

**Annual Examination 2014 – 15****Time: 3:00 Hrs.****M. M. 100**

- Q.1 Explain the systems of Accounting. 2
- Q.2 What do you mean by Bank Reconciliation Statement? Write any two importance of this. 2
- Q.3 What do you mean by Intangible Assets? Give two example. 2
- Q.4 Write any three difference between SLM & WDV methods of depreciation. 3
- Q.5 Explain any three characteristics of Balance Sheet. 3
- Q.6 Write any three difference between Single entry system & double entry system. 3
- Q.7 What do you mean by NPO? Explain any two features of NPO. 3
- Q.8 What do you mean by bills of exchange? Explain the parties of bills of exchange. 4
- Q.9 From the following information's calculate opening stock : 4

Cash purchase	70000	Closing stock	40000
Credit purchase	55000	Salary & wages	10000
Total sales	160000	Carriage inwards	4000
Cash sales	40000	Sales return	20000
Royalty	7000	Return outwards	5000
Audit fees	12000	Gross profit	25% at cost

- Q.10 On the basis of following information's calculate the amount to be debited to stationery Account in the income & expenditure a/c for the year ended 31<sup>st</sup> March 2010. 4

Stock of stationery on 1 <sup>st</sup> April 2009	3560
Creditors for stationery on 1 <sup>st</sup> April 2009	6720
Advance amount paid for stationer on 1 <sup>st</sup> April 2009	1850
Amount paid for stationery during the year	18200
Stock of stationery on 31 <sup>st</sup> March 2010	4310
Creditors for stationery on 31 <sup>st</sup> March 2010	6290
Advance amount paid for stationer on 31 <sup>st</sup> March 2010	2590

- Q.11 Prepare opening entry from following balances and show balance in Bills Receivable and Creditors A/c 4

Cash a/c	42000	Bills receivable	25000
Bank overdraft	15000	Closing stock	18000
Debtors	58000	Capital	100000
Creditors	32000	Outstanding expenses	5000
Bills payable	18000	Accrued Rent	7000

- Q.12 Pass necessary rectify entries for following errors :- 4

- (i) Goods sold to Kapil ` 28000 but debited to Karan a/c ` 2000.
- (ii) Depreciation charged on machine ` 3700 but machine a/c were debited ` 700 & depreciation a/c were credited ` 3000.

- Q.13 Pass necessary Journal entries for following transaction in the Books of Rajat 4

- (i) Mohit sold goods to Rajat ` 180000 (T.D 10%. C.D. 5%, 60% Cash)
- (ii) Rajat sold goods to Narayan ` 250000. (T.D. 20%, VAT-10%)

- Q.14 From the following information prepare P.B.D. P.D.D. a/c : 4

Balance in trial Balance : Debtors ` 137250, PBD ` 12350, PDD ` 4400  
Discount Received ` 1200, Discount allowed ` 1080  
Bad debts ` 6700, creditors ` 107250

Adjustment : (i) F.B.D. ` 7250, (ii) PBD – 8%, (iii) PDD -2%.

- Q.15 Mohan Lal keeps incomplete records of his business. From the following information calculate profit or loss of his business during the accounting period. 6

Particulars	1 <sup>st</sup> April 2009	31 <sup>st</sup> March 2010
Cash in hand	4500	3500
Bank Balance	8500	7500
Furniture	12000	10800
Stock	21800	23000
Creditors	24000	25400
Debtors	23600	24800

During the year, he withdrew ` 500 P.m. for his household needs & withdrew goods ` 3000 for domestic use. During the year he sold his motorbike for ` 10000 & introduced ` 8000 into the business.

- Q.16 Prepare a Bank reconciliation statement as on 31-3-2010 from the following information – 6
- Credit balance as per pass book ` 3450.
  - Cheque deposited in to the Bank ` 8500 but cheque for only ` 6850 were credited by Bank till date.
  - Cheques drawn for ` 7450 of which cheques C were cashed by 31-3-2010.
  - Bank credited ` 200 for interest & debited ` 120 for Bank charges.
  - A customer deposited ` 800 in our Bank account is recorded twice in the Cash Book.
  - Pass book deposit column total under cast by ` 2100

- Q.17 Prepare a Receipts and Payments A/c from the following information 6

Particular	Amount	Particular	Amount
Opening balance	13475	Total subscription received during the year	51400
Subscription received for next year	5470	Subscription outstanding for current year	6240
Depreciation charged on Assets	3200	Salary paid for current year	13500
Salary paid for previous year	1200	Salary out standing for current year	1440
General expenses paid	4200	Total Furniture purchased (40% on credit)	15000
Sale of Furniture (Book value )	5200	Profit on sale of furniture	850
Paid insurance premium	1820	Sports Material purchased	7840

- Q.18 From the following information's prepare a machine a/c for three years :- 8

1.01.04	Purchase machine I	` 300000
1.07.04	Purchase machine II	` 200000
1.04.05	Sold half part of II machine	` 85000
1.01.06	Sold machine I	` 248000
1.10.06	Purchase machine III	` 100000

Closing date for each year 31<sup>st</sup> December. Depreciation charged on machinery @ 10% per annum on original cost.

