PeP Non-Ckt 1

> ## Read instructions on this page carefully.
> ## Do not turn this page until you are asked to do so.

Test Paper ID: 33
Duration: 60 Minutes
Number of questions: 40

Instructions:

1. Do not write anything on this test paper.

2. Separate sheets will be provided for rough work. Please ask if you need more.

3. Fill all the details clearly in the answer sheet.

4. Mark answers in the answer sheet provided by filling the circle of the correct choice corresponding to the question number.

5. To change your answer, erase the earlier mark clearly and mark the new answer. It is better to use a pencil if you want to change your answers.

6. Some questions may have more than one correct answer.In that case, it is indicated as part of the question.You must mark all the correct answers.Partial answers will be considered wrong.

7. Wrong answers will carry negative marks. Therefore, do not guess answers.

8. Do not use any tools like calculators, cell phones during the test.

9. Switch off your cell phone now.

10. After completing the test, you must return all the papers including this test paper, answer sheet and the rough sheets.

We wish you the very best!
Do not turn this page. Wait until you are asked to do so.

1. I prefer(A)/punishment(B)/than(C)/insult(D)/.
   The sentence above is divided into parts, which are marked A, B, C and D. One of these parts contains an error or may not be acceptable in standard written communication. Mark that part as your answer.

   A) (A)

   B) (B)

   C) (C)

   D) (D)

2. My friend always prefers(A)/reading short stories(B)/than voluminous novels(C)/. No error(D)
   The sentence above is divided into parts, which are marked A, B, C and D. One of these parts contains an error or may not be acceptable in standard written communication. Mark that part as your answer.

   A) (A)

   B) (B)

   C) (C)

   D) (D)

3. A golden rule which should always be followed by an investor is that: never invest on sentiment or on a tip; look for stocks with promising ____ potential for growth.
   Which word best fits in the blank above?

   A) fast

   B) long-term

   C) higher

   D) quick

4. At the world's finest educational institutes, only students with the _____ to succeed are selected.
   Which word best fits in the blank above?

   A) luck

   B) drive

   C) resources

   D) experience

5. Which device is used as the standard pointing device in a Graphical User Environment

   A) Keyboard

   B) Mouse

   C) Joystick

   D) Track ball

6. For the following decimal multiplication the results are given in binary numbers. Spot the incorrect relation.

A) 15 * 13 = 11000011

B) 31 * 8 = 11111000

C) 7.75 * 2.5 = 10011.110

D) 22.7 * (1/4.75) = 1111010.110

7. Which of the following pairs of binary and octal numbers are not equal?
Pls note that the left side of the equation is in binary and the right side is in octal.

A) 11111011 = 767

B) 110110101 = 665

C) 11010 = 3

D) 10101.11 = 25.6

8. Which of the following statements are TRUE?
I. In drawing a proper flowchart, all necessary requirements should be listed out in logical order
II. Only one flow line is used in conjunction with terminal symbol
III. Any number of flow lines are come out from a process symbol
IV. If the flowchart becomes complex, it is better to use connector symbols to reduce the number of flow lines

A) I, II and III

B) I, III and IV

C) I, II and IV

D) II, III and IV

9. Size of the primary memory of a PC ranges between

A) 2KB to 8KB

B) 64KB & 256KB

C) 256KB & 640KB

D) None of these

10. A Compiler is

A) None of the options mentioned

B) a combination of computer hardware

C) a program which translates from one high-level language to another

D) a program which translates from a high-level language to a machine level language

11. When a key is pressed on the keyboard, which standard is used for converting the keystroke into the corresponding bits

A) ANSI

B) ASCII

C) EBCDIC

D) ISO

12. Consider the following pseudocode, where n is a non-negative integer.

    x = 0;
    i = 0;
    while i < n do
    x = x + 2^i;
    i = i + 1;
    end

    Which of the following is a loop invariant for the while statement? (Note: a loop invariant for a while statement is an assertion that is true each time the guard is evaluated during the execution of the while statement.)

    A) $x = 2^i - 1$ and $0 = i < n$

    B) $x = 2^{(i+1)} - 1$ and $0 = i < n$

    C) $x = 2^i - 1$ and $0 = i = n$

    D) $x = 2^{(i+1)} - 1$ and $0 = i = n$

13. Compute
    Fun1(11) where Fun1(1) := 1;
    Fun1(2) := 1;
    and Fun1(N) := Fun1(N-1) + Fun1(N-2);

    A) 34

    B) 55

    C) 89

    D) 144

14. To change lower case letters in ASCII, the correct mask and operation should be

    A) 0100000 and NOR

    B) 0100000 and OR

    C) 0100000 and NAND

    D) 1011111 and AND

15. What does the ipcs command in Unix does ?

    A) Gives a list of all the Shared Memory Segments, Semaphore Arrays and Message Queues used in the Unix system.

