MARKING SCHEME

Grade 10 Computer Science

Term 3 End of Term 2026

SECTION A 30 MARKS

Q. No.	Expected answer / working	Marks
1	Any three: physical representation of numbers/data; place-value/calculation principles; mechanized/repeatable computation; influenced later calculating machines. Any 3 × 1.	3
2	A = input unit; B = CPU/processing unit; C = output unit; D = primary storage. Any three correct identifications × 1.	3
3	$45_{10} = 101101_2$ (2 marks: method + answer); $101101_2 = 45_{10}$ (1 mark).	3
4	Suitable secondary storage, e.g. SSD/HDD/flash disk/optical disc (1); valid reason such as non-volatile/large capacity/backup (1); one OS function, e.g. managing hardware/resources/files or providing an interface (1).	3
5	Any three: delivery, accuracy, timeliness, low jitter. Any 3 × 1.	3
6	A = twisted pair (1); B = coaxial cable (1); one valid setup practice such as switch off/isolate power before connecting components, use correct ports/cables, secure cables, or test components after connection (1).	3
7	C = switch (1); D = router (1); E = server (1).	3
8	Star topology (1); two valid reasons: easy troubleshooting, easy expansion, failure of one	3