

1.

```
#include<stdio.h>
int main(void)
{
    typedef enum qualification {CSC=-3, IT,CIVIL, ENTC, MECH=-2 ,
                               CHEM, PROD }QUAL;

    enum qualification q1= ENTC;
    QUAL q2= PROD;

    if( q1== CSC)
        printf("Computer Science Engineering");
    else if (q1== IT)
        printf("Information Technology Engineering");
    else if (q1==CIVIL)
        printf("Civil Engineering");
    else if (q2==ENTC)
        printf("Electronics & Communication Engineering");
    else
        printf("Engineering ");

    if (q2==MECH )
        printf(" / Mechanical Engineering");
    else if (q2==CHEM)
        printf(" / Chemical Engineering ");
    else if (q1==PROD)
        printf(" / Production Engineering ");
    else
        printf(" / Engineering ");
    return 0;
}
```

- A. Electronics & Communication Engineering / Production Engineering
- B. Production Engineering / Electronics & Communication Engineering
- C. Engineering / Engineering
- D. Run time error
- E. Compile time error

Answer: A

2.

```
#include<stdio.h>
int main(void)
{
    enum courses { DAC=240, KDAC=120 ,DMC=120 ,DESD=120
                  ,DBDA=60, DITISS=60};

    typedef enum courses COURSES;

    enum courses c1= DAC / KDAC * DMC ;
    COURSES c2= (KDAC+DMC+DESD) /DBDA * DITISS;
    printf("\n c1=%d c2=%d", c1, c2 );
    COURSES temp=c2;
    c2=c1;
    c1=temp;
    printf("\t c2=%d c1=%d", c2, c1 );

    return 0;
}
```

- A. c1=360 c2=360 c2=360 c1=360
- B. c1=240 c2=240 c2=240 c1=240
- C. c1=360 c2=240 c2=360 c1=240
- D. c1=240 c2=360 c2=240 c1=360
- E. Compile time error

Answer: D

3.

```
#include<stdio.h>
enum month {Jan=014, Feb, Mar, Apr, May, Jun, Jul};
typedef enum month MONTHS;
int main(void)
{
    MONTHS m;
    printf("%d, %d, %d, %d, %d, %d, %d , %d" ,Jun,May,Apr,Feb,Jan
          , Jul,Mar, sizeof(MONTHS)/sizeof(enum month ));
    return 0;
}
```

- A. 17, 16, 15, 13, 12, 18, 14 , 1
- B. 19, 18, 17, 15, 14, 20, 16 , 1
- C. 017, 016, 015, 013, 012, 018, 014 , 1
- D. 11, 10, f, d, c, 12, e , 1
- E. Compile time error

Answer: A

4.

```
#include<stdio.h>
int main(void)
{
    enum courses {DAC=240,KDAC=120,DMC=KDAC,DESD=DMC,
                  DBDA=60 , DITISS=DBDA};
    typedef enum courses COURSES;
    COURSES c1= KDAC ;
    switch (c1-DBDA-DITISS )
    {
        case 240 : printf(" SunBeam DAC Pune ");
        case 120 : printf(" SunBeam DAC Karad ");
                  printf(" SunBeam DMC Pune ");
                  printf(" SunBeam DESD Pune "); break;
        case 60: printf(" SunBeam DBDA Pune");
        default: printf(" SunBeam DITISS Pune"); break;
    }
    return 0;
}
```

- A. SunBeam DBDA Pune SunBeam DITISS Pune
- B. SunBeam DAC Pune SunBeam DAC Karad SunBeam DMC Pune
SunBeam DESD Pune
- C. SunBeam DAC Karad SunBeam DMC Pune SunBeam DESD Pune
- D. SunBeam DITISS Pune
- E. Compile time error
- F. SunBeam DBDA Pune

Answer: D

5.

```
#include<stdio.h>
int main(void)
{
    typedef enum courses{DAC=0,KDAC,DMC,
                          DESD, DITISS}LOCATION;
    typedef enum location{MARKETYARD=-1,HINJAWADI, KARAD,
                          SATARA}COURSES;

    LOCATION loc=DMC;
    COURSES cou=KARAD;
    switch (loc)
    {
        case MARKETYARD :
            printf("\n MARKETYARD LOCATION ");break;
        case HINJAWADI : printf("\n HINJAWADI LOCATION "); break;
        case KARAD : printf("\n KARAD LOCATION ");break;
        case SATARA : printf("\n SATARA LOCATION ");break;
    }
    switch (cou)
    {
        case DAC : printf(" and DAC COURSE "); break;
        case KDAC : printf(" and KDAC COURSE "); break;
        case DMC : printf(" and DMC COURSE "); break;
        case DESD : printf(" and DESD COURSE "); break;
        case DITISS : printf(" and DITISS COURSE "); break;
    }

    return 0;
}
```

- A. KARAD LOCATION and DAC COURSE
- B. SATARA LOCATION and KDAC COURSE
- C. Compile time error
- D. No output
- E. SATARA LOCATION and DMC COURSE

Answer: B