- Q.19 A sold goods to the value of ` 12000 to B. taking a bill at 3 months on 1<sup>st</sup> July 2009. A discounted the bill on 4<sup>th</sup> August 2009 @ 5% P.A. with his banker. On the maturity Date the bill was dishonored & paid for it ` 200 for noting charges. B paid ` 3200 in cash and accepted a new bill for balance with interest @ 6% per annum for two months. This bill was endorsed to C. on the due date of new bill B become in solve. C paid ` 110 for noting charges. A received 75% amount in final settlement from B. Make the entries in A's Journal recording the above transactions. 8

Q.20 From the following Trial Balance prepare Financial statements for the year ended 31<sup>st</sup> March 2011.

10

Debit Balance		Credit Balance	
Salaries	10200	Sales	66420
Bills Receivable	6400	Capital	50000
Investments	40000	Provision for Bad debts	2500
Furniture	12000	10% loan (1.10.2010)	10000
Opening stock	4500	Discount received	400
Purchase	30000	Sundry creditors	9300
Debtors	20000	Bills payable	5000
Interest on loan	400	Outstanding salary	500
Insurance premium	900	Bad debts recovered	200
Wages	4600	Interest on Investment	2000
Rent	1520	Commission received	7000
Bad debts	1200		
Carriage out wards	600		
Cash at Bank	10000		
Depreciation (Furniture)	2500		
Accrued Commission	1000		
Advertisement	7500		
<b>Total</b>	<b>153320</b>	<b>Total</b>	<b>153320</b>

Adjustments :

- Closing stock ` 6000.
- Goods costing ` 1000 were distributed as free sample & Goods costing ` 500 were taken by the proprietor for personal use.
- A credit sale of ` 2000 was not recorded in books
- Maintain provision for Doubtful debts @ 5%.
- Prepaid rent ` 320.

**OR**

The following is the Receipts and Payment Account of a New Sports Club for the year ended 31<sup>st</sup> December 2009-

10

Receipts		Payments	
To Cash-in hand	150	By Grounds men's fees	1500
To Cash in Bank	2100	By moving Machine	1100
To Subscriptions	5800	By Rent	500
To Tournament Fund	1500	By Salaries to Coaches	3600
To Life Membership Fees	2000	By Tournament Expenses	900
To Entrance Fees	200	By Office Expenses	2400
To Donations for Pavilion	3000	By Sports Equipment purchased	1200
To Sales of grass	100	By Cash in hand	350
		By Cash at Bank	3300
<b>Total</b>	<b>14850</b>	<b>Total</b>	<b>14850</b>

Subscriptions due on 31<sup>st</sup> December, 2008 and on 31<sup>st</sup> December, 2009 were ` 900 and ` 800 respectively. Subscription received also included subscriptions for 2010 ` 200. Sports equipment on hand on 31<sup>st</sup> December, 2008 was ` 1100. The Value placed on equipment on hand on 31<sup>st</sup> December 2009 was ` 1300. The moving machine was purchased on 1<sup>st</sup> July, 2009 and is to be depreciated @20% p.a. Office Expenses include ` 300 for 2008 and ` 400 are still due for payment. Tournament receipts and expenses are to be separated from general incomes and expenses. Prepare Income and Expenditure Account and Balance Sheet relating to 2009.

**ORAL** →

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**\*\* ALL THE BEST \*\***

Roll No. \_\_\_\_\_

Code No. 11/Computer Sc./NLCS/36

## Annual Examination 2014 – 15

Time: 3:00 Hrs.

M. M. 70

- Q.1 Draw k.map for the following Boolean function –  
F (A,B,C,D) =  $\Sigma(0), 3, 7, 8, 9, 12, 13, 15$ . 4
- Q.2 Draw the circuit diagram of the function –  
 $A'BC + ABC' + A'B'C'$  2
- Q.3 Prepare Truth Table for the following Boolean equation –  
 $F(A,B,C) = A'B + BC + AC$  2
- Q.4 Define cardinality and Degree. 2
- Q.5 What will be the output of the following code form the option I to IV? 3
- ```
# include <stdlib.h>
# include <iostream.h>
void main (
{
    randomize ( );
    int    Xcore ( ) = { 25, 20, 34, 56, 72, 63 } ;
    int    Myscore ;
    Myscore = Score [ + 2 random [(2)];
    Cont << Myscore << endl;
}

```
- (i) 25      (ii) 34      (iii) 20      (iv) None of the above
- Q.6 Find the output of the following program – 4
- ```
# include <iostream.h>
# include < string.h>
# include < stype.h>
void change (char msg [ ], int len)
{
    for (in count – 0; count <len ; count ++ )
    {
        if( islower (Msg [ count ] ))
            msg [count]=topper (msg(count));
        else
            if(is upper(msg[count]))
                msg[count]=tolower[msg(count)];
            else
                if (isdigit (msg(count)))
                    msg (count)=Msg[count]+1;
            else
                msg (count)= ‘ *’;
    }
}

void main ( )
{
    char message ( ) = “2005 tests ahead”;
    int size = strlen (message);
    count << Message<<endl;
    for (int C=0; R=size–1; C<=size /2; C++, R – – )
    {
        char t= message (C).
        message (C)=Message (R);
        message (R) = t;
    }
    cout << Message << endl;
}

