

## SUBJECT : ENGLISH (SET-I)

Time : 3 hrs.

M.Marks : 100

**General Instructions :**

- (i) All questions are compulsory.  
(ii) You may attempt any section at a time.  
(iii) All questions of that particular section must be attempted in the correct order.  
(iv) Avoid cutting and overwriting.

**SECTION-A (READING)****(30 Marks)**

Q1. Read the poem given below :

(12 marks)

I DREAM'D that as I wander'd by the way  
Bare winter suddenly was changed to Spring,  
And gentle odours led my steps astray,  
Mix'd with a sound of waters murmuring  
Along a shelving bank of turf, which lay 5  
Under a copse, and hardly dared to fling  
Its green arms round the bosom of the stream,  
But kiss'd it and then fled, as Thou mightest in dream.

There grew pied wind-flowers and violets.  
Daisies, those pearl'd Arcturi of the earth, 10  
The constellated flower that never sets;  
Faint oxlips; tender bluebells, at whose birth  
The sod scarce heaved; and that tall flower that wets -  
Like a child, half in tenderness and mirth -  
Its mother's face with heaven-collected tears, 15  
When the low wind, its playmate's voice, it hears.

And in the warm hedge grew lush eglantine,  
Green cow-bind and the moonlight-colour'd May,  
And cherry-blossoms, and white cups, whose wine  
Was the bright dew yet drain'd not by the day; 20  
And wild roses, and ivy serpentine  
With its dark buds and leaves, wandering astray;  
And flowers azure, black, and streak'd with gold,  
Fairer than any waken'd eyes behold.

And nearer to the river's trembling edge 25  
There grew broad flag-flowers, purple prank'd with white.  
And starry river-buds among the sedge,  
And floating water-lilies, broad and bright,  
Which lit the oak that overhung the hedge  
With moonlight beams of their own watery light; 30  
And bulrushes, and reeds of such deep green  
As soothed the dazzled eye with sober sheen.

Methought that of these visionary flowers  
I made a nosegay, bound in such a way

That the same hues, which in their natural bowers 35  
 Were mingled or opposed, the like array  
 Kept these imprison'd children of the Hours  
 Within my hand, - and then, elate and gay,  
 I hasten'd to the spot whence I had come  
 That I might there present it - O! to Whom? 40  
 — P.B. Shelley

On the basis of your understanding of the above poem, answer each of the questions given below with the help of the options that follow : (1x4=4)

- (a) The poet had dreamt that \_\_\_\_\_  
 (i) bare summer had given way to spring (ii) spring suddenly changed to winter  
 (iii) summer and winter were together (iv) bare winter had changed to spring
- (b) The poet had wandered in his dream \_\_\_\_\_  
 (i) on to a bank of turf  
 (ii) under the river  
 (iii) under a copse round the bosom of the stream  
 (iv) into a dream
- (c) What the poet saw growing along the banks were \_\_\_\_\_  
 (i) a variety of flowers (ii) a variety of cows  
 (iii) his fair eyes awakened (iv) a dazzling of sunshine
- (d) The poet imagined that \_\_\_\_\_  
 (i) kept the flowers as a gift  
 (ii) made the flowers into a nosegay  
 (iii) the flowers present themselves  
 (iv) the flowers were opposed to one another

Answer the following questions briefly : (1x6=6)

- (e) Where was the poet led in his dream?  
 (f) Describe two characteristics of the copse.  
 (g) What was growing in the hedge?  
 (h) What flowers grew close to the river's edge?  
 (i) Why did the bulrushes soothe the eye?  
 (j) Why had the poet hastened back to the spot from where he had come?  
 (k) Find words from the passage which mean the same as each of the following : (1x2=2)  
 (i) earth (verse 2) (b) blue (verse 3)

Q2. Read the passage given below: (10)

1. In business, the value of having a mentor is well established. Many companies also have internal mentorship programmes so that young professionals in the company can learn from the veterans in their midst.
2. Despite this acceptance of the necessity of mentorship, creative mentorships are far harder to come by than seems possible. Though India has had a long history of such mentoring, through the guru-shishya parampara prevalent in the arts and crafts learning system in India, the dynamics of

the system is heavily dependent on the whims of the guru or mentor. These people have ranged from strict disciplinarians demanding complete subservience to others who are lackadaisical and unmindful of their responsibilities.

3. To give this ancient tradition a modern twist, the internationally famed watch making company Rolex has initiated the Rolex Mentor and Protégé Arts Intransitive. The Geneva based firm seeks out gifted young artists from around the world and brings them together with establish mentors and maestros in their field, for a year of creative mentoring and collaboration on a one-to-one basis. So far, two Indian mentors have been chosen to guide potential talent among the youth. The internationally renowned sculptor Anish Kapoor and film maker Mira Nair are the two Indians who are currently directing youngsters in their chosen fields. Sadly, they have no Indian protégés so far.
4. The protégés for this scheme are selected by international nominating companies and many of the duos for this programme do not even come from the same continent, or have a common language. This year's programme which culminated in Mexico City, included the Swiss architect Peter Zumthor and a young Paraguayan, Gloria Cabral. Though both of them did not speak the same language, they were both engaged in work on a tea chapel in South Korea.
5. When asked about her mentor, Gloria said that a good mentor was someone who not only provided academic knowledge but also guided and inspired one to something which one might not even know could be done. Recipients from the previous years, too expressed similar thoughts. Israeli director Tom Shoval said he had never even dreamt of getting a chance to work with Oscar Award winning director Alejandro Gonzales Inarritu of 'Birdman' fame. He recalls how his mentor took him to the Canadian Rockies to see firsthand the creative process behind his new film 'The Revenant'.
6. Commenting on the experience Shoval said : 'The visit to the set of 'The Revenant' has been the best cinema school, because one could see how Alejandro builds a shot, choreographs and moves all the elements and creates a complex and emotional peak in every frame'.
7. According to the company the aim behind starting such a project was to fill the vacuum that exists in arts philanthropy. Making it global and ensuring that the initiative was not confined to one form of art, the company has been able to serve the arts through many disciplines. Also such initiatives exerted interaction between various artistic disciplines by encouraging various artists to interact between artistic disciplines.
8. Having selected the maestros, a global search is now under way to find suitable protégés for them. Each mentor is also given the opportunity to suggest his nominee from among a list of finalists made by the organizers. Once chosen, every protégé is given a grant of 25,000 Swiss francs during the mentoring year. In addition he or she is also given funds for travelling and other major expenses. Thus the new initiative has become an exciting way of connecting between the talented youth and the seasoned practitioner through as interactive platform.

On the basis of your understanding of the above passage complete the statements given below with the help of option that follow : (1x2=2)

- (a) Companies have internal mentorship programmes \_\_\_\_\_.
- (i) so that young professionals can learn from veterans
  - (ii) as the company has a fair mix of talent
  - (iii) to propagate their philanthropic programme
  - (iv) to link with the rest of the world
- (b) The global search is now under way to \_\_\_\_\_.
- |   |                              |
|---|------------------------------|
| (i) find placements for the young         | (ii) find protégés           |
| (iii) locate projects to engage the young | (iv) advertise their watches |

Answer the following questions briefly :

(1x6=6)

- (c) What has been the characteristic of Indian gurus?
- (d) Name the two Indian mentors chosen so far, by the organization.
- (e) Who have been chosen as this year's protégés?
- (f) What were Shoval's experience?
- (g) What was the aim behind starting such a project?
- (h) What are the allowances made to a protégé?
- (i) Find words from the passage which mean the same as the following: (1x2=2)
  - (i) a great performer (para 8)
  - (ii) not showing enough care (para 2)

Q3. Read the following passage carefully and answer the questions given below : (8)

Swami Vivekananda is a striking figure with his turban and his kindly features. On my enquiring as to the significance, if any, of his name, the Swami said, "Of the name by which I am not known, the first word is descriptive of a Sannyasin, or one who formally renounces the world, and the second is the title I assumed - as is customary with all Sannyasins - on my renunciation of the world; it signifies, literally, the bliss of discrimination".

