Choose the correct answer that logically follow the main statement.

1.if the song is super hit,then I download it.

a) I download a song means it is super hit.

b)The song is super hit ,hence I do not download it.

c) I did not download a song,though it was super hit.

d) I din not download a song implies that the song was not super hit.

Ans) d

Song is super hit=p,I download it=q.its in the form p->q,hence implication should be either p->q or ~q->~p.hence option d.

2.Either Ravi cooks or Radha brings parcel.

a)Ravi cooks means Radha will not bring parcel.

b)Radha did not bring parcel means Ravi din’t cook.

c) Radha did not bring parcel hence Ravi cooked.

d) Ravi is cooking so Radha got parcel.

Ans) c

Ravi cooks=p,Radha brings parcel =q, the implications are ~p->q or ~q->p hence option c.

3.Unless my exams are over I cannot enjoy my vacations.

a)I do not complete my exams implies that I cannot enjoy my vacations.

b) I can enjoy my vacations means my exams are over.

c) I have exams so I enjoy my vacations.

d) both a) and b)

ans) d

my exams are over=p,I can enjoy my vacations=q.

its in the form unless p then q. implications are ~p->q or ~q->p hence option d.

4.I will not have enemies unless I fight.

a) I have enemies implies I will fight.

b) I do not fight implies I will not have enemies.

c)i fight implies I will have enemies.

d) both a) and b).

ans) d

I fight=p,I will not have enemies=q. its in the form unless p then q, implications are ~p->q or ~q->p, hence option d.

5. My team plays well only if the opponent is honest.

a) my team plays well.

b)the opponent is not honest.

c)my team will not play well.

d)the opponent is honest.

A) bc B)da C) cd D) ab

Ans) A

My team plays well=p, the opponent is honest=q.the statement is of the form if p then q. Implications are p->q or ~q->p. hence option A.

6.I am suffering either from fever or headache.

a)i am not suffering from headache.

b) I am suffering from fever.

c) I am not suffering from malaria.

d)none of these.

Ans) a.

From fever =p,from headache=q,

The statement is in the form of either p or q. the implications are ~p->q or ~q->p.

Hence option a.

7.I will eat burger, only if hot dogs are not available.

a)hot dogs are not available but i will not eat burger.

b)hot dogs are available still I did not eat burger.

c)I ate hot dogs though burger was available.

d) hot dogs are not available but I ate burger.

Ans) c.

I will eat burger=q, hotdogs are not available=p.

The statement is of form only p then q.

Implications are q&~p or ~p&q. hence c.

8.If I eat pastry,then it is a pine apple or blackforest.

a)i eats pastry but it is not a pine apple means it’s a blackforest.

b)the pastry is neither a blackforest nor a pineapple means I doesnot eat the pastry.

c)I eat pastry but it is not a pine apple means it’s a blackforest.

d) all the above.

Ans) d.

Let I eat pastry =p,it’s a pine apple=q, it’s a blackforest=r.

This is in the form ,’if p then q or r’

The implications are p->q or r, ~q and ~r->~p, p and ~q->r, p and ~r->q.

Hence d.

9.If I go to U.S.A then my mom or my brother will accompany me.

a) I am going to U.S.A ,but my brother is not accompanying me means my mom will accompany me.

b) Neither my mom nor mu brother is accompanying me means I am not going to U.S.A.

c)I am not going to U.S.A hence neither my mom nor my brother is accompanying me .

d) Both a) and b).

ans) d.

Let I go to U.S.A =p, my mom =q, my brother =r.

This is in the form ,’if p then q or r’

The implications are p->q or r, ~q and ~r->~p, p and ~q->r, p and ~r->q.

Hence d.

10.Ram will marry Reeta only if she is a graduate and a good cook.

a)Reeta is a good cook but not a graduate hence Ram will not marry Reeta.

b) Ram will marry Reeta since she is a good cook though she is not a graduate.

c)Reeta is good cook and a graduate implies that Ram will marry her.

d)Ram did not marry Reeta implies that she is neither a graduate nor a good cook.

Ans)a.

Let Ram marry Reeta=p, she is a graduate=q, she is a good cook=r.

The statement is of the form if p then q and r.

The implications are p->q&r, ~q or ~r->~p, ~q->~p ,~r->~p.

Hence the option a.