

STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI 600 086
(For candidates admitted from the academic year 2015 – 2016 & thereafter)

SUBJECT CODE: 15BI/PC/PL34

M. Sc. DEGREE EXAMINATION, NOVEMBER 2017

BIOINFORMATICS

THIRD SEMESTER

COURSE : CORE
PAPER : PERL
TIME : 1½ HOURS

MAX. MARKS: 50

SECTION – A

ANSWER ALL THE QUESTIONS:
CHOOSE THE CORRECT ANSWER:

(30x1=30)

1. What is the simplest type of data that Perl can work with?
A. element B. scalar C. vector D. component
2. Which operator can be used to take the bottom item from an array?
A. pop B. push C. pull D. plant
3. Which operator is used to arrange items in character order?
A. ascend B.sort C.arrange D.descend
4. Rather than using print, what is often used in Perl when formatting is important?
A. printf B. format C. align D. show
5. Which modifier can be used when matching in Perl to ignore case?
A. s B.v C.i D.c
6. What will be the value of \$1 after execution of the following code
my \$txt = 'I am learning Perl';
\$txt =~ /(\w+)\$/;
A. Perl B. I C. I am learning Perl D. undef
7. Which control structure can be used to execute only a condition is false?
A. Until B. unless C. while D.without
8. Which of the following commands should be used to open a filehandle named *KAREN* to an existing file named *sw*?
A. open KAREN ">sw"; B. open KAREN, ">sw";
C.open "sw" KAREN; D. open ">sw", KAREN;
9. Which file test can be done to see if a file has the sticky bit set on it?
A.-s B. -l C. -S D. -k
10. Which operator can be used to access the first item in an array?
A. shift B.start C.right\$ D. left\$

11. What is the correct HTML element for inserting a line break?
 A.
 B. <lb> C. <break> D.
12. The standard quantifier “?” recognize _____
 A. match 0 or more times B. match 1 or more times
 B. match 1 or 0 times C. match exactly n times
13. Which of the following operators work most like simple searching/pattern matching?
 A. /f B. /g C. s/// D. m//
14. What does the ‘chomp’ operator do?
 A. read from standard input B. access elements of an array
 C. get rid of a newline character D. initialize a variable.
15. Within a loop, which operator immediately ends execution of the loop?
 A. next B. last C. redo D. leave
16. Which function can be used to make sure your program exits with a nonzero status even if there a standard error?
 A. hash B. noexit C. nozero D. die
17. What value do variables have before they are first assigned?
 A. undef B. null C. 0 D. nil
18. Which Perl function can be used to launch a child process to run a program?
 A. split B. spin C. fork D. system
19. Which Perl function can be used to identify the first found occurrence of a substring?
 A. find B. index C.locate D.allocate
20. The perl function which searches for the match elements is _____
 A. grep B.abs C. map D. pos
21. Which of the following operators is used to return a value in a subroutine?
 A. return B. send C. give D. show
22. To convert a timestamp into a format more readable by a user, which function should you use?
 A. bitwise B. localtime C. translate D. transform
23. What is the default sort order in Perl?
 A. alphabetic B.numeric C. ASCII D. none of the above
24. Which string comparison operator would be equivalent to the numeric > operator?
 A. ne B. eq C. ge D. gt

25. Write the output of the program given below

```
my@a=(0,1,2);
push(@a,(5,'b'))
print@a;
```

A. 0 1 2 b B. 5 b 0 1 2 C. 0 1 2 D. 0 1 2 5 b

26. Which type of loop can be used to step through each value in a list?

A. conv B. one_by_one C. separate D. foreach

27. To initialize array references an extra _____ operator is needed.

A. -> B. >> C. + D. *

28. Which of the following mathematical operations has the highest precedence in Perl?

A. ** B. ++ C. + D. -

29. The following perl programme indicate that

```
my $val = 'x';
print ref($val);
```

A. SCALAR B. SCALAR C. empty value D. STRING

30. What will be printed by the code below?

```
my @a = (0, 1, 2);
my $b = @a;
print $b;
```

A. 0 B. 1 C. 2 D. 3

SECTION – B

ANSWER ANY TWO

(2x10=20)

31. Explain the features of Operators and its types with suitable example

32. Write short notes on BIOPERL

33. Describe in detail about the comment and functions of HTML

34. Elaborate the file handling techniques in PERL programming
