■ Dynamic Programming (DP) is a powerful optimization
50. The key idea behind DP is to solve complex problems by breaking them down into smaller subproblems
51. Below are a few well-known examples: ■ Sequence : (2 marks)
52. Iteration : The relaxation process is repeated for all edges in the graph  $V$  times, where
53. ASSIGNMENT ■ 23MCA203 - Design & Analysis of Algorithms ■ Topic - Dynamic Programming
54. By saving the results of subproblems, DP ensures the same problem is not solved repeatedly
55. Dynamic programming is effective for problems that exhibit important properties: ■ Optimal Substructure
56. DP is often used in problems involving optimization, such as finding the shortest path
57. If this holds, dynamic programming can be applied to solve the problem efficiently.
58. Without it, dynamic programming would not be applicable, since solving the subproblems
59. Optimal Substructure : optimal solution to the problem can be constructed from the optimal solutions
60. In this approach, the problem is solved by recursively solving smaller subproblems. (2 marks)
61. The Bellman-Ford algorithm is based on the concept of edge relaxation, which
62. It states: ■ "An optimal policy (or solution) has the property that whatever the initial state and
63. The goal is to compute the  $n$ th Fibonacci number. (2 marks)
64. The subproblems are solved in a specific order that ensures the solution of each subproblem is available

65. The Bellman -Ford Algorithm is an algorithm used to find the shortest paths from a single source to all other vertices in a weighted graph.
66. This is an example \_\_\_\_\_ the Principle \_\_\_\_\_ Optimality in action. (2 marks)
67. The algorithm iterates through all the edges of the graph , attempting to improve the \_\_\_\_\_
68. TSP is an NP -hard problem, meaning that there is no \_\_\_\_\_ polynomial -time algorithm to solve it.
69. By solving each subproblem only once, DP \_\_\_\_\_ redundant computations, ■significantly improving efficiency.
70. Together, these techniques and algorithms are essential for solving \_\_\_\_\_ a wide range ■of real-world optimization problems.
71. A negative weight cycle is a cycle in the graph where the \_\_\_\_\_ weight of the ■edges in the cycle is negative.
72. If the path from A to B passes through a point C, then the path from C to B must also be the shortest path from C to B.
73. If this item is included in \_\_\_\_\_ optimal solution, ■\_\_\_\_\_n \_\_\_\_\_ remaining items must still be included.
74. The dynamic programming approach to TSP is known as the ■Held \_\_\_\_\_ Algorithm. (2 marks)
75. The algorithm recursively computes the shortest path for all possible subsets \_\_\_\_\_ ■cities.
76. Using dynamic programming, the ■Fibonacci \_\_\_\_\_ can be computed in linear time by storing intermediate results.
77. The Travelling Salesman Problem (TSP) ■1. Overview of TSP ■The Travelling Salesman Problem is a classic optimization problem.
78. Longest Common Subsequence (LCS ): Given two sequences, the problem is to find the longest subsequence common to both sequences.
79. TSP is ■a classic optimization problem that can be solved using dynamic programming for small instances.
80. Manufacturing : TSP is used in the optimization of drilling paths in printed circuit board manufacturing.
81. • \_\_\_\_\_ has \_\_\_\_\_ (1 marks)
82. • \_\_\_\_\_ , \_\_\_\_\_ how \_\_\_\_\_ can \_\_\_\_\_ any (1 marks)
83. • \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
84. • \_\_\_\_\_ , \_\_\_\_\_ ■ \_\_\_\_\_ to (1 marks)
85. • \_\_\_\_\_ (IoT) \_\_\_\_\_ (1 marks)
86. What is the definition or explanation of 'INTERNET'? (2 marks)
87. What is the definition or explanation of 'ROBUSTNESS'? (2 marks)
88. What is the definition or explanation of 'RELIABILITYINTRODUCTION'? (2 marks)
89. What is the definition or explanation of 'Agreement'? (2 marks)
90. What is the definition or explanation of 'Serviceability'? (2 marks)
91. Explain the concept or significance of the following statement:■•Next, we would like to know the importance of the following statement:■
92. Explain the concept or significance of the following statement:■IOT CHARACTERISTICS AND IMPORTANCE
93. Explain the concept or significance of the following statement:■IOT ARCHITECTURE AND IMPORTANCE
94. Discuss in detail: IOT ARCHITECTURE IN BRIEF - LAYERED ARCHITECTURE
95. Discuss in detail: IOT ARCHITECTURE IN BRIEF - (10 marks)
96. \_\_\_\_\_ is a \_\_\_\_\_ has \_\_\_\_\_ how (1 marks)
97. \_\_\_\_\_ and \_\_\_\_\_ use and \_\_\_\_\_ (1 marks)

98. \_\_\_\_\_ to \_\_\_\_\_ and \_\_\_\_\_ — \_\_\_\_\_ as \_\_\_\_\_, \_\_\_\_\_, (1 marks)
99. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ — \_\_\_\_\_ the \_\_\_\_\_ ("the (1 marks)
100. \_\_\_\_\_") to \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ of \_\_\_\_\_ (1 marks)
101. What is the definition or explanation of 'Assignment'? (2 marks)
102. What is the definition or explanation of 'Virtualization'? (2 marks)
103. What is the definition or explanation of 'Containers'? (2 marks)
104. What is the definition or explanation of 'Computing'? (2 marks)
105. What is the definition or explanation of 'Submitted'? (2 marks)
106. Explain the concept or significance of the following statement: ■ users to access and utilize o
107. Explain the concept or significance of the following statement: ■ databases, networking, softw
108. Explain the concept or significance of the following statement: ■ cloud") to offer faster innova
109. ■ \_\_\_\_\_ and \_\_\_\_\_ (1 marks)
110. ■ \_\_\_\_\_ run \_\_\_\_\_ and \_\_\_\_\_'s (1 marks)
111. ■ \_\_\_\_\_ are \_\_\_\_\_ (1 marks)
112. \_\_\_\_\_ the \_\_\_\_\_ (1 marks)
113. • \_\_\_\_\_ (1 marks)
114. What is the definition or explanation of 'NETWORKING'? (2 marks)
115. What is the definition or explanation of 'ADMINISTRATION'? (2 marks)
116. What is the definition or explanation of 'Prepared'? (2 marks)
117. What is the definition or explanation of 'Gloriya'? (2 marks)
118. What is the definition or explanation of 'Mathew,'? (2 marks)
119. \_\_\_\_\_ and the \_\_\_\_\_ : (1 marks)
120. ■ \_\_\_\_\_, Web, \_\_\_\_\_, FTP, \_\_\_\_\_, (1 marks)
121. ■ \_\_\_\_\_ can \_\_\_\_\_, \_\_\_\_\_, (1 marks)
122. ■ \_\_\_\_\_ can \_\_\_\_\_ a (1 marks)
123. \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_ (1 marks)
124. What is the definition or explanation of 'Advanced'? (2 marks)
125. What is the definition or explanation of 'Computer'? (2 marks)
126. What is the definition or explanation of 'Networks'? (2 marks)
127. Explain the concept or significance of the following statement: ■ ■ Network layer 7 application
128. Explain the concept or significance of the following statement: ■ ■ LAN is usually privately ow
129. Explain the concept or significance of the following statement: ■ • It helps to reduce error, and
130. \_\_\_\_\_ : (1 marks)

