

- b) If statement B alone is required
- c) If both statements A & B are required
- d) Neither

23. Does Mr. Mathew give tuition ?

- A) Mathew is a teacher
- B) In school, the teacher is not expected to give tuitions.

24. There is no power cut in advanced country. If T is a city, is there power cut in that city?

- A) Z is an advanced country
- B) T is a capital city of country Z

25. Tanzanians are in East Africa. Tanzanians are good in either Education, Dance or Music

- A) Tanzanians are good at Education
- B) East Africa are good at dance & Music.

Remaining questions 26 - 29 are of the same type.

30. On one day, 14 children are admitted in a school by their mothers. 2 are sisters, 3 are brothers, 2 are brother and sister and 2 are twins. The rest are singles. How many mothers came?

(5, 7, 9, 14)

31. Problem Cisterns & pipes.

It will take 8 hrs to fill a cistern. But due to leak at the bottom, it takes 10 hrs to fill it. In how many hrs, the full tank will be emptied because of leak.?

(18, 8, 40, 10)

32. Question regarding men & work

A does alone a work in 4 days

B does alone a work in 8 days

C does alone a work in 10 days

A & B together -----

C & B together -----

33. In 3.5 Kg rod, there is 74% silver. If it is alloyed with a 0.5 Kg rod, the % of silver goes up to 84%. The percent of silver in 0.5 Kg rod?

34. Two chords of lengths $2L_1$ and $2L_2$ are drawn in a circle. Their lengths are inversely proportional to the straight distance joining the centre. Find the radius of circle.

35. A Kg of tea costs Rs 49.50. But the supplier gives 10 gms less for every Kg he sold. What is the actual cost.

A question on transportation table. 5 questions were given.

A B C D E

A X 12 8 20 6

B 12 X 12 5 9

C 20 8 X 4 7

D 3 15 6 X 10

E 12 5 8 3 X

A,B,C,D,E denote the stages.

X denote the start of the stage.

The bus goes from A to E and E to A with back stops at B,C, & D

For each the charge is Rs.0.70

The numbers in the table are how many passengers are there in the bus upto that stage.(the numbers given the table are not correct)

36. Total no. of passengers in onward journey

37. Total amount in the conductors bag just before the bus reaches the stage C

38. How many Rs. 1.40 tickets are issued to passengers in backward journey.

39. If the bus breaks down between the stages C & D , the amount refunded to passengers.

40. If the ticket costs Rs.1.50, how much is the profit in Backward journey.

Remaining 4 questions may be from English.

1)At 6'o clock clock ticks 6 times. The time between first and last ticks was 30sec. How much time it takes at 12'o clock.

Ans. 66 sec. 2 marks.

2)Three friends divided some bullets equally. After all of them shot 4 bullets the total no.of remaining bullets is equal to that of one has after division. Find the original number divided.

Ans. $x \times x$

$$x-4 \quad x-4 \quad x-4$$

$$3x-12 = x$$

$$x = 6$$

Ans is 18 2 marks

3) A ship went on a voyage after 180 miles a plane started with 10 times speed that of the ship. Find the distance when they meet from starting point.

$$\text{Ans. } 180 + (x/10) = x$$

$$x = 20$$

Ans is 180+20 2 marks

4) Fill the empty slots.

played won lost draw Goals for Goals against

A 2 2 *0 *0 *7 1

B 2 *0 *1 1 2 4

C 2 *0 *1 *1 3 7

the slots with stars are answers. 4 marks

BC drew with 2-2

A won on B by 2-0

a won on C by 5-1

5) There are 3 societies a,b,c. a lent tractors to b and c as many as they had. After some time b gave as many tractors to a and c as many as they have. After sometime c did the same thing. At the end of this transaction each one of them had 24. Find the tractors each originally had.

Ans a had 39 b had 21 c had 12 4 marks

6) There N stations on a railroad. After adding x stations 46 additional tickets have to be printed. Find N and X.

Ans. let $N(N-1) = t$;

$(N+x)(N+x-1) = t+46$;

trail and error method $x=2$ and $N=11$ 4 marks

7) Given that April 1 is tuesday. a,b,c are 3 persons told that their farewell party was on

a - may 8, thursday

b - may 10, tuesday

c - june 8, friday

Out of a,b,c one is only correct one of the regarding month, day, date. Other told two correct and the third person told all wrong. What is correct date, month, day. 5 marks

8) There are 4 parties. df, gs, dl (deposit loss), ew ran for a contest.