"And what induced you to forsake the ordinary course of the world Swami?" I asked.

"I had a deep interest in religion and philosophy from my childhood", he replied, "and our books teach renunciation as the highest ideal to which man can aspire. It only needed the meeting with a great teacher - Ramakrishna Paramahansa to kindle in me the final determination to follow the path he himself had trod, as in him I found my highest ideal realised".

"Then did he found a sect, which you now represent"?

"No", replied the Swami quickly. "No, his whole life was spent in breaking down the barriers of sectarianism and dogma. He formed no sect. Quite the reverse. He advocated and strove to establish absolute freedom of thought. He was a great Yogi".

"Then you are connected with no society or sect in this country? Neither Theosophical nor Christian Scientist, nor any other?"

"None whatever!" said the Swami in clear and impressive tones. "My teaching is my own interpretation of our ancient books, in the light which my master shed upon them. I claim no supernatural authority. Whatever in my teaching may appeal to the highest intelligence and be accepted by thinking men, the adoption of that will be my reward". "All religions", he continued, "have for their object the teaching either of devotion, knowledge or yoga, in a concrete form. Now the philosophy of Vedanta is the abstract science which embraces all these methods, and this is that I teach, leaving each one to apply in to his own concrete form. I refer each individual to his own experiences, and where reference is made to books, the latter are procurable, and may be studied by each one for himself. Above all, I teach no authority proceeding from hidden beings speaking through visible agents, any more than I claim learning from hidden books or manuscripts. I am the exponent of no occult societies, nor do I believe that good can come of such bodies. Truth stands on its own authority, and truth can bear the light of day".

"Then you do not propose to form any society, Swami"? I suggested.

"None; no society whatever. I teach only the self, hidden in the heart of every individual and common to all. A handful of strong men knowing that self and living in its light would revolutionize the world, even today, as has been the case by single strong men before, each in his day".

"Have you just arrived from India?", I inquired.

"No", he replied. "I represented the Hindu religion at the Parliament of Religions held at Chicago in 1893. Since then I have been travelling and lecturing in the United States. The American people have proved most interested audiences and sympathetic friends, and my work there has to take root that I must shortly return to that country".

"And what is your attitude towards the western religions, Swami"?

"I propound a philosophy which can serve as a basic to every possible religious system in the world, and my attitude towards all of them is one of extreme sympathy - my teaching is antagonistic to none. I direct my attention to the individual, to make him strong, to teach him that he himself is divine, and I call upon men to make themselves conscious of this divinity within. That is really the ideal-conscious or unconscious - of every religion".

- (a) On the basis of your reading of the passage make notes on it, using headings, sub headings and commonly recognized abbreviations (minimum 4). Also supply a suitable title to the passage. (5)
- (b) Based on your notes, write a summary of the passage in around 80 words. (3)

**SECTION-B (ADVANCED WRITING SKILLS)**

**(30 marks)**

- Q4. Army Wives Welfare Association (AWWA) is organizing a Ghazal Night by renowned artist Ghulam Ali in the coming month. As the President of the association invite all the members and their families for the event. (50 words) (4)

OR

'Down to Earth' is a fortnightly environmental awareness magazine which is offering a 20 percent discount as well as a gift on an annual subscription. Draft an advertisement for the same in about 50 words.

- Q5. Write a letter to the Police Commissioner (Traffic) complaining about the inadequate parking facilities in the Commercial Street area of Bengaluru, which is causing a lot of inconvenience to the people. Also, talk about the suggestions you would like to give to improve the situation. You are Rakesh/Radhika Garg of House no. 12, Jayanagar, Bengaluru. (6)

OR

You are Nalini/Vishal Raheja, Hostel Warden, Zenith Public School, Kosikalan. Write a letter to The Sales Manager, Bharat Electronics and Domestic Appliances Limited, Kosikalan, placing an order for a few things that you wish to purchase for the hostel. Also ask for the discount permissible on the purchase.

- Q6. There is a growing trend among the youth to participate in adventurous activities. Write an article in 150-200 words for your school magazine on why you would prefer to have an adventurous life. (10)

OR

You are Sanjay/Sanjana, a student of DRM Senior Secondary School, Delhi. You have read the news about the inhuman treatment meted out to the new entrants by the seniors in educational institutions. You are shocked to read it. Write an article in 150-200 words on 'The Evil of Ragging in Educational Institutions' to be published in 'The Times of India', Delhi.

- Q7. The policy of reservations of seats for admission to the professional courses is good for the deprived sections of society'. Write a debate in 150-200 words either for or against the motion. (10)

OR

You were shocked to know the fact that India has the largest number of child workers in the world. As Arun/Anju, write a speech for morning assembly on topic 'Child Labour - a Curse on Childhood'. (150-200 words)

SECTION-C (LITERATURE AND LONG READING TEXT)

(40 marks)

Q8. Read the extract given below and answer the questions that follow :

(4)

Aunt Jennifer's fingers fluttering through her wool  
Find even the ivory needle hard to pull.  
The massive weight of Uncle's wedding band  
Sits heavily upon Aunt Jennifer's hand.

- (i) What does uncle's wedding band symbolize? How does it affect Aunt Jennifer? (2)  
(ii) What are the signs of Aunt's Jennifer's frailty? (1)  
(iii) Which paradox the poet refers to in the poem 'Aunt Jennifer's Tigers'? (1)

OR

Belled, flowery, Tyrolese valley. Open - handed map  
Awarding the world its world. And yet, for these  
Children, these windows, not this map, their world,  
Where all the future's painted with a fog.  
A narrow street sealed in with a lead sky  
Far far from rivers, capes, and stars of words.

- (i) What does the map on the wall show? (2)  
(ii) For these children, why is this map not their world? (2)

Q9. Answer any **FOUR** of the following in 30-40 words each :

(3x4=12)

- (i) Do you think Pablo Neruda advocates total inactivity and death? Why/why not?  
(ii) "We've all got a great deal to reproach ourselves with", said M. Hamel. Comment.  
(iii) How did Dr. Sadao ensure that the American sailor left his house but he himself remained safe and secure?  
(iv) What was the Dewan's tiger like? How did he take it into the forest?  
(v) How does Mr. Lamb keep himself busy when it is a bit cool?  
(vi) Is Saheb happy working at the tea stall? Why/why not?

Q10. Answer the following in 120-150 words :

(6)

Why did the iron master's invitation to the peddler to spend Christmas Eve with him make him think that he was going to fall into a trap?

OR

Contrast Sophie's world with her fantasies.

Q11. Answer the following in 120-150 words :

(6)

How have class distinctions and the indignities heaped upon the oppressed classes been brought out in the childhood accounts of Zitkala-Sa and Bama?

OR

What lapses on the part of the police and the prison authorities helped Evans to escape from the prison?

Q12. Justify the title 'The Strange Man's Arrival'. (120-150 words)

(6)

Q13. Everyone who comes in contact with Griffin suffers. Attempt a character sketch of Griffin in the light of this remark. (120-150 words)

(6)

## SUBJECT : COMPUTER SCIENCE (SET-I)

Time : 3 Hrs.