131. ■ \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, (1 marks)
132. ■ \_\_\_\_\_, \_\_\_\_\_, (1 marks)
133. ■ \_\_\_\_\_ (1 marks)
134. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
135. ■ \_\_\_\_\_ ( \_\_\_\_\_ ) \_\_\_\_\_ (1 marks)
136. ■ \_\_\_\_\_, (1 marks)
137. ■ \_\_\_\_\_ (1 marks)
138. ■ \_\_\_\_\_ (1 marks)
139. ■ \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
140. ■ \_\_\_\_\_, (1 marks)
141. ■ \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
142. \_\_\_\_\_ (1 marks)
143. ■ \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
144. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
145. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
146. \_\_\_\_\_ : \_\_\_\_\_ (1 marks)
147. ■ \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
148. ■ \_\_\_\_\_ ; \_\_\_\_\_ (1 marks)
149. ■ \_\_\_\_\_ ; (1 marks)
150. \_\_\_\_\_ (1 marks)
151. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
152. \_\_\_\_\_ : \_\_\_\_\_ (1 marks)
153. \_\_\_\_\_ : \_\_\_\_\_ (1 marks)
154. • \_\_\_\_\_ (1 marks)
155. • \_\_\_\_\_ (1 marks)
156. • \_\_\_\_\_ :- \_\_\_\_\_ (1 marks)
157. • \_\_\_\_\_ ( \_\_\_\_\_ ) \_\_\_\_\_ (1 marks)
158. • \_\_\_\_\_ ( \_\_\_\_\_ ) \_\_\_\_\_ ( \_\_\_\_\_ ) (1 marks)
159. • \_\_\_\_\_, \_\_\_\_\_ (1 marks)
160. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
161. ■ \_\_\_\_\_ ( \_\_\_\_\_ ) (1 marks)
162. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
163. ■ \_\_\_\_\_ (1 marks)

164. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
165. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
166. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
167. ■ \_\_\_\_\_ - \_\_\_\_\_ (\_\_\_\_), \_\_\_\_\_ - \_\_\_\_\_ (\_\_\_\_), \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_
168. ■ \_\_\_\_\_ (1 marks)
169. ■ \_\_\_\_\_
170. ■ \_\_\_\_\_ (1 marks)
171. ■ \_\_\_\_\_ (\_\_\_\_) \_\_\_\_\_ (1 marks)
172. \_\_\_\_\_ (1 marks)
173. ■ \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
174. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
175. ■ \_\_\_\_\_ (1 marks)
176. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
177. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
178. \_\_\_\_\_ (\_\_\_\_) \_\_\_\_\_ (1 marks)
179. ■ \_\_\_\_\_ ; (1 marks)
180. ■ \_\_\_\_\_ (1 marks)
181. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
182. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
183. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
184. • \_\_\_\_\_, \_\_\_\_\_ (1 marks)
185. ■ \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
186. \_\_\_\_\_ (\_\_\_\_) (1 marks)
187. ■ \_\_\_\_\_ : (1 marks)
188. ■ \_\_\_\_\_ (\_\_\_\_) \_\_\_\_\_ (1 marks)
189. • \_\_\_\_\_ (\_\_\_\_) \_\_\_\_\_ (1 marks)
190. • \_\_\_\_\_ (\_\_\_\_) (1 marks)
191. • \_\_\_\_\_ : \_\_\_\_\_ (\_\_\_\_), (1 marks)
192. • \_\_\_\_\_ (1 marks)
193. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
194. • \_\_\_\_\_, \_\_\_\_\_ (1 marks)
195. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
196. , \_\_\_\_\_ (1 marks)

197. ■ \_\_\_\_\_: (1 marks)
198. ■ \_\_\_\_\_ - \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
199. \_\_\_\_\_, \_\_\_\_\_; (1 marks)
200. ■ \_\_\_\_\_: \_\_\_\_\_ (1 marks)
201. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
202. \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
203. \_\_\_\_\_; \_\_\_\_\_
204. \_\_\_\_\_ (1 marks)
205. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
206. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
207. \_\_\_\_\_ (1 marks)
208. ■ \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
209. ■ \_\_\_\_\_ (1 marks)
210. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
211. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
212. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
213. \_\_\_\_\_: \_\_\_\_\_ - \_\_\_\_\_
214. ■ \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
215. ■ \_\_\_\_\_: \_\_\_\_\_ ( \_\_\_\_\_ ) \_\_\_\_\_ (1 marks)
216. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
217. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
218. ■ \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
219. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
220. • \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
221. ■ \_\_\_\_\_, (1 marks)
222. ■ \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
223. ■ \_\_\_\_\_ (1 marks)
224. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
225. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
226. ■ \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
227. \_\_\_\_\_) \_\_\_\_\_ (1 marks)
228. \_\_\_\_\_) \_\_\_\_\_ (1 marks)
229. \_\_\_\_\_) \_\_\_\_\_ (1 marks)

230. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
231. ■ \_\_\_\_\_ (1 marks)
232. ■ \_\_\_\_\_ - \_\_\_\_\_, (1 marks)
233. ■ \_\_\_\_\_ :- \_\_\_\_\_ - \_\_\_\_\_ ( \_\_\_\_\_ ), (1 marks)
234. \_\_\_\_\_ (1 marks)
235. ■ \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
236. ■ \_\_\_\_\_ ( \_\_\_\_\_ ), \_\_\_\_\_ (1 marks)
237. ■ \_\_\_\_\_ (1 marks)
238. \_\_\_\_\_ - \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
239. ■ \_\_\_\_\_ - \_\_\_\_\_, \_\_\_\_\_ (1 marks)
240. \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
241. \_\_\_\_\_ : (1 marks)
242. ■ \_\_\_\_\_ (1 marks)
243. ■ \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
244. ■ \_\_\_\_\_ ; (1 marks)
245. ■ \_\_\_\_\_ (1 marks)
246. ■ \_\_\_\_\_, \_\_\_\_\_, (1 marks)
247. ■ \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
248. \_\_\_\_\_ / \_\_\_\_\_, \_\_\_\_\_ (1 marks)
249. \_\_\_\_\_ / \_\_\_\_\_, \_\_\_\_\_ (1 marks)
250. ■ \_\_\_\_\_, \_\_\_\_\_ (1 marks)
251. ■ \_\_\_\_\_ : (1 marks)
252. \_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
253. \_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
254. \_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_, \_\_\_\_\_ (1 marks)
255. ■ \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, (1 marks)
256. ■ \_\_\_\_\_, \_\_\_\_\_ = \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ (1 marks)
257. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
258. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
259. ■ \_\_\_\_\_ ( \_\_\_\_\_ ) \_\_\_\_\_ (1 marks)
260. ■ \_\_\_\_\_ : \_\_\_\_\_ (1 marks)
261. ■ \_\_\_\_\_ : \_\_\_\_\_ (1 marks)
262. \_\_\_\_\_, \_\_\_\_\_ (1 marks)



