

PRE BOARD EXAM - 2017
SUB - COMPUTER SCIENCE
CLASS - XII
MARKING SCHEME

DUR- 3 Hrs

F. M – 70

1. (a) 2 marks for two differences. 2

- (b) fstream.h iostream.h 1
 ½ mark for each correct answer.

- (c) ½ mark for finding each error or rectifying them. 2
 Supergym S;
 char membertype[] = "HIG";
 person2 = person1;
 getch();

- (d) Output : adaaieeE 2 marks for correct output. 2

- (e) 1 ½ for each correct line of output. n 3
 112*56*
 35*23*36

- (f) 2 marks for correct output . 81\$80\$ 2

2. (a) 2 marks for two situations. 2

- (b) (i) No. Product :: Product() is not accessible bcz Product constructor is in private section. Make the constructor as public.
 ½ for correct answer. ½ for suggestion.
- (ii) The output is: Iron-Wire : 200@ 45 1 mark for correct output. 2

- (c) 1 mark to define the class with required members
 1½ mark for enter() : ½ for required input , ½ for calculating total price, ½ for invoking Netprice Calc()
 1 mark for NetpriceCalc()
 ½ for display()

- (d) (i) void DF2() (ii) A3, B3, B2, C2 (iii) 16 (iv) There is no function F1 in the class.
 1 mark for each correct answer. 4

3. (a) 1 mark for declaration and 2 marks for correct logic. 3

- (b) (i) Row wise 2288 (ii) Column wise 2188 3
 1 mark each for correct derivation and ½ mark for each correct answer.

- (c) 1 mark for correct declaration. 3 marks for correct logic. 4

- (d) 1 mark for correct stack status. 1 mark for correct conversion.
 AB+C*DE/- 2

- (e) 2 mark for correct stackpush() and 2 marks for stackpop() 4

4. (a) ½ mark for each correct statement 1

- (b) $\frac{1}{2}$ marks each for opening file 2
 $\frac{1}{2}$ mark for loop upto EOF
 $\frac{1}{2}$ mark for reading record
 $\frac{1}{2}$ mark for calculation
- (c) $\frac{1}{2}$ marks each for opening two files (one in reading and other in writing modes) 3
 $\frac{1}{2}$ mark for loop upto EOF
 $\frac{1}{2}$ mark for reading record
 $\frac{1}{2}$ mark for checking condition
 $\frac{1}{2}$ mark for copy
5. (a) 1 mark each for each correct definition. 2
- (b) 1 mark for each correct SQL command. (4) $\frac{1}{2}$ mark for each correct output (v to viii). 6
6. (a) 1 mark for explanation. 1 for example 2
- (b) 2 marks for correct circuit. $\frac{1}{2}$ mark to be deducted for not writing intermediate output. 2
- (c)
- (d) $F = a'bc' + a'bc + ab'c + abc'$ 1
 $\frac{1}{2}$ mark for any two correct minterms
7. (a) 1 mark for each correct answer. 1
- (b) 1 mark for one correct comparison. 1
- (c) 1 mark for each correct explanation. 1
- (d) $\frac{1}{2}$ mark for each correct expansion. 1
- (i) ISDN Integrated Services Digital Network
- (ii) SLIP Serial Line Internet Protocol
- (e) 1 mark for each correct answer. 4
- (i) PAN
- (ii) Switch
- (iii) Head Office
- (iv) cable/wiring layout for connecting the company's local offices located in New Delhi.
- f) $\frac{1}{2}$ mark for each correct part. 1
- g) $\frac{1}{2}$ mark for each correct method. 2 methods required. 1