M.M.: 70

**General Instructions :****(i) All questions are compulsory****(ii) Programming Language : C++**

- Q1. (a) What is abstraction? Explain with an example. (2)
- (b) Which C++ header file(s) will be included to run/execute the following C++ code? (1)

```
void main()  
{ int Last = 26.5698742658;  
  cout<<setw(5)<<setprecision(9)<<Last;  
}
```

- (c) Deepa has just started working as a programmer in STAR SOFTWARE company. In the company she has got her first assignment to be done using a C++ function to find the smallest number out of a given set of numbers stored in a one-dimensional array. But she has committed some logical mistakes while writing the code and is not getting the desired result. Rewrite the correct code underlining the corrections done. Do not add any additional statements in the corrected code. (2)

```
int find (int a[ ], int n)  
{ int s = a [0];  
  for (int x=1; x<n; x++)  
  if (a[x]>s)  
  a[x]=s;  
}
```

- (d) Find and write the output of the following C++ program code : (Note : Assume all required header files are already included in the program). (2)

```
typedef char STRING [80];  
void MIXITNOW(STRING S)  
{  
  for (int Size=0; S[Size]!='\0'; Size++);  
}
```

```
for (int i=0; i<Size-1; i+=2)
```

```
{  
char WS=S[i];
```

```
S[i]=S[i+1];
```

```
S[i+1]=WS;
```

```
}
```

```
for (i=1; i<Size; i+=2)
```

```
if (S[i]>='M' && S[i]<='U')
```

```
S[i]=' ';
```

```
}
```

```
void main()
```

```
{
```

```
STRING Word="CRACKAJACK";
```

```
MIXITNOW(Word);
```

```
cout<<Word<<endl;
```

```
}
```

- (e) Write the output of the following C++ program code :  
(Note : Assume all required header files are already  
being included in the program). (3)

```
class Calc
```

```
{
```

```
char Grade; >
```

```
int Bonus;
```

```
public:
```

```
Calc() {Grade = 'E'; Bonus = 0;}
```

```
void Down (int G)
```

```
{
```

```
Grade-=G;
```

```
}
```

```
void Up(int G)
```

```
{
```

```
Grade+=G;
```

```
Bonus++;
```

```
}
```

```
void Show()
```

```
{
```

```
cout<<Grade<<"#"<<Bonus<<endl;
```

```
}
```

(2)



```

};
void main()
{
    Calc C, D;
    C.Down(2);
    C.Show();
    D.Show();
    C.Up(7);
    D.Up(2);
    C.Show();
    D.Show();
    D.Down(3);
    C.Up(7);
    C.Show();
    C.Down(2);
    C.Show();
    D.Show();
}

```

- (i) Study the following program and select the possible output(s) from the options (i) to (iv) following it. Also, write the maximum and the minimum values that can be assigned to the variable NUM. (2)

Note :

- Assume all required header files are already being included in the program.
- random(n) function generates an integer between 0 and n - 1.

```

void main()
{
    randomize();
    int NUM;
    NUM=random(3)+2;
    char TEXT[]="ABCDEFGHJK";
    for (int I=1; I<=NUM; I++)
    {
        for (int J=NUM; J<=7; J++)
            cout<<TEXT[J];
    }
}

```

(3)

```

e
cout<<endl;
}
}

```

- (i) FGHI
- (ii) BCDEFGH
- (iii) EFGH
- (iv) CDEFGH

- Q2. (a) What is a copy constructor? Give a suitable example in C++ to illustrate with its definition within a class and a declaration of an object with the help of it. (2)
- (b) Observe the following C++ code and answer the questions (i) and (ii) : (2)

```

class Traveller
{
long PNR;
char TName[20];
public:
Traveller() //Function 1
{ cout<<"Ready"<<endl;}
void Book(long P, char N[ ]) //Function 2
{PNR = P; strcpy(TName, N);}
void Print() //Function 3
{ cout<<PNR<<TName<<endl;}
~Traveller() //Function 4
{cout<<"Booking cancelled!"<<endl;}
};

```

- (i) Fill in the blank statements in Line 1 and Line 2 to execute Function 2 and Function 3 respectively in the following code :

```

void main( )
{
Traveller T;
_____ //Line 1
_____ //Line 2
}

```

- ///  
 (ii) Which function will be executed at ///  
 here? What is the function referred as?  
 (c) Write the definition of a class PIC in C++ with following  
 description: (4)

Private Members

- Pno//Data member for Picture Number (an integer)
- Category//Data member for Picture Category (a string)
- Location//Data member for Exhibition Location (a string)
- FixLocation( )//A member function to assign Exhibition Location as per category  
 //as shown in the following table

<u>Category</u>	<u>Location</u>
Classic	Delhi
Modern	Mumbai
Antique	Kolkata

Public Members

- Enter( )//A function to allow user to enter values //Pno, category and call FixLocation( ) function
- SeeAll( )//A function to display all the data members

- (d) Answer the questions (i) to (iv) based on the following: (4)

```

class Exterior
{
  int OrderId;
  char Address[20];
protected:
  float Advance;
public:
  Exterior();
  void Book(); void View();
};
class Paint:public Exterior
{

```

int WallArea, ColorCode;

protected :

char Type;

public :

Paint();

void PBook();

void PView();

;

class Bill : public Paint

{

float Charges;

void Calculate();

public :

Bill();

void Billing();

void Print();

;

(i) Which type of Inheritance out of the following is illustrated in the above example?

- Single Level Inheritance

- Multi Level Inheritance

- Multiple Inheritance

(ii) Write the names of all the data members, which are directly accessible from the member functions of class Paint.

(iii) Write the names of all the member functions, which are directly accessible from an object of class Bill.

(iv) What will be the order of execution of the constructors and destructors, when an object of class Bill is declared?

Q3. (a) An double array A[30][40] is stored along the column in the memory. If the element A[20][25] is stored at 50000, find out the location of A[25][30]. (3)

(b) Write the definition of functions for the linked implemented queue containing passenger information as follows : (4)

(6)

```

struct NODE
{
    int Ticketno;
    char PName[20];
    NODE * NEXT;
};
class Queueofbus
{
    NODE *Rear, *Front;
public :
    Queueofbus()
    { Rear = NULL;
      Front = NULL; };
    void Insert( );
    void Delete( );
    ~Queueofbus()
    { cout<<"Object destroyed":!
};

```

- (c) Write a function in C++ TWOTOONE() which accepts two array X[ ], Y[ ] and their size n as argument. Both the arrays X[ ] and Y[ ] have the same number of elements. Transfer the content from two arrays X[ ], Y[ ] to array Z[ ]. The even places (0, 2, 4...) of array Z[ ] should get the contents from the array X[ ] and odd places (1, 3, 5...) of array Z[ ] should get the contents from the array Y[ ]. (3)
- (d) Write a function NewMAT (int A[ ][ ], int r, int c) in C++, which accepts a 2d array of integer and its size as parameters divide all those array elements by 6 which are not in the range 60 to 600 (both values inclusive) in the 2d Array. (2)
- (e) Evaluate the following postfix expression using stack and show the contents after execution of each Operations : 470, 5, 4, ^, 25, /, 6, \*, + (2)

- Q4. (a) Observe the program segment given below carefully and fill the blanks marked statement 1 and statement 2. (1)

```

class PracFile
{
    int Pracno;

```

```

char PracName[20];
int TimeTaken;
int Marks;
public :
void EnterPrac();//function to enter PracFile details
void ShowPrac();//function to display PracFile details
int RTime()//function to return TimeTaken
{ return TimeTaken;}
void Assignmarks (int M)//function to assign Marks
{ Marks = M;}
};
void AllocateMarks()
{ fstream File;
File.open ("MARKS.DAT", ios::binary|ios::in|ios::out);
PracFile P;
int Record = 0;
while (File.read((char*) &P, sizeof(P)))
{
if (P.RTime() > 50)
P.Assignmarks(0)
else
P.Assignmarks(10)
//statement 1
//statement 2
Record++;
}
File.close();
}

```

If the function AllocateMarks() is supposed to Allocate Marks for the records in the file MARKS.DAT based on their value of the member TimeTaken. Write C++ statements for the statement 1 and statement 2, where, **statement 1** is required to position the file write pointer to an appropriate place in the file and **statement 2** is to perform the write operation with the modified record.

- (b) Given a binary file "BUS.DAT", containing records of the following class bus type. (3)

```

class bus
{ int bus_no;
  char desc[40];
  int distance; //in km
public :
void read()
{ cin>>bus_no; gets(desc); cin>>distance; }
void display()
{ cout<<bus_no; puts(desc); cout<<distance; }
int retdist()
{ return distance; }
};

```

Write a function in C++ that would read the contents of file "BUS.DAT" and display the details of those buses which travels the distance more than 100 km.