263. ■ \_\_\_\_\_ :- \_\_\_\_\_ (1 marks)
264. ■ \_\_\_\_\_ ( \_\_\_\_\_ ) \_\_\_\_\_ (1 marks)
265. ■ \_\_\_\_\_ ( \_\_\_\_\_ ) \_\_\_\_\_ (1 marks)
266. ■ \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
267. \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
268. \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
269. \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
270. \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
271. • \_\_\_\_\_ : (1 marks)
272. ■ \_\_\_\_\_ , (1 marks)
273. \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
274. ■ \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
275. \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
276. \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
277. \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
278. ■ \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
279. • \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
280. • \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
281. ■ \_\_\_\_\_ (1 marks)
282. \_\_\_\_\_ (1 marks)
283. ■ \_\_\_\_\_ (1 marks)
284. \_\_\_\_\_ (1 marks)
285. \_\_\_\_\_ ) \_\_\_\_\_ - \_\_\_\_\_ ( \_\_\_\_\_ - \_\_\_\_\_ ) (1 marks)
286. \_\_\_\_\_ ) \_\_\_\_\_ ( \_\_\_\_\_ ) : \_\_\_\_\_ (1 marks)
287. \_\_\_\_\_ ) \_\_\_\_\_ - \_\_\_\_\_ ( \_\_\_\_\_ - \_\_\_\_\_ ) : \_\_\_\_\_
288. \_\_\_\_\_ ) \_\_\_\_\_ - \_\_\_\_\_ ( \_\_\_\_\_ - \_\_\_\_\_ ) : \_\_\_\_\_ - \_\_\_\_\_
289. \_\_\_\_\_ ) \_\_\_\_\_ ( \_\_\_\_\_ ) : \_\_\_\_\_ - \_\_\_\_\_
290. \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
291. \_\_\_\_\_ ) \_\_\_\_\_ ( \_\_\_\_\_ ) : \_\_\_\_\_ (1 marks)
292. • \_\_\_\_\_ ■ \_\_\_\_\_ ; (1 marks)
293. • \_\_\_\_\_ (1 marks)
294. • \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
295. • \_\_\_\_\_ : \_\_\_\_\_ , \_\_\_\_\_ (1 marks)

296. • \_\_\_\_\_ (1 marks)
297. ■ ' \_\_\_\_\_ ' \_\_\_\_\_ ■ \_\_\_\_\_ (1 marks)
298. ■ \_\_\_\_\_ = \_\_\_\_\_ + \_\_\_\_\_ (1 marks)
299. ■ \_\_\_\_\_ = ( \_\_\_\_\_ + \_\_\_\_\_ ) / \_\_\_\_\_ (1 marks)
300. • ( \_\_\_\_\_ ■ \_\_\_\_\_ (1 marks)
301. ■ \_\_\_\_\_ , \_\_\_\_\_ - \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
302. \_\_\_\_\_ ( \_\_\_\_\_ (1 marks)
303. ■ \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
304. \_\_\_\_\_ ( \_\_\_\_\_ ) \_\_\_\_\_ (1 marks)
305. • \_\_\_\_\_ :- \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
306. ■ \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
307. ■ \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
308. ( \_\_\_\_\_ ( \_\_\_\_\_ ) ) \_\_\_\_\_ (1 marks)
309. \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
310. • \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
311. \_\_\_\_\_ ( \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_ (1 marks)
312. \_\_\_\_\_ ( \_\_\_\_\_ ) :- \_\_\_\_\_ (1 marks)
313. ■ \_\_\_\_\_ & \_\_\_\_\_ ( \_\_\_\_\_ ) (1 marks)
314. ■ \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
315. \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
316. ■ \_\_\_\_\_ :- \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
317. What is the definition or explanation of 'Professor,'? (2 marks)
318. What is the definition or explanation of 'College'? (2 marks)
319. What is the definition or explanation of 'Engineering.Module'? (2 marks)
320. What is the definition or explanation of 'Overview'? (2 marks)
321. What is the definition or explanation of 'Protocol'? (2 marks)
322. What is the definition or explanation of 'POP3,and'? (2 marks)
323. What is the definition or explanation of 'Engineering.Networks'? (2 marks)
324. What is the definition or explanation of 'Engineering.Personal'? (2 marks)
325. What is the definition or explanation of 'Communication'? (2 marks)
326. What is the definition or explanation of 'Engineering.Local'? (2 marks)
327. What is the definition or explanation of 'Network(LAN)'? (2 marks)
328. What is the definition or explanation of 'LAN,which'? (2 marks)

329. What is the definition or explanation of 'LAN,that'? (2 marks)
330. What is the definition or explanation of 'Engineering.Figure'? (2 marks)
331. What is the definition or explanation of 'Isolated'? (2 marks)
332. What is the definition or explanation of 'Network'? (2 marks)
333. What is the definition or explanation of 'WANs23MCA104'? (2 marks)
334. What is the definition or explanation of 'Engineering.Figure:'? (2 marks)
335. What is the definition or explanation of 'Switched'? (2 marks)
336. What is the definition or explanation of 'Engineering.Internetwork'? (2 marks)
337. What is the definition or explanation of 'Engineering.Fig:'? (2 marks)
338. What is the definition or explanation of 'Internetwork'? (2 marks)
339. What is the definition or explanation of 'Engineering.Metropolitan'? (2 marks)
340. What is the definition or explanation of 'Network('? (2 marks)
341. What is the definition or explanation of 'LAN)23MCA104'? (2 marks)
342. What is the definition or explanation of 'Engineering.Networking'? (2 marks)
343. What is the definition or explanation of 'Internetworking'? (2 marks)
344. What is the definition or explanation of 'Devices'? (2 marks)
345. What is the definition or explanation of 'Engineering.23MCA104'? (2 marks)
346. What is the definition or explanation of 'Engineering.Repeaters'? (2 marks)
347. What is the definition or explanation of 'InLocal'? (2 marks)
348. What is the definition or explanation of 'Engineering.Hub('? (2 marks)
349. What is the definition or explanation of 'Broadcasting)?' (2 marks)
350. What is the definition or explanation of 'Engineering.Hub'? (2 marks)
351. What is the definition or explanation of 'Passive'? (2 marks)
352. What is the definition or explanation of 'Intelligent'? (2 marks)
353. What is the definition or explanation of 'Hub23MCA104'? (2 marks)
354. What is the definition or explanation of 'Engineering.Switch'? (2 marks)
355. What is the definition or explanation of 'Engineering.Bridges'? (2 marks)
356. What is the definition or explanation of 'LANs(with'? (2 marks)
357. What is the definition or explanation of 'LAN.23MCA104'? (2 marks)
358. What is the definition or explanation of 'Engineering.Bridges23MCA104'? (2 marks)
359. What is the definition or explanation of 'Engineering.'? (2 marks)
360. What is the definition or explanation of 'Bridges'? (2 marks)
361. What is the definition or explanation of 'Engineering.Router'? (2 marks)

