

CLASS IX COMPUTER APPLICATIONS FINAL EXAMINATION – MARCH' 10

SECTION – 'A', Attempt all questions

<p>Q1.(a) What are functions as in Excel? Name the values that considered by the COUNT( ) function.                  (b) What is the difference between break and continue ?                  (c) Describe Charts and chart types , as used in Excel.                  (e) How can you select non-continuous slides in a presentation?                  (d) Write all components of MS-Excel Window. (10)</p>	<p>Q2. Differentiate between :                  (a) for and do-while.                  (b) iteration and selection.                  (c) absolute referencing and relative referencing                  (d) logical and relational operator.                  (e) slide view and slide show. (10)</p>
<p>Q3.(a) Fill in the blanks. (Do Not copy the sentence)                  (i) _____ shows the names of the worksheets in the currently open workbook.                  (ii) _____ is the default data type for real numbers in Java.                  (iii) _____ is the shortcut to insert a new slide in a presentation.                  (iv) In Excel, a separator in the first cell of the range and the last cell of the range can be _____ .                  (v) Java uses _____ in switch, as a replacement of else. (5)</p>	<p>(b) State True or False (Do Not copy the sentence)                  (i) \ denotes single line comments in Java.                  (ii) Wrong cell address in a formula results in # value.                  (iii) * */ is a symbol for multiline comments in Java.                  (iv) a+=2 is equivalent to a+a = 2.                  (v) Formula bar in Excel can also be used for editing the cell contents. (5)</p>
<p>Q4. State and reason the output of the following code segments:                  (a) int x = 2+4/1+1; S.o.pln(x);                  (b) char ch = (char)66; S.o.pln(ch);                  (c) int a = 5;                  while(a&gt;0)                  a--;                  S.o.pln(a);</p>	<p>(d) int i, j;                  for ( i = 100, j=5; i&gt;=10; i-=20, j++);                  S.o.pln(i+j);</p> <p>(e) int h=6;                  do{                  h+=2;                  if(h%7==0)                  break;                  if(h%5==0)                  continue;                  S.o.pln(h);                  }while(h&lt;20); (10)</p>

SECTION – 'B', Attempt any four questions

Q5. Write a java program, to display the output in following format :

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A****
B***
C**
D*
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(15)

Q6. Write a program to input a character at a time till user wishes to continue and display all uppercase letters, if present and their total count. (15)

Q7. Write a JAVA program to input a number and use switch case to give the following options to the user :

If choice is 1, check if the number is prime.

If choice is 2, check if the number is a special number or not. E.g. 6 = 1 + 2+ 3 (sum of its factors other than the number itself). (15)

Q8. Write a java program to calculate and print the sum of odd numbers and sum of even numbers for the first n natural numbers. (n is input by the user). (15)

Q9. A cloth showroom has announced the following festival discounts on the purchase of items, based on the total cost of the items purchased:

Total Cost	Discount (in Percentage)
Less than Rs. 2000	5%
Rs. 2001 to Rs. 5000	25%
Rs. 5001 to Rs. 10000	35%
Above Rs. 10000	50%

Write a program to input the total cost and to compute and display the amount to be paid by the customer after availing the discount. (15)