- (c) Write a function RevText( ) to read a text file "Input.txt" and Print only word starting with 'T' in reverse order. (2)

Example : If value in text file is : INDIA IS MY COUNTRY

Output will be : AIDNI SI MY COUNTRY

- Q5. (a) What do you understand by the terms Alternate key and Foreign Key of a relation? (2)
- (b) Consider the following table Organisation and Grossincome and answer (I) and (II) part of the question :

**Table : ORGANISATION**

ECODE	NAME	POST	SGRADE	DOJ	DOB
2001	AJAY	GENERAL MANAGER	D003	23-Mar-2003	13-Jan-1980
2002	VIJAY	EXECUTIVE MANAGER	D002	12-Feb-2010	22-Jul-1987
2003	RAM	DEPUTY MANAGER	D003	24-Jan-2009	24-Feb-1983
2004	RAHIM	PROD. INCHARGE	D002	11-Aug-2006	03-Mar-1984
2005	ABBAS	ADD. GENERAL MANAGER	D001	29-Dec-2004	19-Jan-19832

Table : GROSSINCOME

SGRADE	SALARY	HRA
D001	56000	18000
D002	32000	12000
D003	24000	8000

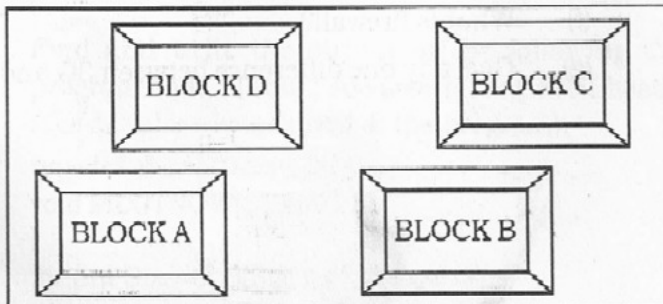
- (I) Write SQL commands for the following statements : (4)
- (i) To display the details of all MEMBERS OF ORGANISATION in descending order of DOJ.
  - (ii) To display NAME and POST of those MEMBERS whose SGRADE is either D002 or D003.
  - (iii) To display the content of all the ORGANISATION table, whose DOJ is in between 09-Feb-2006 and 08-Aug-2009.
  - (iv) To add a new row with the following :  
2007, 'RUDRA', 'SALES INCHARGE', 'D002', '26-Sep-2011', '26-Sep-1983'
- (II) Give the output of the following SQL queries : (2)
- (i) SELECT COUNT (SGRADE), SGRADE FROM ORGANISATION GROUP BY SGRADE;
  - (ii) SELECT MIN(DOB), MAX(DOJ) FROM ORGANISATION;
  - (iii) SELECT NAME, SALARY FROM ORGANISATION O, GROSSINCOME G WHERE O.SGRADE = G.SGRADE AND O.ECODE<2003;
  - (iv) SELECT SGRADE, SALARY+HRA FROM GROSSINCOME WHERE SGRADE='D002';
- Q6. (a) State and Verify Distributive Law. Verify using Truth Table. (2)



- (b) Represent the Boolean expression  $yz+xz$  with the help of NAND gates only. (2)
- (c) Obtain simplified form for a Boolean expression. (3)  
 $F(x, y, z, w) = \Sigma(1, 3, 4, 5, 7, 9, 11, 12, 13, 15)$  using K Map.
- (d) Write SOP form of Function  $F(x, y, z)$  whose truth table representation is given below : (1)

x	y	z	F
0	0	0	0
0	0	1	0
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	0
1	1	0	1
1	1	1	1

- Q7. (a) Compare any two Switching techniques. (1)
- (b) Which of the following is not a Client Side script; (1)  
 (i) VB Script (ii) Java Script  
 (iii) ASP (iv) PHP
- (c) If someone has hacked your Website, to whom you lodge the Complain? (1)
- (d) Expand the following : (1)  
 (i) GPRS (ii) CDMA
- (e) ABC Systems Organisation has set up its new center at Jabalpur for its office and web based activities. It has 4 blocks of buildings as shown in the diagram below : (4)



a **Center to center distance between various blocks**

Block A to Block B	80 m
Block B to Block C	250 m
Block C to Block D	50 m
Block A to Block D	190 m
Block B to Block D	125 m
Block A to Block C	90 m

**Number of Computers**

Block A	25
Block B	50
Block C	150
Block D	10

- (i) Suggest a cable layout of connections between the blocks.
  - (ii) Suggest the most suitable place (i.e. block) to house the server of this organization with a suitable reason.
  - (iii) Suggest the placement of the following devices with justification
    - (a) Repeater
    - (b) Hub/Switch
  - (iv) The organisation is planning to link its International Office situated in Mumbai, which wired communication link, you will suggest for a very high speed connectivity?
- (f) What is firewall? (1)
- (g) Give any one difference between 3G and 4G. (1)

## SUBJECT : ACCOUNTANCY (SET-II)

Time : 3 Hrs.

M.M.: 80

**Instructions :**

- (i) *This question paper is divided into two parts - Part-A and Part-B.*
- (ii) *Part-A carries 60 marks and Part-B carries 20 marks.*
- (iii) *The question paper contains 23 questions.*
- (iv) *Marks for each question are indicated against it.*
- (v) *All questions of one part should be attempted at one place.*

**Part-A (Accounting for Partnership Firms and Companies)**

- Q1. What are the contingencies on the happening of which a partnership firm can be dissolved? (1)
- Q2. State two purposes for which the balance to the credit of security premium reserve account can be utilized as per sec 52 of the Companies Act 2013. (1)
- Q3. X Ltd. purchased a machinery for ₹ 4,00,000 from Y Ltd. If it issued shares of ₹ 100 each at a premium of 25%, what will be the face value of shares issued? (1)
- Q4. State the provisions of sec 49 of the Indian Partnership Act 1932. (1)
- Q5. State the minimum price for reissue of shares. (1)
- Q6. What is self generated goodwill? (1)
- Q7. Mention the provisions of the relevant sections of the Companies Act 2013 relating to minimum subscription on issue of shares. (3)
- Q8. (a) P Ltd. purchased business of Q Ltd. for a sum of ₹ 3,00,000 payable as ₹ 80,000 by issuing a cheque and balance in fully paid equity shares of ₹ 100 each at 10% premium. The assets and liabilities consisted of the following :

(1)

Building	₹ 4,00,000
B/R	₹ 50,000
B/P	₹ 30,000
Creditors	₹ 40,000

Pass the necessary journal entries in the books of P Ltd.

- (b) Jindal Steel Ltd. has a policy to provide 10% job reservation for the children of employees. It is also running a co-educational English medium school for the children of employees of the company and for the residents of the nearby area.

Indicate the values involved in the aforesaid policy of the company. (2+1=3)

- Q9. On 1st April, 2013 an existing firm had assets of ₹ 10,00,000 including cash of ₹ 20,000. Its creditors amounted to ₹ 50,000 on that date. The partner's capital accounts showed a balance of ₹ 8,00,000 while reserve fund amounted to ₹ 1,50,000. If normal rate of return is 15% and goodwill of the firm is valued at ₹ 1,80,000 at 3 years' purchase of super profits. find the average profit of the firm. (3)

- Q10. Ankur and Bobby were into the business of providing software solutions in India. They were sharing profits and losses in the ratio 3:2. They admitted Rohit for  $\frac{1}{5}$ th share in the firm. Rohit, an alumni of IIT, Chennai would help them to expand their business to various South African countries where he had been working earlier. Rohit is guaranteed a minimum profit of ₹ 2,00,000 for the year. Any deficiency in Rohit's share is to be borne by Ankur and Bobby in the ratio 4:1. Losses for the year were ₹ 1,00,000.