- 362. What is the definition or explanation of 'Managing'? (2 marks)
- 363. What is the definition or explanation of 'IPAddresses'? (2 marks)
- 364. What is the definition or explanation of 'Allowing'? (2 marks)
- 365. What is the definition or explanation of 'Routing'? (2 marks)
- 366. What is the definition or explanation of 'Engineering.Working'? (2 marks)
- 367. What is the definition or explanation of 'Routers:'? (2 marks)
- 368. What is the definition or explanation of 'IPAddress'? (2 marks)
- 369. What is the definition or explanation of 'HP,Juniper,'? (2 marks)
- 370. What is the definition or explanation of 'D-Link,'? (2 marks)
- 371. What is the definition or explanation of 'Nortel,'? (2 marks)
- 372. What is the definition or explanation of 'VsRouter'? (2 marks)
- 373. What is the definition or explanation of 'Engineering.Router23MCA104'? (2 marks)
- 374. What is the definition or explanation of 'Engineering.RouterGateways'? (2 marks)
- 375. What is the definition or explanation of 'Engineering.Gateways'? (2 marks)
- 376. What is the definition or explanation of 'Engineering.NETWORK'? (2 marks)
- 377. What is the definition or explanation of 'Adapter'? (2 marks)
- 378. What is the definition or explanation of 'Interface'? (2 marks)
- 379. What is the definition or explanation of 'Engineering.1.'? (2 marks)
- 380. What is the definition or explanation of 'Internal'? (2 marks)
- 381. What is the definition or explanation of 'Peripheral'? (2 marks)
- 382. What is the definition or explanation of 'Component'? (2 marks)
- 383. What is the definition or explanation of 'Interconnect'? (2 marks)
- 384. What is the definition or explanation of 'Industry'? (2 marks)
- 385. What is the definition or explanation of 'Standard'? (2 marks)
- 386. What is the definition or explanation of 'Architecture'? (2 marks)
- 387. What is the definition or explanation of 'Engineering.2.'? (2 marks)
- 388. What is the definition or explanation of 'External'? (2 marks)
- 389. What is the definition or explanation of 'Engineering.Unique'? (2 marks)
- 390. What is the definition or explanation of 'Identifiers'? (2 marks)
- 391. What is the definition or explanation of 'Identifiers:'? (2 marks)
- 392. What is the definition or explanation of 'Address'? (2 marks)
- 393. What is the definition or explanation of 'Engineering.IPAddress'? (2 marks)
- 394. What is the definition or explanation of 'Protocol'? (2 marks)

- 395. What is the definition or explanation of 'Network:'? (2 marks)
- 396. What is the definition or explanation of 'Engineering.MAC'? (2 marks)
- 397. What is the definition or explanation of 'Control'? (2 marks)
- 398. What is the definition or explanation of 'Address)'? (2 marks)
- 399. What is the definition or explanation of 'Engineering.Port'? (2 marks)
- 400. What is the definition or explanation of 'Engineering.Switching'? (2 marks)
- 401. What is the definition or explanation of 'Engineering.■AnInternet'? (2 marks)
- 402. What is the definition or explanation of 'Circuit'? (2 marks)
- 403. What is the definition or explanation of 'Engineering.A'? (2 marks)
- 404. What is the definition or explanation of 'Fig:Four'? (2 marks)
- 405. What is the definition or explanation of 'Engineering.Drawbacks'? (2 marks)
- 406. What is the definition or explanation of 'Engineering.■The'? (2 marks)
- 407. What is the definition or explanation of 'Switching:'? (2 marks)
- 408. What is the definition or explanation of 'Engineering.Packet'? (2 marks)
- 409. What is the definition or explanation of 'Switching:Packet'? (2 marks)
- 410. What is the definition or explanation of 'Engineering.■Arouter'? (2 marks)
- 411. What is the definition or explanation of 'Engineering.Advantage'? (2 marks)
- 412. What is the definition or explanation of 'Disdvantage'? (2 marks)
- 413. What is the definition or explanation of 'Engineering.●Two'? (2 marks)
- 414. What is the definition or explanation of 'Switching'? (2 marks)
- 415. What is the definition or explanation of 'SwitchingPacket'? (2 marks)
- 416. What is the definition or explanation of 'Engineering.i.'? (2 marks)
- 417. What is the definition or explanation of 'Datagram'? (2 marks)
- 418. What is the definition or explanation of 'Engineering.ii.'? (2 marks)
- 419. What is the definition or explanation of 'Virtual'? (2 marks)
- 420. What is the definition or explanation of 'Engineering.H.w'? (2 marks)
- 421. What is the definition or explanation of 'Engineering.QUEUEING'? (2 marks)
- 422. What is the definition or explanation of 'Engineering.QUEUE'? (2 marks)
- 423. What is the definition or explanation of 'Engineering.QUEUE:'? (2 marks)
- 424. What is the definition or explanation of 'Congestion'? (2 marks)
- 425. What is the definition or explanation of 'Queuing'? (2 marks)
- 426. What is the definition or explanation of 'Disciplines'? (2 marks)
- 427. What is the definition or explanation of 'Engineering.■Tomanage'? (2 marks)

428. What is the definition or explanation of 'InRouters'? (2 marks)
429. What is the definition or explanation of 'Protocol','? (2 marks)
430. What is the definition or explanation of 'Engineering.FIFO'? (2 marks)
431. What is the definition or explanation of 'Engineering.a)FIFO'? (2 marks)
432. What is the definition or explanation of 'PRIORITY'? (2 marks)
433. What is the definition or explanation of 'Engineering.PRIORITY'? (2 marks)
434. What is the definition or explanation of 'Drawback'? (2 marks)
435. What is the definition or explanation of 'Starvation'? (2 marks)
436. What is the definition or explanation of 'Destination'? (2 marks)
437. What is the definition or explanation of 'Queuing:'? (2 marks)
438. What is the definition or explanation of 'Engineering.Weighted'? (2 marks)
439. What is the definition or explanation of 'Weighted'? (2 marks)
440. What is the definition or explanation of 'AtoBthere'? (2 marks)
441. What is the definition or explanation of 'Forward'? (2 marks)
442. What is the definition or explanation of 'Processing'? (2 marks)
443. What is the definition or explanation of 'Transmission'? (2 marks)
444. What is the definition or explanation of 'Propagation'? (2 marks)
445. What is the definition or explanation of 'Engineering.Nodal'? (2 marks)
446. What is the definition or explanation of 'Engineering.●Processing'? (2 marks)
447. What is the definition or explanation of 'Engineering.●Transmission'? (2 marks)
448. What is the definition or explanation of 'Delay=L/R'? (2 marks)
449. What is the definition or explanation of 'AtoRouter'? (2 marks)
450. What is the definition or explanation of 'B(Rbits'? (2 marks)
451. What is the definition or explanation of 'Engineering.■Propagation'? (2 marks)
452. What is the definition or explanation of 'Engineering.Throughput'? (2 marks)
453. What is the definition or explanation of 'Bisreceiving'? (2 marks)
454. What is the definition or explanation of 'Tseconds'? (2 marks)
455. What is the definition or explanation of 'Engineering.Quality'? (2 marks)
456. What is the definition or explanation of 'Service'? (2 marks)
457. What is the definition or explanation of 'Engineering.●Incomputer'? (2 marks)
458. What is the definition or explanation of 'Engineering.Data-Flow'? (2 marks)
459. What is the definition or explanation of 'Characteristics'? (2 marks)
460. What is the definition or explanation of 'Reliability','? (2 marks)

