

FIRST YEAR HIGHER SECONDARY EXAMINATION MARCH 2019
SUBJECT: COMPUTER APPLICATION-COMMERCE CODE NO: FY 46

Qn No.	Sub Qn.	Answer Key/Value Points	Score	Total
1		Base/radix	1	1
2		Flow chart	1	1
3		\n or /n	1	1
4		# or (hash)	1	1
5		Media Access Control	1	1
6		Storage elements /memory inside CPU or Speeds up program execution Any 2 registers (ACC,MAR,MBR,IR,PC)	1 ½ x2	2
7		Humans who use computers / computer users Any 2 users (Sy Admin,Sy Mgr, Sy Analyst, DBA, Sy Eng.,Prog, Operator)	1 ½ x2	2
8		Time consuming,modification requires new flow chart ,no standards in amount of details included(Any 2)	1x2	2
9		Character literals-A single character enclosed in single quotes String literals-A sequence of characters enclosed in double quotes OR Examples for each Or " " / " "	1x2	2
10		Comments are added to describe a program/provides internal documentation / no executable Single line comment& Multiline comment Or // and /* */	1 ½ x2	2
11		Signed,unsigned,long,short Or Def. of type modifier	1 x 2 1	2
12		Any for advantages (resource sharing,price perfo. Ratio, communication, reliability, scalability)	½ x 4	2
13		Core(glass rod),Cladding(optical material surrounding core),Coating, cable jacket(Any 2) Or Diagram Or Definition / working	2	2
14		Server provides services like sharing data,software and hardware OR File sever,Web server,Print server,Database server (any one) Or Any relevant pt about server (only 1 mark)	1 1	2
15		Any two valid points (speed,easy to use, provision of attachment, environment friendly, reply to an email, cost effective , anywhere any time, etc)	1 x 2	2
16		Any two valid points (remote areas with lower e-literacy, possibility of cyber attack, huge investment and planning reqd, anxious about sharing personal info, integrity of various depts., etc)	1x 2	2
17		Freedom 0 –freedom to run program Freedom 1-freedom to study Freedom 2-Freedom to distribute Freedom 3-Freedom to improve (Any 3) Name only ½ each	1x3 ½ x 3	3
18		any three valid points	1 x 3	3

19	Any one difference (entry controlled-test expression is evaluated at the beginning of the loop, no guarantee to execute the loop, exit controlled loop-test expression is evaluated at the end of the loop, loop executes atleast once) or example for each / syntax or name only (while/for, do while) – 1x2	1 ½ x 2 2	3
20	Correct algorithm / flowchart / program Or Start, stop, input, output (½ each) Or test exp (1)	3	3
21	smallest executable units / lines or sentence end with ; any two type of statements (declaration, assignment, input, output, control statement) or example (1 x 2)	1 1x2	3
22	a. Data item that never change value b. const c. example (const int a=10 ;)	1x3	3
23	&&, , ! with explanation Or Truth table / example or Name / symbol only	1 x3 ½ x 3	3
24	a. any point b. correct conversion or initialization, test exp, loop body, updation (any three)	1 ½ 3 ½ x 3	3
25	The way in which nodes are physically interconnected to form a network Any 1 comparison/diagram	1 1x2	3
26	Any three broadband connectivity- ISDN, Cable internet, Dsl, Leased line, FTTH, mobile broadband, Wi-MAX, Satellite broadband) Brief explanation or full form	½ x 3 ½ x 3	3
27	Any three advantages/ relevant points (offer courses on variety of subjects to large number of students from distant locations, saves journey and money, facility to do online courses, time and place is not a constraint,)	3	3
28	a. Diagram Or 4 units b. Any 3 characteristics (adv/disadv)	2 3	5
29	a. Operators are predefined symbols that can trigger computer to carry out operations / example Unary, binary, ternary (any 2) b. i) 8 ii) -2 iii) 0 iv) 0/false v) 0/false vi) -33 (any 3)	1 ½ x 2 1 x3	5
30	a. 4 components (initialization, test, updation, loop body) b. Correct program logic Or Correct structure / variable declaration / loop / output statement (1/2 each)	½ x 4 3 2	5