Pass the necessary journal entries. (3)

- Q11. P, Q and R were partners in a firm sharing profits in the ratio of 1:2:2. After division of profits for the year ended 31.3.2001, their capitals were P - ₹ 1,50,000; Q - ₹ 1,80,000 and R - ₹ 2,10,000. During the year, they withdrew ₹ 20,000 each. The profit for the year was ₹ 60,000. The partnership deed provided that interest on capital will be allowed @ 10% p.a.

while preparing the final accounts, interest on partners' capital was not allowed.

Pass the necessary adjusting entry. Show the working clearly. (4)

Q12. Moti Ltd. has an authorised capital of ₹ 5,00,000 divided into equity shares of ₹ 10 each. The company offered for public subscription shares of ₹ 3,00,000. The issue was fully subscribed. The amounts payable on shares were ₹ 3 on application; ₹ 3 on allotment and balance in two calls of ₹ 2 each. A shareholder holding 200 shares failed to pay allotment and share first call. His shares were forfeited. The company did not make the final call.

Show Share Capital in the Balance Sheet of the company including notes to accounts as at 31st March, 2015? (4)

Q13. Following is the Balance Sheet of Punita, Rashi and Seema who are sharing profits in the ratio 2:1:2 as on 31st March, 2013.

Balance Sheet

Liabilities	₹	Assets	₹
Creditors	38,000	Building	2,40,000
B/P	2,000	Stock	65,000
Capitals :		Debtors	30,000
Punita	1,44,000	Bank	5,000
Rashi	92,000	P&L A/c	60,000
Seema	1,24,000		
	3,60,000		
	4,00,000		4,00,000

Punita died on 30th September 2013. She had withdrawn ₹ 44,000 from her capital on July 1, 2013. According to the partnership deed, she was entitled to interest on capital @ 8% p.a. Her share of profit till the date of death was to be calculated on the basis of the average profits of last three years. Goodwill was to be calculated on the basis of three times the average profits of last four years. The profits for the years ended 2009-10, 2010-11 and 2011-12 were ₹ 30,000; ₹ 70,000 and ₹ 80,000 respectively.

(3)

According to Punita's will, the executor should donate her share to "Maitri Chhaya - an orphanage for girls".

- (a) Prepare Punita's account to be rendered to her executor.  
 (b) Identify the values being highlighted. (4+2=6)

Q14. Radha and Sudha are partners in a firm and sharing profits & losses in the ratio of 3:1. The firm was engaged in marketing of processed foods in different parts of the country. Because of heavy losses occurred during the past years, they decided to dissolve the firm on 31.3.2015. Their Balance Sheet on that date was as follows :

Balance Sheet

Liabilities	(₹)	Assets	(₹)
Capital Accounts :		Trade Marks	2,400
Radha       32,000		Investments	2,000
Sudha       12,000	44,000	Machinery	34,000
Sudha's Loan	1,000	Furniture	800
Creditors	16,000	Debtors	18,000
Provision for B/D	800	Cash	5,600
Bank Loan	3,000	Deferred Advertisement Expenditure	2,000
	64,800		64,800

Other information :

- (a) Goodwill was not recorded in the books; however, it along with the Investment was sold at ₹ 2,000. Machinery was taken over by Radha at book value.  
 (b) A Typewriter which was not recorded in the books, now estimated at ₹ 1,200 was sold for ₹ 400.  
 (c) 50% of the Furniture was taken over by Radha at 75% of their book value. Sudha took up the remaining Furniture at the market value of 120% towards part payment of her loan.  
 (d) ₹ 5,000 of Creditors accepted Trade Marks at 20% more than the book value and ₹ 2,000 in cash in satisfaction of their claim. Remaining creditors accepted 50% of

Debtors at book value in full satisfaction of their claim.  
Remaining Debtors realised at 10% less than the book value.

- (e) Radha was appointed for the work of dissolution. For this service, she was to be paid ₹ 3,000 with the condition that she will bear all realisation expenses herself which came to ₹ 2,000. However actual expenses were withdrawn by Radha from time to time.

Prepare Realisation Account, Capital Accounts, Sudha's Loan Account and Cash Account. (6)

Q15. Jeet and Geet entered into partnership with capital contribution of ₹ 1,00,000 each. As per the partnership deed:

- (a) Jeet to receive a salary of ₹ 15,000 per month.
- (b) Geet to be allowed a commission of ₹ 25,000.
- (c) Interest on Jeet's Loan to the firm, to be fixed at 6% p.a.
- (d) Rent of office building owned by Geet is fixed at ₹ 18,000.
- (e) Profit sharing ratio of Jeet and Geet should be 1:1.
- (f) 10% of the trading profit should be transferred to General Reserve.

Jeet has given ₹ 5,00,000 to the firm as loan on 1.7.2014 and trading profit of the firm for the year 2014-15 was ₹ 4,45,500. Show the distribution of profits and prepare partner's capital accounts. (6)

Q16. Mustfa Ltd. issued a prospectus inviting applications for 80,000 shares of ₹ 10 each at a premium of ₹ 2 per share payable as :

- ₹ 2 on application
- ₹ 5 on allotment (including premium)
- ₹ 2 on first call
- ₹ 3 on final call

Applications were received for 1,20,000 shares. It was decided not to refund the amount received on account of oversubscription. Allotment was made as under :

- (i) To applicants for 20,000 shares - in full
- (ii) To applicants for 40,000 shares - 10,000 shares

(iii) To applicants for 60,000 shares - 50,000 shares

The shares were fully called and paid by all shareholders except from Tamanna who had applied for 2,000 shares out of the group to whom 10,000 shares were allotted. failed to pay anything after money paid on applications. These shares were forfeited by the directors and 50% of Tamanna's shares were reissued to Sehar as ₹ 7 per share paid up, for ₹ 8 per share.

Show the journal entries.

(8)

OR

Jeevan Dhara Ltd. invited applications for issuing 1,20,000 equity shares of ₹ 10 each at a premium of ₹ 2 per share. The amount was payable as follows :

On application - ₹ 2 per share

On allotment - ₹ 5 per share (including premium)

On First and Final Call - balance

Applications for 1,50,000 shares were received. Shares were allotted to all the applicants on pro-rata basis. Excess money received on applications was adjusted towards sums due on allotment. All calls were made. Manu who had applied for 3,000 shares failed to pay the amount due on allotment and first and final call.

Madhur who was allotted 2,400 shares failed to pay the first and final call.

Shares of both Manu and Madhur were forfeited. The forfeited shares were re-issued at ₹ 9 per share as fully paid up.

Pass the journal entries.

(8)

Q17. Raman and Ritu are partners sharing profits in the ratio of 2:3. Rahul is admitted as a partner on 31.3.2015 on the following terms :

(8)

(i) The new profit sharing ratio will be 3:2:1.

(ii) Plant and Machinery, Land & Building and Stock should be appreciated by 10%, 20% and 5% respectively.

Fill in the missing information/figures in the following Revaluation Account, Capital Accounts and Balance Sheet of the new firm.

(6)



Dr. Revaluation Account Cr.

Particulars	(₹)	Particulars	(₹)
To Prov. for B/D	.....	By Plant & Machinery	18,000
To Profit transferred to :		By Land & Building	15,000
Raman's Capital .....		By Stock	6,000
Ritu's Capital .....	.....		
	.....		.....

Dr. Partners' Capital Accounts Cr.

Particulars	Partners			Particulars	Partners		
	Raman	Ritu	Rahul		Raman	Ritu	Rahul
To Balance c/d	.....	.....	.....	By Balance b/d	60,000	40,000	
				By .....			48,000
				By .....	.....	.....	
				By Premium for goodwill	3,000	4,000	
	.....	.....	.....		.....	.....	.....

Balance Sheet as at 31.3.2015

Liabilities	(₹)	Assets	(₹)
Capitals :		Plant & Machinery	.....
Raman .....		Land & Building	.....
Ritu .....		Stock	.....
Rahul .....	.....	Prepaid Insurance	2,500
Bank Overdraft	9,000	Debtors	40,000
Creditors	1,15,500	- Provision for B/D	<u>4,800</u>
Outstanding Salary	3,000	Cash at Bank	64,500
B/P	.....		
Public Deposit	55,500		
	.....		.....