461. What is the definition or explanation of 'Jitter,'? (2 marks)
462. What is the definition or explanation of 'Bandwidth'? (2 marks)
463. What is the definition or explanation of 'Reliability'? (2 marks)
464. What is the definition or explanation of 'Applications:'? (2 marks)
465. What is the definition or explanation of 'Quality'? (2 marks)
466. What is the definition or explanation of 'Service:'? (2 marks)
467. What is the definition or explanation of 'Eg:-Amazon'? (2 marks)
468. What is the definition or explanation of 'YouTube'? (2 marks)
469. What is the definition or explanation of 'Applications('? (2 marks)
470. What is the definition or explanation of 'Engineering.Flow'? (2 marks)
471. What is the definition or explanation of 'Classes:'? (2 marks)
472. What is the definition or explanation of 'Engineering.Asper'? (2 marks)
473. What is the definition or explanation of 'BitRate'? (2 marks)
474. What is the definition or explanation of 'Engineering.a)Constant'? (2 marks)
475. What is the definition or explanation of 'Improve'? (2 marks)
476. What is the definition or explanation of 'Mechanisms:'? (2 marks)
477. What is the definition or explanation of 'Shaping'? (2 marks)
478. What is the definition or explanation of 'Policing'? (2 marks)
479. What is the definition or explanation of 'Reservation'? (2 marks)
480. What is the definition or explanation of 'ControlQuality'? (2 marks)
481. What is the definition or explanation of 'Traffic'? (2 marks)
482. What is the definition or explanation of 'Engineering.Leaky'? (2 marks)
483. What is the definition or explanation of 'Engineering.•ALeaky'? (2 marks)
484. What is the definition or explanation of 'Algorithm'? (2 marks)
485. What is the definition or explanation of 'Implementation'? (2 marks)
486. What is the definition or explanation of 'Bucket:'? (2 marks)
487. What is the definition or explanation of 'Engineering.•The'? (2 marks)
488. What is the definition or explanation of 'Service('? (2 marks)
489. What is the definition or explanation of 'IntServ'? (2 marks)
490. What is the definition or explanation of 'Effort(least'? (2 marks)
491. What is the definition or explanation of 'Engineering.Integrated'? (2 marks)
492. What is the definition or explanation of 'Services'? (2 marks)
493. What is the definition or explanation of 'Engineering'? (2 marks)

494. What is the definition or explanation of 'Engineering.■Integrated'? (2 marks)
495. What is the definition or explanation of 'Specification'? (2 marks)
496. What is the definition or explanation of 'Engineering.Admission'? (2 marks)
497. What is the definition or explanation of 'Engineering.Service'? (2 marks)
498. What is the definition or explanation of 'Classes'? (2 marks)
499. What is the definition or explanation of 'Engineering.Guaranteed'? (2 marks)
500. What is the definition or explanation of 'IP).Integrated'? (2 marks)
501. What is the definition or explanation of 'Engineering.Controlled'? (2 marks)
502. Explain the concept or significance of: ■Network layer 7application architecture, Web, HTTP
503. Explain the concept or significance of: ■LAN is usually privately owned and connects some l
504. Explain the concept or significance of: •It helps to reduce error, and loss of data and provides
505. Explain the concept or significance of: ■Whenever a data packet is obtained from the interface
506. Explain the concept or significance of: ■Switches have the ability to carry out some error che
507. Explain the concept or significance of: the collision between the data packets being sent over
508. Explain the concept or significance of: that can handle four voice communications at the sam
509. Explain the concept or significance of: two telephone sets when they are being used, we see
510. Explain the concept or significance of: Figure : shows a small packet -switched network that c
511. Explain the concept or significance of: ■Routers are essential networking devices that direc
512. Explain the concept or significance of: ■Routers have one or more input and output interface
513. Explain the concept or significance of: ■This occurs if the rate of arrival of the packets is great
514. Explain the concept or significance of: ■A priority queue can provide better QoS than the FI
515. Explain the concept or significance of: may have the throughput of  $R/3$ , and the class with the
516. Explain the concept or significance of: ■Let  $d_{proc}$ ,  $d_{queue}$ ,  $d_{trans}$ , and  $d_{drop}$  denote the pr
517. Explain the concept or significance of: ■Total nodal delay ,  $d_{nodal} = d_{proc} + d_{queue} + d_{trans}$
518. Explain the concept or significance of: b) Variable Bit Rate -Non Real Time (VBR -NRT) : Use
519. Explain the concept or significance of: c) Variable Bit Rate -Real Time (VBR -RT): This class
520. Explain the concept or significance of: d) Available Bit Rate (ABR) : This class of ATM service
521. Explain the concept or significance of: e) Unspecified Bit Rate (UBR) : This class includes allo
522. Explain the concept or significance of: •A Leaky Bucket Algorithm shapes bursty traffic into fi
523. Explain the concept or significance of: •The maximum number of cells that can enter the netw
524. Explain the concept or significance of: ■What is important are the resources the application
525. Explain the concept or significance of: ■Integrated Services is a flow -based QoS model des
526. Explain the concept or significance of: ■In this model packets are marked by routers accord



527. \_\_\_\_\_ (\_\_\_\_\_) - \_\_\_\_\_ (1 marks)
528. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
529. \_\_\_\_\_ (1 marks)
530. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
531. \_\_\_\_\_ (1 marks)
532. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
533. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
534. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
535. \_\_\_\_\_ (\_\_\_\_\_) \_\_\_\_\_ (1 marks)
536. \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
537. \_\_\_\_\_ (\_\_\_\_\_) \_\_\_\_\_ (1 marks)
538. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
539. \_\_\_\_\_ (\_\_\_\_\_), \_\_\_\_\_ (1 marks)
540. \_\_\_\_\_, \_\_\_\_\_ - (1 marks)
541. \_\_\_\_\_, \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
542. \_\_\_\_\_ (\_\_\_\_\_) \_\_\_\_\_ (1 marks)
543. \_\_\_\_\_, (1 marks)
544. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
545. \_\_\_\_\_ - \_\_\_\_\_, \_\_\_\_\_
546. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
547. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
548. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
549. \_\_\_\_\_, \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
550. \_\_\_\_\_, (1 marks)
551. \_\_\_\_\_ - \_\_\_\_\_, \_\_\_\_\_ (1 marks)
552. \_\_\_\_\_, \_\_\_\_\_, (1 marks)
553. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
554. \_\_\_\_\_, (1 marks)
555. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
556. \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
557. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
558. \_\_\_\_\_, \_\_\_\_\_ ++, (1 marks)
559. \_\_\_\_\_ - \_\_\_\_\_ (1 marks)