```

Q.7 What will be the output of the following program :-

3

```
# include <iostream.h>

Void main ( )
{
    int V1 = 5, V2=10;
    for (int x=1; x <=2; x++)
    {
        cout << ++V1 <<" / t"<<V2 --<<endl.
        cout << --V2<<" / t"<<V1++<<endl;
    }
}
```

Q.8 Consider the following table STORE. Write SOL command for the following statements :-

8

Item No.	Item	Scode	Qty.	Rate	Last Buy
2005	Sharpener classic	23	60	8	31-Jun-09
2003	Ball pen 0.25	22	50	25	01-Feb-10
2002	Gel pen Premium	21	150	12	24-Feb-10
2006	Gel pen Classic	21	250	20	11-Mar-09
2001	Eraser Small	22	220	6	19-Jan-09
2004	Eraser Big	22	110	8	02-Dec-09
2009	Ball pen 0.5	21	180	18	03-Nov-09

- (i) To display detail of all the items in the store table in ascending order of Last Buy.
- (ii) To display Item No. and Item name of those items from store table whose Rate is more than 15 Rupees.
- (iii) To display the detail of those item whose supplies code (Scode) is 22 or Quantity is more than 110 from the table store.
- (iv) To display minimum Rate of items for each supplier code individually as per scode from the table store.

Q.9 Write programs for the following :-

- (i) WAP to print an integer array reversely 3
- (ii) WAP to count total no of spaces and digits from a given string. 3
- (i) WAP to check whether a given no is prime or not. 3
- (ii) WAP to take 5 subject marks of a student and prepare the marks sheet of the student use following structure. 4

```
struct stud
{
    int marks [5];
    char name [10];
    int total;
    float per;
};
```

- (iii) WAP to print factorial series like; :- 3  
0,1,2,6,24,120.....
- (iv) WAF function to calculate area of a circle. 2

Q.10 Explain default argument function with suitable example. 5

Q.11 Define :- (i) Auto (ii) function adding (iii) software (iv) compiler 8

Q.12 Rewrite the following codes often removing all error. Underline each correction :-

```
? include <iostream.h>
(i)          Void main [ ]
{   integer    a = 1; b=2; c=a+b;
    cout << a>>b,c;
    getch();
}
```

 2

```
(ii)         # include <iostream.h>
            # include < conio.h>
            Void MAIN( )
{   int    a { }= [ 1, 2,3,4,7, 8, ];
    for ( i=0; i<6;i++)
    count <<a [i]l
    a=a+3 -5
    c=a - 7
};
```

 2

```
(iii)        # include < iostream,h>
            # include < conio.h>
            Void main c)
{   int I = 1;
    char a { { = "My Name is Ram";
    int l= strlen (a);
    strcpy (c, a);
}
```

 2

```
(iv) void main ( )
{   int    a = 37
    b a×c;
    cout >>a,b;;
}
```

 1

Q.13 Explain :- (i) NAND gate (ii) NOR gate 2

Q.14 Draw the circuit diagram for the following (Using NOR gate) :- 2

$$F(A,B,C)=A'B+A'BC$$

**Annual Examination 2014 – 15****Time: 3:00 Hrs.****M. M. 100**

General Instruction :-

Section A Reading 20

Section – C Literature 30

Section B Writing &amp; Grammar 30

SECTION – D LISTENING SKILL &amp; SPEAKING SKILL 20

**SECTION – A Reading**

## Unseen Passage

A.1 Read the following passages carefully and answer the questions that follow :

1. The story goes something like this: God was in one of his generous and indulgent moods. Deeply satisfied with his creation. He decided to answer all prayers.
2. The wish list was as huge as it was varied. So, there was an unexpected feast for the hungry beggar, a family of five daughters was blessed with a much prayed for son, rains for a drought stricken farmer, success in exams for one, a pot of gold for another and more .
3. Even as God was busy granting wishes and making dreams come true, the angel by his side drew the Almighty's attention to the fervent prayer of the tiny woman patiently awaiting an audience.
4. God said that he had heard her plea and had already granted her wish. But, argued the angel, "It was so unfair. Why did the Almighty not bless her, of all people, with a bonny, healthy child? Surely her cup of woes was already full. She did not deserve this, so why Lord, why?"
5. God smiled mysteriously and explained. "Because she has what the others don't – patience, courage, the grit to fight against all odds and most of all, boundless love and understanding. She is a special woman and only a woman like her can love and care for the very 'special' child I have given her".
6. Truly God could not be everywhere, so he created a mother. But it takes a very special mother to care for a very special child, and sometimes not just a child but many children.
7. The Four Steps School for special children is perhaps an endorsement of the Almighty's firm faith in the grit and never-say-die spirit of a special mother.
8. Brainchild of Jayanti Dalmia, herself a mother of a special child, the school endeavours to enable the disabled, empower physically and mentally challenged children and help them find their place under the sun.
9. A unit of Dalmia Sewa Trust, Four Steps is a research, training and rehabilitation centre for children with special needs. As the name suggests, the school takes the child step by step through the four crucial stages of his growing years. And one of these includes nurturing the innate abilities and latent talent of these physically challenged yet gifted children. And what better way to hone their talents than at a workshop at the school.
10. The workshop helps to train students in various arts on the basis of their level of dependence and enhancing skills with an eye towards a future vocation. The participants include students from Four Steps and various integrated and special schools like Vasant Valley, Air Force Golden Jubilee, Tamanna, Muskan and Sahan Institute.
11. Students at the workshop are divided into three training segments, independent, partially dependent and dependent. Totally independent students are engaged in high calibre activities that include GK, photography, clay modeling etc. Partially dependent students get to work on art, craft, games, music and dance, while those who are completely dependent and require constant supervision participate in play therapy, fun games, block and leaf printing etc.
12. At the end of the workshop the participants will head for an outstation trip to enable them to be more independent emotionally and self-confident.
13. Powered by a group of dedicated youngsters including Principal Himanshu Das, the school is a hub of activity where special children come for an enriching experience. "It is the most fulfilling and satisfying experience of one's life to see a child grapple with and overcome his disability to stand on his own," say Das.