OR

A, B and C are partners sharing profits and losses in the ratio of their capitals. B retired from the firm on 31.3.2014, the date on which the Balance Sheet of the firm was as follows:

(7)

**Balance Sheet**

Liabilities	(₹)	Assets	(₹)
Creditors	24,000	Cash	32,400
B/P	18,000	Debtors	36,000
Capitals :		- Provision	2,400
A	1,80,000	Stock	60,000
B	1,44,000	Fixed Assets	3,48,000
C	1,08,000		
	4,32,000		
	4,74,000		4,74,000

Goodwill of the firm is valued at ₹ 72,000. New profit sharing ratio of A and C is 3:2. Fill in the missing information/figures in the following Ledger Accounts and Balance Sheet.

Dr. Revaluation Account Cr.

Particulars	(₹)	Particulars	(₹)
To Stock	.....	By Fixed Assets	69,600
To Profit transferred to Capital A/cs			
A	.....		
B	.....		
C	.....		
	.....		.....

Dr. Partners' Capital Accounts Cr.

Particulars	A	B	C	Particulars	A	B	C
To .....	.....		.....	By Balance b/d	.....	.....	.....
To B's Loan A/c		.....		By .....	.....	.....	.....
				(Profit)			
To Balance c/d	.....		.....	By .....	.....	.....	.....
				By .....	.....	.....	.....
	.....	.....	.....		.....	.....	.....

**Balance Sheet (Revised)**

Liabilities	(₹)	Assets	(₹)
B's Loan	.....	Cash	32,400
Creditors	24,000	Debtors	.....
B/P	18,000	Stock	54,000
Capitals :		Fixed Assets	.....
A	.....		
C	.....		
	.....		.....

(8)

**Part-B (Analysis of Financial Statements)**

- Q18. State with reason whether sale of marketable securities for cash at par will result in inflow, outflow or no flow of cash and cash equivalent. (1)
- Q19. Define the term cash and cash equivalent as per AS-3 and give any two examples. (1)
- Q20. Mention the heads and subheads under which the following items will be shown in the Statement of Profit & Loss of a company. (4)
- (i) Refund of Tax (ii) Bonus to Employees  
(iii) Sale of Scrap (iv) Bank charges.
- Q21. From the following Balance Sheets of Sun Ltd. as at 31st March 2016 and 2015, prepare common-size Balance Sheet : (6)

Balance Sheet

Particulars	Note No.	31.3.2016 (₹)	31.3.2015 (₹)
<b>I EQUITY AND LIABILITIES</b>			
(1) Shareholders' Funds			
(a) Share Capital		80,00,000	60,00,000
(b) Reserves & Surplus		12,00,000	8,00,000
(2) Non-Current Liabilities			
Long Term Borrowings		24,00,000	20,00,000
(3) Current Liabilities			
(a) Short-term Borrowings		4,00,000	12,00,000
Total		<u>1,20,00,000</u>	<u>1,00,00,000</u>
<b>II ASSETS</b>			
(1) Non-Current Assets			
Fixed Assets			
(i) Tangible		80,00,000	60,00,000
(ii) Intangible		4,00,000	12,00,000
(2) Current Assets			
(a) Inventories		24,00,000	20,00,000
(b) Cash and Cash Equivalents		12,00,000	8,00,000
Total		<u>1,20,00,000</u>	<u>1,00,00,000</u>

- Q22. (a) Opening creditors ₹ 80,000; Opening Bills Payable ₹ 3,000; Closing creditors ₹ 1,00,000; Closing Bills Payable ₹ 17,000; Purchases ₹ 14,00,000; Cash

Purchases ₹ 5,00,000; Purchase Return ₹ 1,00,000.

Calculate Trade Payable Turnover Ratio.

- (b) Assuming that the Debt-Equity ratio is 2:1, state giving reasons, whether this ratio will increase, decrease or will have no change in each of the following cases :
- (i) Issue of new shares against the purchase of fixed asset
  - (ii) Issue of Bonus shares
  - (iii) Declaration of final dividend
  - (iv) Redemption of redeemable Preference shares.

(2+2=4)

Q23. Prepare Cash Flow Statement from the following Balance Sheets as on 31st March, 2014 and 2015 :

Balance Sheet

Particulars	Note No.	31.3.2015 (₹)	31.3.2014 (₹)
<b>I EQUITY AND LIABILITIES</b>			
(1) Shareholders' Funds			
(a) Share Capital		2,00,000	2,00,000
(b) Reserves & Surplus	1	1,00,000	45,000
(2) Non-Current Liabilities			
Long Term Borrowings	2	40,000	30,000
(3) Current Liabilities			
(a) Short-term Borrowings	3	10,000	10,000
(b) Trade Payables	4	60,000	55,000
(b) Other Current Liabilities	5	5,000	—
(c) Short Term Provisions	6	25,000	20,000
Total		<u>4,40,000</u>	<u>3,60,000</u>
<b>II ASSETS</b>			
(1) Non-Current Assets			
Fixed Assets			
(i) Tangible	7	2,30,000	1,80,000
(ii) Intangible	8	20,000	30,000
(2) Current Assets			
(a) Current Investments	9	30,000	20,000
(b) Inventories		60,000	50,000

(10)

(c) Trade Receivables	10	65,000	70,000
(d) Cash and Cash Equivalents		35,000	10,000
Total		<u>4,40,000</u>	<u>3,60,000</u>

Notes on Accounts :

Particulars	31.3.2015 (₹)	31.3.2014 (₹)
(1) Reserves and Surplus		
General Reserve	20,000	5,000
Balance in statement of Profit & Loss	80,000	40,000
	<u>1,00,000</u>	<u>45,000</u>
(2) Long Term Borrowings		
10% Mortgage Loan	40,000	30,000
(3) Short-term Borrowings		
Bank overdraft	10,000	10,000
(4) Trade Payables		
Creditors	50,000	40,000
B/P	10,000	15,000
	<u>60,000</u>	<u>55,000</u>
(5) Other Current Liabilities		
Unclaimed Dividend	5,000	—
(6) Short Term Provisions		
Provision for Tax	25,000	20,000
(7) Fixed Assets - Tangible		
Plant & Machinery	2,30,000	1,80,000
(8) Fixed Assets - Intangible		
Branding	20,000	30,000
(9) Current Investments		
Marketable Securities	30,000	20,000
(10) Trade Receivables		
Debtors	55,000	40,000
B/R	10,000	30,000
	<u>65,000</u>	<u>70,000</u>

Additional Information :

(6)

- (i) Depreciation on Machinery ₹ 20,000
- (ii) Dividend declared and paid @ 10%.
- (iii) Tax paid ₹ 18,000.
- (iv) Additions in mortgage loan on Oct 1, 2014.

ST-XII

11/2016

**SUBJECT : BUSINESS STUDIES (SET-II)**

**Time : 3 Hrs.**

**M.M.: 80**

**General Instructions :**

- (i) *Answers to questions carrying 1 mark may be from one word to one sentence.*
- (ii) *Answers to questions carrying 3 marks may be from 50-75 words.*
- (iii) *Answers to questions carrying 4-5 marks may be about 150 words.*
- (iv) *Answers to questions carrying 6 marks may be about 200 words.*
- (v) *Attempt all parts of a question together.*

- Q1. Which type of plan is 'Swachh Bharat Abhiyaan' started by the Government of India? (1)
- Q2. Identify the Maslow's hierarchy needs highlighted in the following statements :
- (a) Receipt of appreciation letter from HRD minister on Teacher's Day to get recognition.
  - (b) The need, which relates to career opportunities. (1)
- Q3. State whether the following manufacturing concerns require large or small working capital and why? (1)
- (a) Bread
  - (b) Furniture manufacturing against orders
- Q4. Distinguish between Delegation and Decentralisation on the basis of 'Scope' and 'Level of authority'. (1)
- Q5. How does business environment help in coping with rapid changes? (1)
- Q6. ABC Ltd. is engaged in producing electricity from domestic garbage. There is almost equal division of work and

(1)

responsibility between workers and management. The management even takes workers into confidence before taking important decisions. All the workers are satisfied as the behaviour of the management is very good.