    B) Gives a list of all the Semaphore Arrays and Message Queues used in the Unix system.

    C) Gives a list of all the Shared Memory Segments and Message Queues used in the Unix system.

    D) No such command is there in a standard Unix system

16. #include <stdio.h>
    int main()
    {
        int i,j;
        for (i =2, j=20; i<10;++i,--j)
              printf("%d %d ", i, j);
    }

A) 2 20 3 19 4 18 5 17 6 16 7 15 8 14 9 13

B) 2 20 3 19 4 15 8 14 9 13 18 5 17 6 16 7

C) 2 20 3 9 13 18 5 17 6 16 7 19 4 15 8 14

D) 2 20 3 9 7 19 4 15 8 14 13 18 5 17 6 16

17. char a;
    char ca[] = {'a','e','i','o','u','y'};
    char* pca = ca;
    pca += 2;
    a = *pca;
    What values are be stored in 'a' after the above sample code is run if it is run on a system where pointers are two bytes long?

    A) a = 'u'

    B) a = 'e'

    C) a = 'i'

    D) The code is illegal. Only a pointer can be added to a pointer, not an integer.

18. Which type conditional expression is used when a developer wants to execute a statement only once when a given condition is met?

    A) Switch-case

    B) for

    C) if

    D) do-while

19.
```
#include <stdio.h>
void f(int x, int *y)
{
    x = *(y) += 2;
}

int main()
{
    int a[5] = {1,3,5,7,9};
    int i,b=5;

    for(i=0;i<5;i++)
    {
        f(a[i],&b);
        printf("%d %d ",a[i],b);
    }
}
```
    A) 1 7 3 9 5 11 7 13 9 15

    B) 1 7 5 3 9 11 15 7 13 9

    C) 1 7 5 3 9 15 7 13 9 11

    D) 1 7 9 3 5 15 7 9 11 13

20.
```c
#include <stdio.h>
int main()
{
 int arr[] = { 2,4,6,7,8};
 int i,*p;
  for (p = arr, i = 0; p + i <= arr + 4; p++,i++)
   printf("%d ", *(p+i));
}
```
A) 4 7 8

B) 2 4 6

C) 2 6 8

D) 2 7 8

21.
```c
#include <stdio.h>
#include <string.h>
int main()
{
 char s[]="Rendezvous!";
 printf(" %d", *(s + strlen(s)));
}
```
A) base address of s[] + length of string s.

B) 0

C) '\0'

D) Rendezvous 12

22. What is the output for the following program
```c
main()
  {
   int arr2D[3][3];
   printf("%d\n", ((arr2D==* arr2D)&&(* arr2D == arr2D[0])) );
  }
```

A) -1

B) 1

C) 0

D) Error

23. ```c
    char *someFun1()
     {
       char temp[ ] = "string";
       return temp;
     }
    char *someFun2()
     {
       char temp[ ] = {'s', 't','r','i','n','g'};
       return temp;
     }
    int main()
     {
       puts(someFun1());
       puts(someFun2());
     }
    ```
    A) Garbage values

    B) Compiler error

    C) Nothing will be printed

    D) None of the options mentioned

24. What is the output of the program?
    ```c
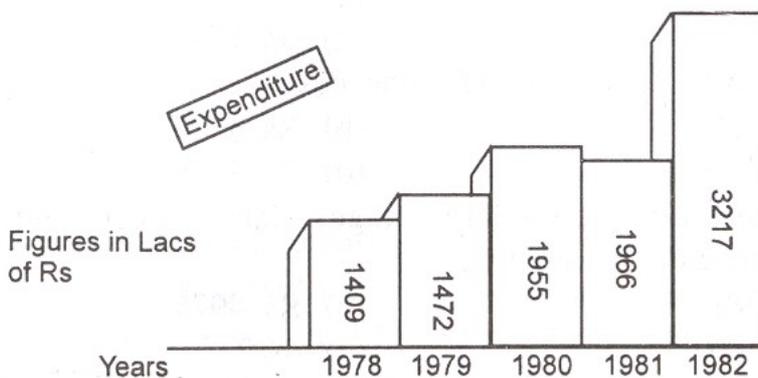    void main()
     {
        char  ****p=***p=**p=*p="hello", **p1=*p1="hi";
        clrscr();
        printf("%s\n", p);
        printf("%s\n", p1);
     }
    ```
    A) hello
       hi

    B) garbage value
       hi

    C) hello
       garbage value

    D) None of the options mentioned

Answer the next 3 questions based on the information given below:

Figures in Lacs of Rs

Expenditure

1409 — 1978
1472 — 1979
1955 — 1980
1966 — 1981
3217 — 1982

Years

Expenditure of company 'X' depicted in graph above are mounting year after year. Based on the above figures, answer the following questions.

