

M.P.Ed. Examination, 2015
Semester-II
Physical Education
Paper – MPED-125
(Application of Computer in Physical Education)

Time: 3 Hours

Full Marks: 40

Questions are of value as indicated in the margin.

Answer **one** question from each unit.

Unit-I

1. Write short notes on:

- (a) Arithmetic Logic Unit and Control Unit. 2
- (b) Limitations of Computers in using. 2
- (c) Write down the value of x_1 with appropriate binary equivalents. 2

$$(501)_{10} = (x_1)_2$$

- (d) Write down the value of x_2 2

$$(1001001)_2 = (x_2)_{10}$$

or

- (a) Write down briefly the function of different parts of computer indicating function of each unit. 4
- (b) Write down the value of x_1 with appropriate binary equivalents 2

$$(506)_{10} = (x_1)_2$$

- (c) Write down the value of x_2 2

$$(1010101)_2 = (x_2)_{10}$$

Unit-II

- 2. (a) Write down the different types of computer in tabular form. 4
- (b) What are the different types of printers? 2
- (c) What are the important characteristics of a computer? 2

or

- (a) Write down the different memory systems of computers. 4
- (b) What are the secondary storage devices with their advantages and disadvantages? 4

Unit-III

- 3. (a) What are the basic features of windows operating system? 2
- (b) Define Machine Language and Assembly Language. 2

P.T.O.

(2)

- (c) The following table shows the marks of three papers of each three students.

1	A	B	C	D
2	Student	P1	P2	P3
3	AMAL	90	86	85
4	BIMAL	88	88	87
5	KAMAL	87	90	91

Write down the steps to be followed in Ms-Excel to get the following:

Finding the aggregate marks of each student and ordering the student on the basis of aggregate marks. 4

or

- (a) Differentiate between System Software and Application Software. 2
(b) What are the functions of Operating System? 2
(c) The following table shows the marks of three papers each for three students: 4

1	A	B	C	D
2	Student	P1	P2	P3
3	ANAMIKA	90	86	87
4	DIPANIKA	87	87	86
5	BITANIKA	86	90	90

Write down the steps to be followed in Ms-Excel to get the following:

Finding the aggregate marks of each student and ordering the student on the basis of aggregate marks.

Unit-IV

4. (a) Write a flow chart to find the smallest of two given members. 4
(b) Write an algorithm to find the sum of 1,2,3,4,5,6. 4

or

- (a) Write an algorithm to find the sum of $1^2, 2^2, 3^2, 4^2, 5^2, 6^2$. 4
(b) Write an flowchart to find the greatest of two given members. 4

Unit-V

5. (a) Discuss briefly the components of network. 3
(b) What is protocol? What are the search engines? 1+1
(c) What is MODEM? What is WWW? 2+1

or

- (a) Discuss different types of computer network topologies. 3
(b) What is E-mail? What is website? 1+1
(c) What is Internet? What are the requirements of Internet? $1\frac{1}{2}+1\frac{1}{2}$