State the principle of scientific management described in the above para. (1)

- Q7. 'Beauty Products Ltd.' is a natural and ethical beauty brand famous for offering organic beauty products for men and women. The company uses plant based materials for its products and is the No. 1 beauty brand in the country. It not only satisfies its customers but also believes in overall protection of the planet.

Identify the marketing management philosophy being followed by 'Beauty Products Ltd.'. (1)

- Q8. Explain the meaning of 'Authoritative Style' of leadership. (1)

- Q9. Identify and explain the dimensions of business environment in the following :

(a) 'Make in India' was a campaign initiated by PM Narendra Modi so as to make India an enterprising investment avenue.

(b) According to the 'Weights and Measures Act, 2000', every eatable product must clearly bear a green dot for vegetarian ingredients and a red dot for non-vegetarian contents.

(c) Various taxes like Central Sales Tax, VAT, Service Tax, etc. will be replaced by General Sales Tax (GST) to bring uniformity in the tax structure in all the states of the country. (3)

- Q10. What is 'Management by Exception' in the process of Controlling? (3)

Q11. Ayesha Ltd. assured their employees that in spite of recession no worker will be retrenched from the job.

- (a) Name and explain the type of incentive offered to the employees.
- (b) Also, explain any other two incentives of the same category. (3)

Q12. KPM Ltd. has been manufacturing breads and biscuits for many years. It has approximately 150 employees and most of them are not happy with the working environment. Because of this the labour turnover rate is very high. Therefore, the company appoints a new Human Resource Manager, Naveen, to analyse the situation. Naveen finds that there is no free flow of communication, and no suggestion box for the employees to voice their suggestions or grievances. The company rarely organises a social or cultural gathering. The employees just come, finish their work and leave the organisation.

- (a) Identify the communication barrier discussed above.
- (b) State the category of this communication barrier.
- (c) Explain any other two communication barrier of the same category. (3)

Q13. A company wants to modify its existing product in the market due to decreasing sales. You can imagine any product about which you are familiar. What decisions/steps should each level of management take to give effect to this decision? (3)

Q14. A pharmaceutical company has invested a huge sum of money on a Research and Development project. Name the type of financial decision undertaken by the company. Also, discuss its importance. (4)

Q15. Nutan Tiffin Box Service was started in Mumbai by Dabbawalas. The Dabbawalas who are the soul of entire



Mumbai aim to provide prompt and efficient services by providing tasty homemade tiffins to all office goers at right time and place. The service is uninterrupted even on the days of bad weather, political unrest and social disturbances. Recently, they have started online booking system through their website 'mydabbawala.com'. Owing to their tremendous popularity amongst the happy and satisfied customers and members, the dabbawalas were invited as guest lecturers by top business schools. The Dabbawalas operate in a group of 25-30 people along with a group leader. Each group teams up with other groups in order to deliver the tiffins on time. They are not transferred on frequent basis as they have to remember the addresses of their customers. They follow certain rules while doing trade - No alcohol during working hours; No leave without permission; Wearing of white caps and carrying ID cards during business hours.

Recently on the suggestion of a few self motivated fellow men, the dabbawalas thought out and executed a plan of providing food left in tiffins by customers to slum children. They have instructed their customers to place red stickers if food is left in the tiffin, to be fed to the poor children later.

- (a) Identify any three principles of management being followed in the organisation and state their advantages.
- (b) Give any two values which the Dabbawalas want to communicate to the society. (4)

Q16. Identify the sales promotion tool highlighted in each case :

- (a) A company offers a pack of  $\frac{1}{2}$  kg. sugar with the purchase of 5 kg. bag of wheat flour.
- (b) Purchase goods worth ₹ 50,000 and get a holiday package worth ₹ 10,000.

(4)

- (c) Automobiles Ltd. offered to sell their new bike at about ₹ 4,000 lesser than the usual price.
- (d) A customer gets ₹ 5 off on return of an empty wrapper while making a new purchase of the same product.

(4)

Q17. Shiv Nadar, Chairman and CEO of HCL attributes the success of the group to its management team and their entrepreneurial spirit which together have enabled it to handle rapid changes in the environment and technologies. At HCL, management believes that happy, satisfied and self motivated employees help in reducing costs and increase productivity. It also has a strong sense of social responsibility and has set up educational institutions in the field of management, engineering, computers, etc.

Identify and explain the significance of management in the above case.

(4)

Q18. The soft-drinks giants, Pepsico and Coca-Cola, suffered a decline in sales of colas in India in the beginning of the year 2006 after an environmental group, Centre for Science and Environment (CSE) claimed to have found pesticides in their drinks upto 50 times the permissible health limits. As a result its relations with the customers got spoiled and the image of the company was damaged in the public. Therefore the company took all possible measures to protect and promote its favourable image in the eyes of public. These companies issued a number of press statements and conducted many publicity campaigns in India claiming that their beverages were perfectly safe. The Union Health Ministry's expert committee also observes that Coke and Pepsi were safe. Meanwhile the soft drinks giants have been continuously advertising and trying to convince the consumers about the safety of their products.

(5)

(a) Name and state the communication tool used by the marketer in the above case to improve its image.

(b) Also explain role of the tool as identified in part (a).

(4)

Q19. It is described as the managerial function of filling and keeping the positions in the organisation structure. Identify it and state its importance.

(4)

Q20. 'Generally, consumers prefer to buy goods directly from the producers but it is not always possible'. Give reasons, why is it so by explaining different factors responsible for this.

(5)

Q21. 'Radhika Limited' manufactures blankets. Company's history has been satisfactory, but for the past sometime, its cash flow position is in a bad shape. That is why company has not been able to pay sufficient dividend to its equity shareholders. When Mrs. Rakhi Khetarpal, the finance manager, tried to find out the causes of poor financial situation of the company, she observed that the control of the company was in the hands of several persons who were unable to take any concrete decisions. To come out of this financial crisis, Mrs. Khetarpal, has been deliberating on the kind of source of finance that needs to be tapped to arrange funds. She wants to make use of such a source as does not prove to be a fixed burden on the company. She also has to keep in mind that company has got its premises on rent and the rent is exorbitant. Similarly, it has to bear the burden of fixed salaries. She is also worried about the fact that in future, control of the company should not be in the hands of too many persons.

(a) Identify the factors affecting the financing decision highlighted in the above case by quoting the lines.

(6)

(b) Also, explain any other two factors affecting this decision. (5)

Q22. Mohan wants to sell 50 shares of Tata Motors. Explain the various steps that he is required to fulfil for the same. (5)

Q23. Rashmi was a student of Business studies of Class XII. Her father was a farmer who grew different varieties of rice and was well-versed about various aspects of rice cultivation. He was also selected by the government for a pilot-project on rice cultivation. As a project work in Business Studies she decided to study the feasibility of marketing good quality rice at a reasonable price. Her father suggested her to use internet to gather customer's views and opinions. She found that there was a huge demand for packaged organic rice. She knew that there were no pre-determined specifications in case of rice because of which it would be difficult to achieve uniformity in the output. To differentiate the product from its competitors, she gave it the name of 'Malabari Organic Rice' and classified it into three different varieties namely - Popular, Classic and Supreme, based on the quality. She felt that these names would help her in product differentiation.

(a) Identify the three marketing functions discussed in the above case.

(b) Explain any other three functions of marketing. (6)

Q24. Mr. Sanjay Nehra was the chairman of 'Taran Bank'. The bank was earning good profits. Shareholders were happy as the bank was paying regular dividends. The market price of their shares was also steadily rising. The bank was about to announce taking over of 'Vena Bank'. Mr. Sanjay Nehra knew that the share price of 'Taran Bank' would rise on this announcement. Being a part of the bank, he was not

allowed to buy shares of the bank. He called one of his rich friends Sudhir and asked him to invest ₹ 5 crores in shares of his bank promising him the capital gains.