25. In 1978, total expenditure was Rs. 1409 lakhs which increased to Rs. 1955 in 1980. The %age rise in 2 years is:

   A) none of the options

   B) 6%

   C) 5%

   D) 4.9%

26. The global percentage increase in expenditure between 1978-1982 is:

   A) 130%

   B) 139%

   C) 128%

   D) 120%

27. The percentage decrease in expenditure between 1980-81 is:

   A) -1%

   B) 1%

   C) 2%

   D) 1.5%

End of questions based on the information given above.

Answer the next 3 questions based on the information given below:
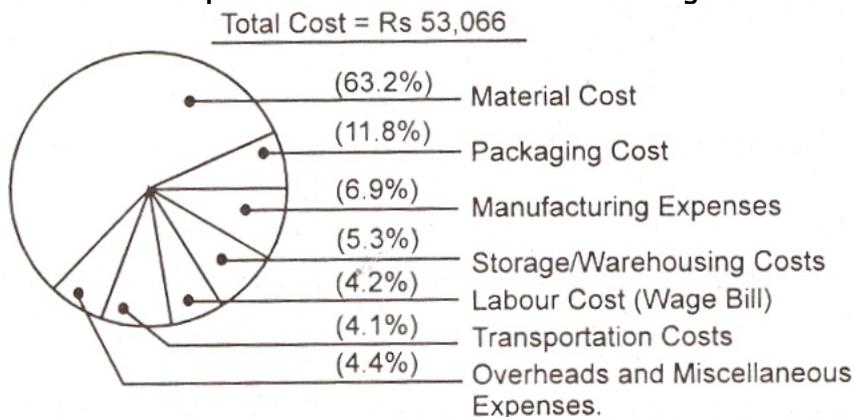
After carefully examining the above graph, answer the following questions, Answers should be rounded off to the nearest rupee.
Total Cost = Rs 53,066

28. Transportation and labour cost together represents:

   A) Rs.4400

   B) Rs.4500

   C) Rs.4436

   D) Rs.4475

29. If you deduct labour costs (wage bill) from total manufacturing expenses and packaging costs, the balance is:

A) Rs.9962

B) Rs.7714

C) Rs.7704

D) Rs.7417

30. Labour costs plus overheads plus manufacturing expenses represents and of the total cost of Rs. 53,066.

A) 15.5% and Rs. 8254

B) 14.5% and Rs. 7254

C) 15.5% and Rs. 8250

D) 15.5% and Rs. 8245

End of questions based on the information given above.

Answer the next 2 questions based on the information given below:

The following sentences contain an error. Each sentence is followed by four different ways of wording the part that contains the error. Evaluate the answer choices by the requirements of standard written English. Pay attention to elements of grammar, vocabulary (choice or words), and sentence construction. Select the answer choice that best renders the thought presented in the original sentence.

31. This is the third straight Christmas season in which retail stores will experience a sharp drop in sales from the previous year.

A) in which retail stores will experience

B) in which retail stores experience

C) which retail stores will experience

D) of retail stores experiencing

32. When used together, the cosmetic claims that its products enhance the appearance of the skin by preventing blemishes of reducing signs of aging.

A) When used together, the cosmetic company claims that its products enhance the appearance of the skin by preventing blemishes and reducing signs of aging.

B) The cosmetic company claims that, when used together, the appearance of the skin will be enhanced by the products by their preventing blemishes and reducing signs of aging.

C) When used together, the products will enhance the appearance of the skin, also preventing blemishes and reducing signs of aging, or so the company claims.

D) According to the cosmetic company, when its products are used together, they will enhance the appearance of the skin, prevent blemishes, and reduce signs of aging.

End of questions based on the information given above.

Answer the next 2 questions based on the information given below:

The sentences given in each question, when properly sequenced, form a coherent paragraph. Each sentence is labeled with a letter. Choose the most logical order of sentences among the given choices to construct a coherent paragraph.