14. An emotion echoed by Jayanti Dalmia, who says that the workshop is one way to “help us grasp a student’ individual aptitude and train him or her accordingly. This is a small attempt to enable them to lead a bright and fulfilling life.” It takes a very special mother to care for a very special child, and sometime not just a child but many children.

- Q.1 (I) On the basis of your reading of the passage, answer the following questions briefly.
- (a) For what reason did the angel argue with God? 1
  - (b) What did God explain to the angel? 1
  - (c) How does the unit of Dalmia Sewa Trust help ‘special’ children? 1
  - (d) How does the workshop divide the students in the three segments? What kind of activities are they engaged in? 2
  - (e) How does it become a satisfying experience for the Principal Himanshu Das? 1
- (II) On the basis of your reading of the passage, answer the following questions by choosing the correct option. **1×6=6**
- (i) What did God decide when he was in a generous and indulgent mood?  
(a) He granted the wish of the special woman (b) He argued with the angel  
(c) He decided to answer all prayers (d) All of these
  - (ii) What is the meaning of the term ‘special child’ in the passage?  
(a) Gifted child (b) Child of a special mother  
(c) Retarded child (d) Disabled or challenged child
  - (iii) Which word in para 13 is a synonym of ‘tackle’?  
(a) Grapple (b) Hub (c) Experience (d) Overcome
  - (iv) Which word in para 11 is a synonym of ‘potential’?  
(a) Independent (b) Calibre (c) Constant (d) Dependent
  - (v) Which word in para 9 means the same as ‘Inborn or natural’?  
(a) Latent (b) Crucial (c) Innate (d) Talent
  - (vi) Which word in para 7 is a synonym of ‘approval’?  
(a) Faith (b) Special (c) Grit (d) Endorsement

A.2 Read the following passage carefully and answer the questions that follow :-

It has been said that everyone lives by selling something. In the light of this statement, teachers live by selling knowledge, philosophers by selling wisdom and priests by selling spiritual comfort. Though it may be possible to measure the value of material goods in terms of money, it is extremely difficult to estimate the true value of the services which people perform for us. There are times when we would willingly give everything we possess to save our lives, yet we might grudge paying a surgeon a high fee for offering us precisely this service. The conditions of society are such that skills have to be paid for in the same way that goods are paid for at a shop. Everyone has something to sell.

Tramps seem to be the only exception to this general rule. Beggars almost sell themselves as human beings, to arouse the pity of passers-by. But real tramps are not beggars. They have nothing to sell and require nothing from others. In seeking independence, they do not sacrifice their human dignity. A tramp may ask you for money, but he will never ask you to feel sorry for him.

He has deliberately chosen to lead the life he leads and is fully aware of the consequences. He may never be sure where the next meal is coming from, but he is free from the thousands of anxieties which afflict other people. His few material possessions make it possible for him to move from place to place with ease. By having to sleep in the open, he gets far closer to the world of nature than most of us ever do. He may hunt, beg or steal occasionally to keep himself alive; he may even, in times of real need, do a little work; but he will never sacrifice his freedom. We often speak with contempt for tramps and put them in the same class as beggars, but how many of us can honestly say that we have not felt a little envious of their simple way of life and their freedom from care?



- Q.2 (i) On the basis of your reading of the above passage make notes on it, using headings and sub-headings. Use recognizable abbreviations wherever necessary (minimum 4). Supply an appropriate title to it. **5**
- (ii) Write a summary of the above passage in about 80-100 words. **3**

**Section B Writing & Grammar**

- Q.3 You are Students Union Advisor of Zenith Public School, New Delhi. Write an election notice inviting nominations for the post of President, Secretary and Treasurer of the Students Club. Give all necessary details. **4**

**OR**

Draft an attractive poster for 'SAVE TREES, SAVE EARTH' Campaign.

- Q.4 You are greatly disturbed by loudspeakers blaring at high volume, particularly during festival times, use of loudspeakers is made without caring for the peace of local residents. Write a letter to Editor of 'The Hindustan Times'. About this, you are Sanjay / Saniya. **6**

**OR**

You are Suresh. You bought a scooter manufactured by Plazar Company from Pluto Automobiles Ltd., Industrial Area, Chandigarh. After 3 months its started giving problems. Write a letter to company asking them to either replace the scooter or give money back.