560. \_\_\_\_\_ (\_\_\_\_\_) - \_\_\_\_\_ (1 mark)
561. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
562. \_\_\_\_\_, \_\_\_\_\_ - \_\_\_\_\_ - (1 marks)
563. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
564. \_\_\_\_\_, \_\_\_\_\_ - (1 marks)
565. \_\_\_\_\_ (1 marks)
566. \_\_\_\_\_ “ \_\_\_\_\_ (1 marks)
567. \_\_\_\_\_: \_\_\_\_\_ ” \_\_\_\_\_ (1 marks)
568. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
569. \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
570. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
571. \_\_\_\_\_ (1 marks)
572. \_\_\_\_\_ (1 marks)
573. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
574. \_\_\_\_\_ “ \_\_\_\_\_ (1 marks)
575. \_\_\_\_\_ - \_\_\_\_\_ ” (1 marks)
576. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
577. \_\_\_\_\_ (1 marks)
578. \_\_\_\_\_
579. \_\_\_\_\_, \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
580. \_\_\_\_\_ (\_\_\_\_\_) (1 mark)
581. \_\_\_\_\_ (\_\_\_\_\_) \_\_\_\_\_ (1 marks)
582. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
583. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
584. \_\_\_\_\_, \_\_\_\_\_ ' \_\_\_\_\_ (1 marks)
585. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
586. \_\_\_\_\_ (\_\_\_\_\_) \_\_\_\_\_ (1 marks)
587. \_\_\_\_\_: \_\_\_\_\_ (1 marks)
588. \_\_\_\_\_, (1 marks)
589. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
590. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
591. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
592. \_\_\_\_\_, \_\_\_\_\_ (1 marks)

593. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
594. \_\_\_\_\_ - (1 marks)
595. \_\_\_\_\_ (1 marks)
596. " \_\_\_\_\_ " > " \_\_\_\_\_ " \_\_\_\_\_, \_\_\_\_\_ (1 marks)
597. \_\_\_\_\_ (1 marks)
598. \_\_\_\_\_ (1 marks)
599. \_\_\_\_\_ (1 marks)
600. \_\_\_\_\_ (1 marks)
601. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
602. \_\_\_\_\_: \_\_\_\_\_ (1 marks)
603. \_\_\_\_\_, \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
604. \_\_\_\_\_ " \_\_\_\_\_ " \_\_\_\_\_
605. \_\_\_\_\_ (1 marks)
606. \_\_\_\_\_ ' \_\_\_\_\_ (1 marks)
607. \_\_\_\_\_ (1 marks)
608. \_\_\_\_\_ (1 marks)
609. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
610. \_\_\_\_\_ (1 marks)
611. \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
612. \_\_\_\_\_ (1 marks)
613. \_\_\_\_\_ ' \_\_\_\_\_ (1 marks)
614. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ (1 marks)
615. \_\_\_\_\_, \_\_\_\_\_ (1 marks)
616. \_\_\_\_\_: \_\_\_\_\_ (1 marks)
617. \_\_\_\_\_: \_\_\_\_\_ (1 marks)
618. \_\_\_\_\_ & \_\_\_\_\_, \_\_\_\_\_ (\_\_\_\_\_), \_\_\_\_\_ - \_\_\_\_\_ (1 marks)
619. What is the definition or explanation of 'Proceedings'? (2 marks)
620. What is the definition or explanation of 'National'? (2 marks)
621. What is the definition or explanation of 'Conference'? (2 marks)
622. What is the definition or explanation of 'Emerging'? (2 marks)
623. What is the definition or explanation of 'Applications'? (2 marks)
624. What is the definition or explanation of 'Issue.1'? (2 marks)
625. What is the definition or explanation of 'Applications, '? (2 marks)

626. What is the definition or explanation of 'Kanjirappally,'? (2 marks)
627. What is the definition or explanation of 'Kottayam'? (2 marks)
628. What is the definition or explanation of 'REALITY'? (2 marks)
629. What is the definition or explanation of 'LEARNING'? (2 marks)
630. What is the definition or explanation of 'Abstract—'? (2 marks)
631. What is the definition or explanation of 'Blender'? (2 marks)
632. What is the definition or explanation of 'Examples'? (2 marks)
633. What is the definition or explanation of 'Keywords'? (2 marks)
634. What is the definition or explanation of 'Reality,'? (2 marks)
635. What is the definition or explanation of 'Immersive'? (2 marks)
636. What is the definition or explanation of 'Experience,'? (2 marks)
637. What is the definition or explanation of 'Modeling,'? (2 marks)
638. What is the definition or explanation of 'Simulation,'? (2 marks)
639. What is the definition or explanation of 'Display,'? (2 marks)
640. What is the definition or explanation of 'Tracking,'? (2 marks)
641. What is the definition or explanation of 'Spatial'? (2 marks)
642. What is the definition or explanation of 'Feedback,'? (2 marks)
643. What is the definition or explanation of 'Presence,'? (2 marks)
644. What is the definition or explanation of 'Interactive,'? (2 marks)
645. What is the definition or explanation of 'Gamification,'? (2 marks)
646. What is the definition or explanation of 'Engine,'? (2 marks)
647. What is the definition or explanation of 'Augmented'? (2 marks)
648. What is the definition or explanation of 'INTRODUC'? (2 marks)
649. What is the definition or explanation of 'Django.'? (2 marks)
650. What is the definition or explanation of 'Beautiful'? (2 marks)
651. What is the definition or explanation of 'Blender,'? (2 marks)
652. What is the definition or explanation of 'TECHNOLOGIES'? (2 marks)
653. What is the definition or explanation of 'INCLUDED'? (2 marks)
654. What is the definition or explanation of 'SteamVR:'? (2 marks)
655. What is the definition or explanation of 'Corporation'? (2 marks)
656. What is the definition or explanation of 'RiftCat:'? (2 marks)
657. What is the definition or explanation of 'RiftCat'? (2 marks)
658. What is the definition or explanation of 'Cardboard.'? (2 marks)

659. What is the definition or explanation of 'VRidge.'? (2 marks)
660. What is the definition or explanation of 'Numerous'? (2 marks)
661. What is the definition or explanation of 'Varghese'? (2 marks)
662. What is the definition or explanation of 'Department'? (2 marks)
663. What is the definition or explanation of 'SteamVR,'? (2 marks)
664. What is the definition or explanation of 'OpenVR,'? (2 marks)
665. What is the definition or explanation of 'RiftCat.'? (2 marks)
666. What is the definition or explanation of 'Additionally,'? (2 marks)
667. What is the definition or explanation of 'Android'? (2 marks)
668. What is the definition or explanation of 'SteamVR'? (2 marks)
669. What is the definition or explanation of 'LITERATURE'? (2 marks)
670. What is the definition or explanation of 'Alhabeeb'? (2 marks)
671. What is the definition or explanation of 'Technology'? (2 marks)
672. What is the definition or explanation of 'Experience:'? (2 marks)
673. What is the definition or explanation of 'Comparative'? (2 marks)
674. What is the definition or explanation of 'VR-enhanced'? (2 marks)
675. What is the definition or explanation of 'According'? (2 marks)
676. What is the definition or explanation of 'Students'? (2 marks)
677. What is the definition or explanation of 'Teaching'? (2 marks)
678. What is the definition or explanation of 'Pandemic'"? (2 marks)
679. What is the definition or explanation of 'PROPOSED'? (2 marks)
680. What is the definition or explanation of 'METHODOLOGY'? (2 marks)
681. What is the definition or explanation of 'Blender's'? (2 marks)
682. What is the definition or explanation of 'Three.js,'? (2 marks)
683. What is the definition or explanation of 'JavaScript'? (2 marks)
684. What is the definition or explanation of 'Three.js'? (2 marks)
685. What is the definition or explanation of 'FBXLoader.js'? (2 marks)
686. What is the definition or explanation of 'FBXLoader'? (2 marks)
687. What is the definition or explanation of 'Developers'? (2 marks)
688. What is the definition or explanation of 'CONCLUSION'? (2 marks)
689. What is the definition or explanation of 'Django,'? (2 marks)
690. What is the definition or explanation of 'REFERENCES'? (2 marks)
691. What is the definition or explanation of 'Alhabeeb,'? (2 marks)

