

SECTION—B

5. What are computer codes ? Why these computer codes are required ?
List various types of computer codes. How these computer codes are different from each other ? 9
6. What do you mean by computer network ? What are various network topologies ? Discuss in detail giving their relative merits and demerits. 9
7. Discuss the following in brief :
- (a) Uniform Resource Locator 3
- (b) M-commerce 3
- (c) BPO vs KPO. 3
8. What do you mean by information technology ? What are the advanced trends in information technology ? Discuss in detail. 9

SECTION—C

9. (a) What do you mean by impact printer ?
- (b) What is firmware ?
- (c) Subtract binary number (1000111) from (10000111) using 2's complement.
- (d) Convert octal number (752) into decimal and hexadecimal numbers.
- (e) Differentiate between Wi-Fi and Bluetooth technology.
- (f) What is multimedia technology ? 1.5×6=9

Roll No.

Total No. of Pages : 2

PC 11444-NH

AS/2111
FUNDAMENTALS OF INFORMATION
TECHNOLOGY—BAP—101
Semester—I

Time Allowed : Three Hours] [Maximum Marks : 45

Note :- Candidates are required to attempt *two* questions each from Sections A and B of the question paper and the entire Section C. Use of non-programmable scientific calculator is allowed. All questions carry equal marks.

SECTION—A

1. Define a Computer. What are various categories of computers ? Give the characteristics of any three categories of computers. 9
2. What do you mean by memory ? What are different types of memories ? Discuss in detail. 9
3. Differentiate the following :
- (a) 2nd generation vs 3rd generation of computers. 3
- (b) OMR vs OCR. 3
- (c) Application software vs system software. 3
4. What do you mean by high level language ? What are salient features of high level language ? 9