- Q.5 Write an article in 150-200 on the topic 'The Problem of Unemployment in India'. **10**

**OR**

You are Ameena / Aman of V. K. International School, New Delhi. Recently your school organized a Cultural Week. Write a **Report** in about 150-200 words for your school magazine.

- Q.6 The following passage has not been edited :- **4**

Cricket in South Asia are a festive (a) -----  
 game. It carry not merely this baggage (b) -----  
 of competition, but was also a cultural (c) -----  
 event that invoke images of religious (d) -----  
 festivals. It are now (e) -----  
 become a substitute for war. No (f) -----  
 country now lost a game because the (g) -----  
 other side had better, a country loses (h) -----  
 only because its cricketers are under patriotic.

- Q.7 Rearrange the words to make meaningful sentence :- **2**

(i) and sat in / hired / his boat / we / ₹. 200/- / for / a boatman

(ii) began to row / two boatmen/ there were / on our boat / it / and they

- Q.8 Read the conversation given below and complete the following passage by filling in the blank. **4**

Customer : Can I have a small bottle of tomato sauce?

Shopkeeper : Sorry, I have only big bottles.

Customer : When will it be available?

Shopkeeper : I can give it to you tomorrow.

Customer : Thank you, then I will get it tomorrow.

The customer asked the **(a)**. The shopkeeper said **(b)** tomato sauce. The customer wanted to know **(c)**. The shopkeeper said that **(d)**.

**Section C (Literature)**

Q.9 Read the extract and Answer the Questions :- **3**  
*They talked of love and preached of love  
But didn't act so lovingly,  
was that the day!*

- (i) 'They' in the above lines refers to .....
- (ii) About which day is the poet talking about?
- (iii) ----- is the word similar to 'preached'.

Q.10 Answer **any three** of the Questions given below : **9**

- (i) What kind of a teacher and a human being is Crocker Harris, according to Taplow?
- (ii) Who was the wisest man? What advice did he give?
- (iii) Why does Nani Palkhivala call the Earth '**The Ailing Planet**'?
- (iv) What was the narrator's grandmother's daily routine? How did she keep herself busy?

Q.11 Answer the following Question in 120-150 words :- **6**

Why was Andrew Manson torn between two desires? What were the desires and how did he resolve this dilemma?

**OR**

Describe King Tut and his family.

Q.12 The Canterville Ghost had '**a brilliant and uninterrupted career of three hundred years**'.  
Explain. **6**

Q.13 Bring out the significance of the funeral ceremony of Sir Simon, the Canterville Ghost. **6**

**SECTION – D LISTENING SKILL & SPEAKING SKILL** **20**

\*\* ALL THE BEST \*\*



Q.23 Solve the following system of in equations graphically :

$$12x + 12y \leq 840, \quad 3x + 6y \leq 300$$

$$8x + 4y \leq 480, \quad x \geq 0, y \geq 0$$

Q.24 If the coefficient of  $a^{r-1}, a^r$  and  $a^{r+1}$  in the expansion of

$$(1+a)^n \text{ are in A.P. prove that } n^2 - n(4r+1) + 4r^2 - 2 = 0.$$

Q.25 If  $S_1, S_2, S_3$  are the sum of first  $n$  natural numbers, their squares and their cubes, respectively, Show that

$$9S_2^2 = S_3(1+8S_1).$$

**OR**

If  $a, b, c$  are in GP and the equations  $ax^2 + 2bx + c = 0$  and  $dx^2 + 2ex + f = 0$  have a common root, then show that

$\frac{d}{a}, \frac{e}{b}, \frac{f}{c}$  are in A.P.

Q.26 (i) Evaluate  $\lim_{x \rightarrow 0} \frac{\tan x + 4 \tan 2x - 3 \tan 3x}{x^2 \tan x}$ .

(ii) Differentiate  $x \sin x$  from the first principle.....

**\*\* ALL THE BEST \*\***

Roll No. \_\_\_\_ Code No. 11/Mathematics/NLCS/46

## Annual Examination 2014 – 15

Time: 3:00 Hrs.

M. M. 100

General Instruction :-

- (i) All questions are compulsory.
- (ii) The question paper consists of 26 questions divided into three Sections A, B & C. Section – A comprises of 6 questions of **1 Mark** each. Section – B comprises of 13 questions of **4 Marks** each and Section – C comprises of 7 questions of **6 Marks** each.
- (iii) Use of calculator is not permitted.

### Section – A

Q.1 If  $A = \{1, 3, 5, 7, 11, 13, 15, 17\}$ ,  $B = \{2, 4, 6, \dots, 18\}$  and  $N$  is the universal set, then find  $A' \cup (A \cup B) \cap B'$ .

Q.2 If AM and GM of roots of a quadratic equation are 8 and 5 respectively, then obtain the quadratic equation.

Q.3 Find the eccentricity of the hyperbola whose latusrectum is 8 and conjugate axis is equal to half of the distance between the foci.

Q.4 Write the negation of the following statement “**All Mathematicians are men**”.