692. What is the definition or explanation of 'Study,'? (2 marks)
693. What is the definition or explanation of 'International'? (2 marks)
694. What is the definition or explanation of 'Journal'? (2 marks)
695. What is the definition or explanation of 'Pandemic,'? (2 marks)
696. What is the definition or explanation of 'Education'? (2 marks)
697. What is the definition or explanation of 'Sciences,'? (2 marks)
698. What is the definition or explanation of 'Dascalu,'? (2 marks)
699. What is the definition or explanation of 'Moldoveanu,'? (2 marks)
700. What is the definition or explanation of 'Lytras,'? (2 marks)
701. What is the definition or explanation of 'Enhancing'? (2 marks)
702. What is the definition or explanation of 'Interactive'? (2 marks)
703. What is the definition or explanation of 'Environments,'? (2 marks)
704. What is the definition or explanation of 'Education:'? (2 marks)
705. What is the definition or explanation of 'Literature.'? (2 marks)
706. What is the definition or explanation of 'Educational'? (2 marks)
707. What is the definition or explanation of 'Society,'? (2 marks)
708. What is the definition or explanation of 'Maderuelo,'? (2 marks)
709. What is the definition or explanation of 'Sustainability,'? (2 marks)
710. Explain the concept or significance of: Proceedings of the National Conference on Emerging
711. Explain the concept or significance of: of Computer Applications, Amal Jyothi College of Eng
712. Explain the concept or significance of: Abstract— The goal of this project is to develop a virt
713. Explain the concept or significance of: environment using tools like Unity or Blender , which
714. Explain the concept or significance of: creation of 3D models and environments that are as r
715. Explain the concept or significance of: institutions all over the world in the wake of the globa
716. Explain the concept or significance of: reality (VR) has attracted a lot of in terest recently as
717. Explain the concept or significance of: will examine the potential of virtual reality (VR), as we
718. Explain the concept or significance of: and components may be made with Blender, a poten
719. Explain the concept or significance of: Blender is open -source and free, and it may be used
720. Explain the concept or significance of: Blender supports and can be used to import and exp
721. Explain the concept or significance of: which is mostly used with t he HTC Vive headset and
722. Explain the concept or significance of: RiftCat is a piece of software that enables users to pl
723. Explain the concept or significance of: mobile device through Wi -Fi or a USB connection us
724. Explain the concept or significance of: in Proceedings of the National Conference on Emerg

725. Explain the concept or significance of: of Computer Applications, Amal Jyothi College of Eng

726. Explain the concept or significance of: Android models, and it can also be used with SteamV

727. Explain the concept or significance of: a mobile device in a VR setting in addition to gaming

728. Explain the concept or significance of: of introducing VR into online courses as well as the c

729. Explain the concept or significance of: anywhere at any time, virtual reality i n online learning

730. Explain the concept or significance of: due to its capacity to give learners a realistic and eng

731. Explain the concept or significance of: outcomes and retention rates, the use of VR in online

732. Explain the concept or significance of: A thorough assessment of the literature was done by

733. Explain the concept or significance of: These ad vantages include the capacity to deliver an

734. Explain the concept or significance of: A literature research was carried out by Jan g and Kir

735. Explain the concept or significance of: Accord ing to the review, VR has the ability to boost (

736. Explain the concept or significance of: addition, the authors pointed out that VR can offer a s

737. Explain the concept or significance of: about how VR might be used to address issues with a

738. Explain the concept or significance of: used to build a virtual world with all the required 3D m

739. Explain the concept or significance of: classroom model you design in this phase will be use

740. Explain the concept or significance of: that can be imported into your VR program , such as

741. Explain the concept or significance of: You would need to build a texture or material that cou

742. Explain the concept or significance of: placed to the board surface in the classroom model in

743. Explain the concept or significance of: of Computer Applications, Amal Jyothi College of Eng

744. Explain the concept or significance of: This can b e accomplished by adding the video file as

745. Explain the concept or significance of: texture, which the VR environment can play back in r

746. Explain the concept or significance of: Blender nodes can be used to connect the video file t

747. Explain the concept or significance of: The model must first be exported from Blender as an

748. Explain the concept or significance of: "File" > "Export" and selecting FBX as the file format,

749. Explain the concept or significance of: graphics in a web browser simple, to load the FBX m

750. Explain the concept or significance of: FBX model can be added to the scene using the FBX

751. Explain the concept or significance of: video on the classroom model's board once it has be

752. Explain the concept or significance of: Add video files to the Django project: You can either a

753. Explain the concept or significance of: video files to the project's static directory or use a clo

754. Explain the concept or significance of: can be put in a folder called "videos" tha t you create

755. Explain the concept or significance of: be served by creating a URL pattern in your Django p

756. Explain the concept or significance of: displaying 3D images in a web browser, to show the v

757. Explain the concept or significance of: produce a video texture and apply it to the board's su

758. Explain the concept or significance of: We can enter into the virtual mode of the project by c
759. Explain the concept or significance of: In order to establish a VR environm ent for the classr
760. Explain the concept or significance of: to the smartphone via a Wi -Fi and USB connection c
761. Explain the concept or significance of: In conclusion, the use of virtual reality into on line edu
762. Explain the concept or significance of: examples of the technologies that can be used to bui
763. Explain the concept or significance of: on the board gives the learning process a new dimen
764. Discuss in detail: of Computer Applications, Amal Jyothi College of Engineering Kanjirappal
765. Discuss in detail: of Computer Applications, Amal Jyothi College of Engineering Kanjirappal



## **Answer Key**

Answer to Question 1: (Your answer here)  
Answer to Question 2: (Your answer here)  
Answer to Question 3: (Your answer here)  
Answer to Question 4: (Your answer here)  
Answer to Question 5: (Your answer here)  
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Answer to Question 587: (Your answer here)

Answer to Question 588: (Your answer here)

Answer to Question 589: (Your answer here)

Answer to Question 590: (Your answer here)

Answer to Question 591: (Your answer here)

Answer to Question 592: (Your answer here)

Answer to Question 593: (Your answer here)

Answer to Question 594: (Your answer here)

Answer to Question 595: (Your answer here)

Answer to Question 596: (Your answer here)

Answer to Question 597: (Your answer here)