As expected, the shares prices went up by 40% and the market price of Sudhir's shares was now ₹ 7 crores. He earned a profit of ₹ 2 crores. He gave ₹ 1 crore to Mr. Sanjay Nehra and kept ₹ 1 crore with himself. On regular inspection and by conducting enquiries of the brokers involved, Securities and Exchange Board of India (SEBI) was able to detect this irregularity. The SEBI imposed a heavy penalty on Mr. Sanjay Nehra.

Discuss the functions performed by SEBI in the light of the above case. (6)

Q25. Kalpana Printers purchased a printing machine from Rangarajan Machines Pvt. Ltd., Bengaluru. But after a month use, the machine proved to be of very inferior quality. The purpose for which the machine was purchased was not solved and it adversely affected the quality of production. False claims were made by the company while selling, about the performance of the machine. Now, Kalpana Printers is planning to file a complaint for compensation against Rangarajan Machines Pvt. Ltd.

Explain the redressal system available to the company. (6)

ST-XII

11/2016

SUBJECT : ECONOMICS [SET-II]

Time : 3 hrs.

M.M. : 100

General Instructions :

- (i) All questions in both the sections are compulsory.
- (ii) Marks for questions are indicated against each.
- (iii) Question Nos. 1-5 and 16-20 are very short answer questions carrying 1 mark each. They are required to be answered in one sentence.
- (iv) Question Nos. 6-8 and 21-23 are short answer questions carrying 3 marks each. Answer to them should not normally exceed 60 words each.
- (v) Question Nos. 9-11 and 24-26 are also short answer questions carrying 4 marks each. Answer to them should not normally exceed 70 words each.
- (vi) Question Nos. 12-15 and 27-30 are long answer questions carrying 6 marks each. Answer to them should not normally exceed 100 words each.
- (vii) Answers should be brief and to the point and the above word limit be adhered to as far as possible.

SECTION-A

- Q1. If marginal rate of transformation is constant, Production possibilities curve will be : (Choose the correct alternative) (1)
- (a) downward sloping concave
  - (b) downward sloping convex
  - (c) downward sloping straight line
  - (d) parallel to x-axis
- Q2. Suppose total revenue is rising at a constant rate as more and more units of a commodity are sold, marginal revenue would be : (Choose the correct alternative) (1)
- (a) Greater than average revenue
  - (b) Equal to average revenue
  - (c) Less than average revenue
  - (d) Rising

(1)

- Q3. There is an inverse relation between price and demand for the product of a firm under : (Choose the correct alternative) (1)
- (a) Monopoly only
  - (b) Monopolistic competition only
  - (c) Both under monopoly and monopolistic competition
  - (d) Perfect competition only
- Q4. Define positive economics. (1)
- Q5. Define maximum price ceiling. (1)
- Q6. When price of a commodity falls from ₹ 12 per unit to ₹ 9 per unit, the producer supplies 75 percent less output. Calculate price elasticity of supply. (3)

OR

- The quantity demanded of a commodity at a price of ₹ 8 per unit is 600 units. Its price falls by 25 percent and quantity demanded rises by 120 units. Calculate its price elasticity of demand. (3)
- Q7. A consumer consumes only two goods X and Y, both priced at ₹ 2 per unit. If the consumer chooses a combination of the two goods with marginal rate of substitution equal to 2, is the consumer in equilibrium? Why or why not? What will a rational consumer do in this situation? Explain. (3)
- Q8. Answer the following questions : (3)
- (a) 'Distance between total cost and total variable cost decreases with increase in output'. True or False. Give reason.
  - (b) As soon as marginal cost rises, average cost also rises. True or False. Give reason.
  - (c) A farmer invests his own savings in doing farming but hires labour to do work. Identify implicit cost
- Q9. Explain the implications of the following : (4)
- (a) Homogeneous product under perfect competition.
  - (b) Barriers to entry of new firms under oligopoly.

- Q10. Explain the effect of (a) fall in the own price of good X and (b) rise in tax rate on good X on the supply curve. Use diagrams. (4)

OR

Distinguish between "change in quantity supplied" and "change in supply". Use diagrams. (4)

- Q11. Explain the problem of "For whom to produce" with the help of an example. (4)
- Q12. Market for a product is in equilibrium. Demand for the product "increases". Explain the chain of effects of this change till the market again reaches equilibrium. Use diagram. (6)
- Q13. Distinguish between short-run production function and long-run production function. Explain, with the help of a diagram, the behaviour of total product in short run. (6)

OR

Why is the equality between marginal cost and marginal revenue necessary for a firm to be in equilibrium? Is it sufficient to ensure equilibrium? Explain with the help of a diagram. (6)

- Q14. A consumer consumes only two goods X and Y. Explain the conditions of consumer's equilibrium using marginal utility analysis. (6)
- Q15. (a) Explain the effect of increase in income of a consumer on demand for a good.
- (b) Explain why is an indifference curve (i) downward sloping and (ii) convex. (3+3)

**SECTION-B**

- Q16. Primary deficit equals : (Choose the correct alternative) (1)
- (a) borrowings
- (b) interest payments
- (c) borrowings less interest payment
- (d) borrowings and interest payments
- Q17. Define revenue expenditure. (1)
- Q18. Which of the following statement is correct about Domestic income : (Choose the correct alternative) (1)

(3)



- (a) It is the sum of factor incomes generated within the domestic territory of a country.
- (b) It is generated by the normal residents as well as non-residents within the domestic territory of a country.
- (c) It is equal to national income when net factor income from abroad is zero.
- (d) All of these.

Q19. Net Value added at factor cost + depreciation + Net indirect tax + intermediate consumption = Sales + \_\_\_\_\_  
(Choose the correct alternative) (1)

- (a) Net factor income from abroad
- (b) Value of output
- (c) Change in stock
- (d) Imports.

Q20. Define money supply. (1)

Q21. "Indian investors borrow from abroad". In which sub-account and on which side of the Balance of Payment Account will this borrowing be recorded? Give reasons. (3)

Q22. An economy is in equilibrium. Find investment expenditure when (3)

National income = 1,200

Autonomous consumption expenditure = 150

Marginal propensity to consume = 0.8

OR

In an economy, investment is increased by ₹ 500 crore. If marginal propensity to consume is  $\frac{4}{5}$ , calculate increase in national income. (3)

Q23. Explain the significance of 'store of value' function of money. (3)

Q24. Explain the 'bank of issue' function of Central Bank. (4)

OR

Explain 'Government's Bank' function of Central Bank.

(4)

Q25. Giving reason, explain how should the following be treated in estimation of national income of India. (4)

- (i) Festival gifts to employees.
- (ii) Expenditure on purchase of car for use by a firm.
- (iii) Dividends received by an Indian from his investment in shares of a foreign company.
- (iv) Interest received on loan given to a friend for purchasing a car.

Q26. Government incurs expenditure to popularize yoga among the masses. Analyse its impact on gross domestic product and welfare of the people. (4)

Q27. Outline the steps required to be taken in deriving saving curve from the given consumption curve. Use diagram. (6)

OR

Using the 'saving and investment' approach explain how is the equilibrium level of national income determined. Also explain the changes that take place in an economy when the economy is not in equilibrium. (6)

Q28. Explain the concept of Inflationary Gap. Also, explain the role of repo rate in reducing this gap. (6)

Q29. (a) How can the government budget be used to bring price stability in the economy?

(b) Distinguish between direct and indirect taxes. (4+2)

Q30. Calculate Net Domestic Product at Factor Cost and Private Income : (6)

Items	(₹ crore)
(i) Gross national disposable income	600
(ii) Net current transfers to abroad	(-) 80
(iii) Consumption of fixed capital	60
(iv) Current transfers from government	30
(v) Indirect tax	100
(vi) National Income accruing to government	60
(vii) Subsidies	10
(viii) Net factor income to abroad	(-) 10
(ix) National debt interest	40
(x) Personal tax	150

(5)