Q.5 Write the contra positive of the following statement ‘if a triangle is equilateral, then it is isosceles’.

Q.6 6 boys and 6 girls sit in a row randomly find the probability that all 6 girls sit together.

### Section – B

Q.7 (i) Let  $U$  be the set of all boys and girls in a school,  $G$  be the set of all girls in the school,  $B$  be the set of all boys in the school and  $S$  be the set of all students in the school who take swimming, some but not all students in the school take swimming draw a venn diagram showing one

of the possible interrelationship among sets  $\cup$ ,  $G$ ,  $B$  and  $S$  why swimming is important for a student.

(ii) Let  $n(\cup) = 700$ ,  $n(A) = 200$ ,  $n(B) = 300$  and  $n(A \cap B) = 100$  FIND  $n(A' \cap B')$ .

Q.8 If  $\tan(\alpha + \theta) = n \tan(\alpha - \theta)$  then show that

$$(n+1) \sin 2\theta = (n-1) \sin 2\alpha.$$

Q.9 Prove that :  $\tan 4\theta = \frac{4 \tan \theta (1 - \tan^2 \theta)}{1 - 6 \tan^2 \theta + \tan^4 \theta}$ .

Q.10 Solve the quadratic equation :  $2x^2 - (3 + 7i)x + (9i - 3) = 0$ .

**OR**

If  $\arg(z - 1) = \arg(z + 3i)$  then find  $x - 1 : y$ .

Q.11 Prove that :  $\cos 2\theta \cos \frac{\theta}{2} - \cos 3\theta \cos \frac{9\theta}{2} = \sin 5\theta \sin \frac{5\theta}{2}$ .

Q.12 Solve the inequality  $\frac{2x-3}{4} + 9 \geq 3 + \frac{4x}{3}$  and show the graph of the solution on number line.

Q.13 (i) If  $n + 2_{c_8} : n - 2_{p_4} = 57 : 16$  then find the value of  $n$ .

(ii) Find the number of combinations of 4 letters taken from the word "EXAMINATION".

Q.14 Find perpendicular distance from the origin of the line joining the points  $(\cos \theta, \sin \theta)$  &  $(\cos \phi, \sin \phi)$ .

Q.15 Find the equation of the circle which passes through the centre of the circle  $x^2 + y^2 + 8x + 10y - 7 = 0$  & is concentric with circle  $2x^2 + 2y^2 - 8x - 12y - 9 = 0$

Q.16 Find the equation of the set of the point P the sum of whose distance from A (4,0,0) and B (-4,0,0) is equal to 10.

Q.17 A card is drawn from a deck of 52 cards find the probability of getting a king or a heart or a red card.

Q.18 Mean and standard deviations of 100 observations were found to be 40 to 10 respectively. If at the time of calculation two observations were wrongly taken as 30 and 70 in place of 3 and 27 respectively then find the correct standard deviation.

Q.19 Find the mean deviation about median for the following data :

Class Interval	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55
$f$	5	6	12	14	26	12	16	09

**Section - C**

Q.20 (i) Find the range of  $f(x) = 1 + 3 \cos 2x$ ,  $x \in r$ ,

(ii) Find the domain and range of the function

$$f(x) = \frac{1}{\sqrt{x-5}}.$$

Q.21 Prove that :  $4 \sin A \sin(60 - A) \sin(60 + A) = \sin 3A$

Hence deduce that  $\sin 20^\circ \sin 40^\circ \sin 60^\circ \sin 80^\circ = \frac{3}{16}$ .

Q.22 By using principle of Mathematical Induction. Prove that  $n(n+1)(2n+1)$  is divisible by 6 for all  $n \in N$ .

**OR**

Prove the following by the principle of Mathematical Induction for all  $n \in N$

$$\frac{1}{1.4} + \frac{1}{4.7} + \frac{1}{7.10} + \dots + \frac{1}{(3n-2)(3n+1)} = \frac{n}{(3n+1)}.$$

Annual Examination 2014 – 15

Time: 3:00 Hrs.

M. M. 70

General Instruction:-

All questions are compulsory. Answer to questions carrying **1 mark** should not exceed **30** words each. Answer to questions carrying **2 marks** should not exceed **40-60** words each. Answer to questions carrying **3 marks** should not exceed **60-80** words each. Answer to questions carrying **5 marks** should not exceed **100-125** words each.

**PART - A**

- |      |                                                               |   |
|------|---------------------------------------------------------------|---|
| Q.1  | Explain the meaning of health.                                | 1 |
| Q.2  | List down any four components of positive life style.         | 1 |
| Q.3  | In which year and by when SAI established?                    | 1 |
| Q.4  | Give the aim of Physical Education.                           | 1 |
| Q.5  | How narcotics increase the performance?                       | 1 |
| Q.6  | What do you mean by WADA?                                     | 1 |
| Q.7  | What is abrasion?                                             | 1 |
| Q.8  | What are the types of somato classified by Ernest Kretschmer? | 1 |
| Q.9  | What do you understand by health indicator?                   | 2 |
| Q.10 | Explain Chacha Nehru Sports Award.                            | 2 |
| Q.11 | Discuss about All India Council of Sports.                    | 2 |
| Q.12 | Discuss about Indian Olympic Association (IOA).               | 2 |
| Q.13 | Discuss the ways to prevent diabetes.                         | 2 |
| Q.14 | Mention the tips for preventing Sports injuries.              | 3 |
| Q.15 | Define test, measurement and BMI.                             | 3 |