Anup, Sujit, John made the following statements regarding results.

Anup said either df or ew will definitely win

sujit said he is confident that df will not win

John said he is confident that neither ew nor dl will win

the result has come. only one of the above three has made a correct statement. Who has made the correct statement and who has won the contest. 5 marks.

9) Five people a,b,c,d,e are related to each other. Four of them make one true statement each as follows.

i) b is my father's brother. (ans. d said this)

ii) e is my mother-in-law. (b)

iii) c is my son-in-law's brother. (e)

iv) a is my brother's wife. (c)

10 marks.

10) All members of d are also members of a

All " e " d
all " c " both a and b
not all " a are members of d
not all " d " e

a) which of all following statements must be true

- 1) there are more common members between c and a than between c and e
- 2) there are more members in a than in c
- 3) there are more members in a than in e

i) 1 only ii) 3 only iii) 1,2 only iv) 2 and 3 only v) 1,2,3

b) which of all the following can be inferred from the statements above

- 1) some members of d are also members of b
- 2) all members of e are members of a
- 3) all members of a are members of b
- 4) some members of d are not members of c
- 5) all members of b are members of c

i) 1 only ii) 3 only iii) 2 only iv) b and d only v) d, b and a only

d) Which of the following is not possible

- i) some members of e are also members of c but are not members of b
- ii) " " d " " both c and b
- iii) all " e " " a
- iv) some " d are not " a
- v) " e are " b

1) i only 2) iii only 3) i and iii only 4) all the above 5) none

e) if all members of b are also members of c then

- i) all members of a are also members of b
- ii) all " " c
- iii) " b " a
- iv) some members c " e and b
- v) " " d and b

1) ii only 2) iii and iv only 3) iii only 4) ii and iv only 5) none

11) boys are allowed to watch football at c.v.Raman auditorium subjected to conditions.

- i) the boy over age 16 can wear overcoat
- ii) no boy over age 15 can wear cap
- iii) to watch the football either he has to wear overcoat or cap or both
- iv) a boy with an umbrella or above 16 or both cannot wear sweater.
- v) boys must either not watch football or wear sweater.

Which of the following is true

- a) Old and new have the same i-node number ,2
- b) old and new have the same i-node number ,15768
- c) old and new have nothing to do with each other

- d) very old and new are linked
- e) veryold and old are linked

Which of the following is true about fork ()

- a) It transforms an executable binary file into a process

Which of the following is true about fork ()

- a) It transforms an executable binary file into a process that overlays the process which made the fork () system call. No new proces is created Ans B;
- b) Causes the creation of a new process the CHILD process with a new process ID.
- c) Causes the creation of a new process, the child process with the same process ID as the parent d) fork() has nothing to do with processes.
- e) fork() is not a system call

which message is displayed when a window is destroyed

- a)WM-CLOSE B)WM-DESTROY C)WM-NCDESTROY D)WM-POST
DESTROY

ans: check your self may be B

what is meant by SEND MESSAGE AND POST MESSAGE

ans:we don't know

which is the message used to limit the size of the window

- a)WM-SIZE B)WM-RAWT C)WM-GETMINIMAX INFO D)WM-COMMAND
E)WM-CREATE

```
until |who|grep mary
do
step 60
done
```

- a)is syntactically correct
- b)waits 60 sec. irrespective of mary being logged in or not
- c)waits until mary is logged in
- d)waits till mary exists
- e)none

ans:C

the unix system call that transform an executable binary file into a process:

Ans: we don't know

fork() is a system call causes

ans: causes the creation of a new process , the child person with a new process ID

```
main()
{
char *x="string"
char y[]="add";
char *z;
z=(char *) malloc(sizeof(x)+size of(y)+1)
strcpy(z,y);
strcat(z,x);
printf("%s+%s=%s",y,x,z);
}
```

ans: Add+string=addstring (if it is in caps also true)

```
char *(*a[n])();
```

ans: d) an array of n pointers to functions returning pointers to functions returning pointers to characters

interprocess command in unix be achieved by

a) pipes b) messages c) semaphores d) shared memory e) all