33. (A) To much of the Labour movement, it symbolises the brutality of the upper classes.
(B) And to everybody watching, the current mess over foxhunting symbolises the government's weakness.
(C) To fox hunting's supporters, Labour's 1991 manifesto commitment to ban it symbolises the party's metropolitan roots and hostility to the countryside.
(D) Small issues sometimes have large symbolic power.
(E) To those who enjoy thundering across the country side in red coats after foxes, foxhunting symbolises the ancient roots of rural lives.

    A) DEACB

    B) ECDBA

    C) CEADB

    D) DBAEC

34. (A) In the case of King Merolchazzar's courtship of the Princess of the Outer Isles, there occurs a regrettable hitch.
(B) She acknowledges the gifts, but no word of a meeting date follows.
(C) The monarch, hearing good reports of a neighboring princess, dispatches messengers with gifts to her court, beseeching an interview.
(D) The princess names a date, and a formal meeting takes place; after that everything buzzes along pretty smoothly.
(E) Royal love affairs in olden days were conducted through correspondence.

    A) ACBDE

    B) ABCDE

    C) ECDAB

    D) ECBAD

End of questions based on the information given above.

Answer the next 2 questions based on the information given below:

In each of the following sentences, four options are given. You are required to identify the best way of writing the sentence in the context of the correct usage of standard written English. While doing so, you have to ensure that the message being conveyed remains the same in all the cases.

35. Ambikesh noticed the cat's soft hair, sharp paws, and keen sense of hearing.

    A) Ambikesh noticed the cat's soft hair, sharp paws, and keen sense of hearing.

    B) Ambikesh noticed the cat's soft hair, sharp paws, and that his sense of hearing was keen.

    C) Ambikesh noticed the cat's soft hair, that hehad sharp paws, and a very keen sense of hearing.

    D) Ambikesh noticed the cat's soft hair, keen sense of hearing and also that it had sharp paws.

36. Having bowed our heads, the priest in the temple led us in prayer.

    A) Having bowed our heads, the priest in the temple led us in prayer.

    B) After we bowed our heads, the priest in the temple led us in prayer

    C) After we have bowed our heads, the priest in the temple led us in prayer.

    D) After we had bowed our heads, the priest in the temple led us in prayer.

End of questions based on the information given above.

Answer the next 4 questions based on the information given below:

SCORE BOARD

Pakistan: Saeed Anwar c Fleming b Vaughan 1; Aamir Sohail st Germon b patel 16; Shahid Malik lbw Cairns 40; Azam khan c Greatbatch b Harris 22; Moin Khan lbw cairns 32; Wasim Akram c Vaughan b Patel 0; Saqlain Musthaq lbw Harris 0; Waqar Younis run out 0; Musthaq Ahmed not out 4.
Extras: (lb-12, w-2); 14
Total: (all out in 48.5 overs); 160
Fall of wickets:1-4, 2-32 ,3-51,4-63,5-116,6-120,7-120,8-138,9-145.
Bowling: Vaughan 8-0-33-1: Larsen 9-1-22-1: Cairns 9.5-0-24-2: Astle 3-0-7-1: Harris 9-2-32-2: Patel 10-2-30-2.

New Zealand: Bryan Young b Akram 5; Mark Greatbatch c Ijaz b Musthaq 52; Adam Parore lbw saqlain 22; Nathan Astle c Mushtaq b Saqlain 8; Stephen Fleming lbw Younis 4: Chris Cairns lbw Akram 8; Chris Harris c Afridi b Mushtaq 2; Lee Germon lbw Akram 5; Dipak patel lbw Afridi 1; Justin Vaughan not out 1; Gavin Larsen b Afridi 0.
Extras: (w-5, nb-6), 11
Total: (all out in 36.5 overs); 119
Fall of wickets: 1-7,2-66,3-81,4-98,5-102,6-111,7-114,8-117,9-119.
Bowling: Akram 8-1-20-3, Younis 8-0-22-1, Saqlain 8-0-32-2, Afridi 2.5-0-14-2, Mushtaq 10-0-31-2.

37. How many Pakistan batsmen were bowled by bowlers of New Zealand?

   A) 0

   B) 1

   C) 2

   D) 3

38. Highest runs were scored in the match by the partnership of

   A) Aamir Sohail and Shahid Afridi

   B) Mark Greatbatch and Adam parore

   C) Moin Khan and Azam Khan

   D) Salim Malik and Azam Khan

39. If runs per wicket is the criterion for evaluating bowling performance in the match?

   A) Astle

   B) Younis

   C) Afridi

   D) Akram

40. If the number of balls per wicket is considered to evaluate bowling performance, then who the best bowler of the match?

   A) Patel

   B) Larson

   C) Afridi

   D) Akram

End of questions based on the information given above.