- |      |                                                                                                |   |
|------|------------------------------------------------------------------------------------------------|---|
| Q.16 | List down the Sports Awards in India and explain Dronacharaya Award.                           | 3 |
| Q.17 | Discuss the prevention and management of hypertension.                                         | 3 |
| Q.18 | Discuss the adolescence needs, problems and management steps.                                  | 5 |
| Q.19 | What do you mean by limbering down? Explain the importance of limbering.                       | 5 |
| Q.20 | What do you mean by skeleton system? Explain the function and classification of bones.         | 5 |
| Q.21 | What is biomechanics? Explain the importance of biomechanics in Physical Education and Sports. | 5 |

**PART - B**

- |      |                                                                                                                                                 |   |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------|---|
| Q.22 | Write about any two important tournament with their venues of your major games.                                                                 | 2 |
| Q.23 | Explain the importance of proper sports gear of your major game.                                                                                | 2 |
| Q.24 | Write about any six terminologies of our major game.                                                                                            | 3 |
| Q.25 | What are the common sports injuries of your game? Suggest preventive measures.                                                                  | 3 |
| Q.26 | Explain about SGRI and its organizational set-up.                                                                                               |   |
| Q.27 | Write the history of your game. Illustrate a field / court / table of your major game with specific reference to measurement and specification. | 5 |

\*\* ALL THE BEST \*\*

Q.20 Construct index number of price from the data given below by applying :- **2×3=6**

- (i) Laspeyre's Method (ii) Paasche's Method  
(iii) Fisher's Method

Commodity	Base year		Current Year	
	Price	Quantity	Price	Quantity
A	2	40	3	20
B	1.5	30	2.5	40
C	1	50	1.5	30
D	2.5	20	2	80

Q.21 Calculate coefficient of correlation between price and quantity demanded. **6**

Price (i)	5	10	15	20	25
Demand (kg.)	40	35	30	25	20

Q.22 Find out Inter quartile range, quartile deviation and coefficient of quartile deviation from the following data. **6**

Age	0-20	20-40	40-60	60-80	80-100
No. of Persons	4	10	16	20	15

Q.23 Keeping in view your locality, describe any four strategies of sustainable development. **6**

Q.24 Compare the demographic indicators of India with China and Pakistan. **6**

- Q.25 (i) Green Revolution experienced the success in two phases. Comment.  
(ii) How were the industries classified according to the Industrial Policy Resolution 1956? **3+3=6**

**ORAL** → **10**

**\*\* ALL THE BEST \*\***

Code. No. 11/Economics/NLCS/70

## Annual Examination 2014 – 15

Time: 3:00 Hrs.

M. M. 100

General instructions:

- (i) All the questions are compulsory.  
(ii) Marks for questions are indicated against each question.  
(iii) Questions carrying **1 Mark** are MCQ or very short answer type questions.  
(iv) Questions carrying **3 Marks** are short answer type. Answer should not normally exceed 60 words each.  
(v) Questions carrying **4 Marks** should be answer in not more 70 words.  
(vi) Questions carrying **5 Marks** should be answer not more 80-90 words.  
(vii) Questions carrying **6 Marks** should be answer not more than 100 words.

Q.1 Statistical data are used for knowing about the progress in the – **1**

- (a) techniques of production (b) volume of production  
(c) imports and exports (d) All of these

Q.2 ----- is used when the researcher has access to all the members. **1**

- (a) Telephonic interview (b) Personal interview  
(c) Indirect oral investigation (d) None of these

Q.3 In a frequency distribution, the class may be – **1**

- (a) singular or plural (b) subjective or objective  
(c) individual or discrete (d) inclusive or exclusive

Q.4 Which among the following is the cause of agricultural stagnation during the British colonial rule? **1**

- (a) Systems of land settlement (b) Limited public sector  
(c) Mass illiteracy (d) All of these

Q.5 At present, India, is having its ----- five year plan. **1**

- (a) Eleventh (b) Tenth (c) Twelfth (d) None of these

Q.6 The Government and policy makers use statistical data to formulate suitable policies of economic development. Illustrate with two examples. **3**

Q.7 'Today nearly every decision in business is made with the aid of statistical data and statistical methods'. Discuss **3**

Q.8 Present the following information in the form of a pie diagram. **3**

Sector	Primary	Secondary	Transport	Finance & Insurance	Community and social service
Share in %	<b>18.2</b>	<b>23</b>	<b>27.8</b>	<b>17.5</b>	<b>13.5</b>

Q.9 Construct a frequency polygon with histogram for the following data. **3**

Class Interval	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90
Frequency	4	6	7	14	16	14	8	6	5

Q.10 Deepak argues that in the era of privatization, there is no need for Government intervention in education & health sectors. How ever, his friend Raju argues that education & health care services create social benefit and therefore there is a need for Government intervention in education & health sectors. Decide with reasons. Who is right? **3**

Q.11 Bring out the differences between human capital and human development? **3**