Answer to Question 598: (Your answer here)

Answer to Question 599: (Your answer here)

Answer to Question 600: (Your answer here)

Answer to Question 601: (Your answer here)

Answer to Question 602: (Your answer here)

Answer to Question 603: (Your answer here)

Answer to Question 604: (Your answer here)

Answer to Question 605: (Your answer here)

Answer to Question 606: (Your answer here)

Answer to Question 607: (Your answer here)

Answer to Question 608: (Your answer here)

Answer to Question 609: (Your answer here)

Answer to Question 610: (Your answer here)

Answer to Question 611: (Your answer here)

Answer to Question 612: (Your answer here)

Answer to Question 613: (Your answer here)

Answer to Question 614: (Your answer here)

Answer to Question 615: (Your answer here)

Answer to Question 616: (Your answer here)

Answer to Question 617: (Your answer here)

Answer to Question 618: (Your answer here)

Answer to Question 619: (Your answer here)

Answer to Question 620: (Your answer here)

Answer to Question 621: (Your answer here)

Answer to Question 622: (Your answer here)

Answer to Question 623: (Your answer here)

Answer to Question 624: (Your answer here)

Answer to Question 625: (Your answer here)

Answer to Question 626: (Your answer here)

Answer to Question 627: (Your answer here)

Answer to Question 628: (Your answer here)

Answer to Question 629: (Your answer here)

Answer to Question 630: (Your answer here)

Answer to Question 631: (Your answer here)

Answer to Question 632: (Your answer here)

Answer to Question 633: (Your answer here)

Answer to Question 634: (Your answer here)

Answer to Question 635: (Your answer here)

Answer to Question 636: (Your answer here)

Answer to Question 637: (Your answer here)

Answer to Question 638: (Your answer here)

Answer to Question 639: (Your answer here)

Answer to Question 640: (Your answer here)

Answer to Question 641: (Your answer here)

Answer to Question 642: (Your answer here)

Answer to Question 643: (Your answer here)

Answer to Question 644: (Your answer here)

Answer to Question 645: (Your answer here)

Answer to Question 646: (Your answer here)

Answer to Question 647: (Your answer here)

Answer to Question 648: (Your answer here)

Answer to Question 649: (Your answer here)

Answer to Question 650: (Your answer here)

Answer to Question 651: (Your answer here)

Answer to Question 652: (Your answer here)

Answer to Question 653: (Your answer here)

Answer to Question 654: (Your answer here)

Answer to Question 655: (Your answer here)

Answer to Question 656: (Your answer here)

Answer to Question 657: (Your answer here)

Answer to Question 658: (Your answer here)

Answer to Question 659: (Your answer here)

Answer to Question 660: (Your answer here)

Answer to Question 661: (Your answer here)

Answer to Question 662: (Your answer here)

Answer to Question 663: (Your answer here)

Answer to Question 664: (Your answer here)

Answer to Question 665: (Your answer here)

Answer to Question 666: (Your answer here)

Answer to Question 667: (Your answer here)

Answer to Question 668: (Your answer here)

Answer to Question 669: (Your answer here)

Answer to Question 670: (Your answer here)

Answer to Question 671: (Your answer here)

Answer to Question 672: (Your answer here)

Answer to Question 673: (Your answer here)

Answer to Question 674: (Your answer here)

Answer to Question 675: (Your answer here)

Answer to Question 676: (Your answer here)

Answer to Question 677: (Your answer here)

Answer to Question 678: (Your answer here)

Answer to Question 679: (Your answer here)

Answer to Question 680: (Your answer here)

Answer to Question 681: (Your answer here)

Answer to Question 682: (Your answer here)

Answer to Question 683: (Your answer here)

Answer to Question 684: (Your answer here)

Answer to Question 685: (Your answer here)

Answer to Question 686: (Your answer here)

Answer to Question 687: (Your answer here)

Answer to Question 688: (Your answer here)

Answer to Question 689: (Your answer here)

Answer to Question 690: (Your answer here)

Answer to Question 691: (Your answer here)

Answer to Question 692: (Your answer here)

Answer to Question 693: (Your answer here)

Answer to Question 694: (Your answer here)

Answer to Question 695: (Your answer here)

Answer to Question 696: (Your answer here)

Answer to Question 697: (Your answer here)

Answer to Question 698: (Your answer here)

Answer to Question 699: (Your answer here)

Answer to Question 700: (Your answer here)

Answer to Question 701: (Your answer here)

Answer to Question 702: (Your answer here)

Answer to Question 703: (Your answer here)

Answer to Question 704: (Your answer here)

Answer to Question 705: (Your answer here)

Answer to Question 706: (Your answer here)

Answer to Question 707: (Your answer here)

Answer to Question 708: (Your answer here)

Answer to Question 709: (Your answer here)

Answer to Question 710: (Your answer here)

Answer to Question 711: (Your answer here)

Answer to Question 712: (Your answer here)

Answer to Question 713: (Your answer here)

Answer to Question 714: (Your answer here)

Answer to Question 715: (Your answer here)

Answer to Question 716: (Your answer here)

Answer to Question 717: (Your answer here)

Answer to Question 718: (Your answer here)

Answer to Question 719: (Your answer here)

Answer to Question 720: (Your answer here)

Answer to Question 721: (Your answer here)

Answer to Question 722: (Your answer here)

Answer to Question 723: (Your answer here)

Answer to Question 724: (Your answer here)

Answer to Question 725: (Your answer here)

Answer to Question 726: (Your answer here)

Answer to Question 727: (Your answer here)

Answer to Question 728: (Your answer here)

Answer to Question 729: (Your answer here)

Answer to Question 730: (Your answer here)

Answer to Question 731: (Your answer here)

Answer to Question 732: (Your answer here)

Answer to Question 733: (Your answer here)

Answer to Question 734: (Your answer here)

Answer to Question 735: (Your answer here)

Answer to Question 736: (Your answer here)

Answer to Question 737: (Your answer here)

Answer to Question 738: (Your answer here)

Answer to Question 739: (Your answer here)

Answer to Question 740: (Your answer here)

Answer to Question 741: (Your answer here)

Answer to Question 742: (Your answer here)

Answer to Question 743: (Your answer here)

Answer to Question 744: (Your answer here)

Answer to Question 745: (Your answer here)

Answer to Question 746: (Your answer here)

Answer to Question 747: (Your answer here)

Answer to Question 748: (Your answer here)

Answer to Question 749: (Your answer here)

Answer to Question 750: (Your answer here)

Answer to Question 751: (Your answer here)

Answer to Question 752: (Your answer here)

Answer to Question 753: (Your answer here)

Answer to Question 754: (Your answer here)

Answer to Question 755: (Your answer here)

Answer to Question 756: (Your answer here)

Answer to Question 757: (Your answer here)

Answer to Question 758: (Your answer here)

Answer to Question 759: (Your answer here)

Answer to Question 760: (Your answer here)

Answer to Question 761: (Your answer here)

Answer to Question 762: (Your answer here)

Answer to Question 763: (Your answer here)

Answer to Question 764: (Your answer here)

Answer to Question 765: (Your answer here)