Q.12 Enlist some problems faced by farmers during the initial year of organic farming. **3**

Q.13 You reside in a village. If you are asked to advice the village panchayat, what kinds of activities would you suggest for the improvement of your village which would also generate employment? **3**

Q.14 What problem are being faced by the power sector in India? **3**

Q.15 Following are the marks obtained by 100 students in Economics. Calculate the average marks by using Assume mean method (Take 35 as assume mean). **4**

Marks	0-10	10-20	20-30	30-40	40-50	50-60
No. of Students	5	10	25	30	20	10

Q.16 Calculate median of the following frequency distribution. **4**

C.I.	10-20	20-40	40-70	70-120	120-200
F.	4	10	26	8	2

Q.17 Calculate mean deviation and its coefficient using median. **4**

Marks	5	10	15	20	25
No. of Students	2	3	4	5	6

Q.18 Justify why is it necessary to synchronize traffic lights or use public transport instead of private transport and develop solar panels for household consumption. **5**

Q.19 Write a critical note on situation of farmers in your state. **5**



Roll No. \_\_\_\_\_

Code. No. 11/Biology/NLCS/18

## Annual Examination 2014 – 15

Time: 3:00 Hrs.

M. M. 70

General Instructions:

- (i) All questions are compulsory.
- (ii) The question paper consists of four sections A, B, C and D. Section–A is Q. No. 1 to 5 contains 5 questions of **1 mark** each. Section–B is Q. No. 6 to 10 of 5 questions of **2 marks** each. Section–C is Q. No. 11 to 22 of 12 questions of 3 marks each. Q. No. 23 is a value based Question and carry **4 marks** . Section–D is Q. No. 24 to 26 of 3 questions of **5 marks** each.
- (iii) Wherever necessary, the diagrams drawn should be neat and properly labelled.

### Section – A

- Q.1 What are mycoplasmas?
- Q.2 Name the title of the book published by Linnaeus?
- Q.3 Which is the chief pigment found in algae Rhodophyceae?
- Q.4 What is pith and where is it found?
- Q.5 What is the function of microbodies and where are they found?

### Section – B

- Q.6 Explain the structure of a Malpighian body using its well labeled diagram.
- Q.7 Define an active site and also mention its function.
- Q.8 What is a flagellum. Draw its well labeled diagram?
- Q.9 Comment about vision in cockroach. Also explain the structure of its eye.
- Q.10 What are pneumatophores and why are they important?

### Section – C

- Q.11 What are botanical gardens? Write their importance in context to study of classification. Also write the names of any two botanical gardens in the world.
- Q.12 Why are Deuteromycetes called fungi 'imperfecti' comment about their reproduction and mycelium type. Also give two examples of Deuteromycetes.
- Q.13 Explain the structure of a monocot seed and also explain various parts present in it.
- Q.14 Explain - (a) Tight junction (b) Adhering junctions  
(c) Gap junctions
- Q.15 When and how does RubisCO act as an oxygenase? Explain.
- Q.16 What do understand by respiratory quotient, describe it?
- Q.17 Describe the role of secretions form Alpha and Beta cells of Islets of Langerhans. Name the secretions.
- Q.18 Explain counter current Mechanism.
- Q.19 Explain the structure of human Eye by the help of a diagram.
- Q.20 How does ABA act antagonistically to auxins and gibberellins? Also describe any one of its functions in detail.
- Q.21 Describe the following terms.  
(i) Apocarpous (ii) Polydelphous  
(iii) Parietal placentation

Q.22 Give all details of Golgi apparatus along with its function.

- Q.23 (i) A person sleeping in a closed room with a lamp burning is found dead in the morning. Explain the reason behind this.**
- (ii) Explain a chronic disorder which occurs due to cigarette smoking.**

### Section – D

Q.24 Discuss the repeating pattern of contraction and relaxation of the heart.

OR

Discuss structure and function of Thyroid Gland. Describe the disorders associated with it.

### **OPEN TEXT BASED QUESTIONS**

- Q.25 What do you understand by 'Quantifying Evidences of sensitivity'. Explain it by any two evidences in detail.
- Q.26 What is meant by Environmental sanitation? How is it responsible for health of society and economic escalations. Explain by giving examples.

**\*\*ALL THE BEST \*\***

**Annual Examination 2014 – 15****Time: 3:00 Hrs.****M. M. 70**

General Instructions:-

*Attempt all questions*

- (i) Question No. 1 to 5 carry **One Mark** each,
- (ii) Question No. 6 to 10 carry **Two Marks** each,
- (iii) Question. No. 11 to 22 carry **Three Marks** each
- (iv) Question No. 23 Value Based carry **Four Marks**.
- (v) Question No. 24 to 26 carry Five Marks each.

**SECTION – A**

Q.1 What is common in the following species –



Q.2 Give the eg. Of one T-shaped molecule show its structure.

Q.3 Define normal boiling point and standard boiling point.

Write their values for water.

Q.4 Define common ion effect.

Q.5 Define green fuel.

**SECTION – B**Q.6 How much time would it take to distribute one Av. No. wheat grains. If  $10^{10}$  grains are distributed each sec.?

Q.7 What is Born – Haber cycle?

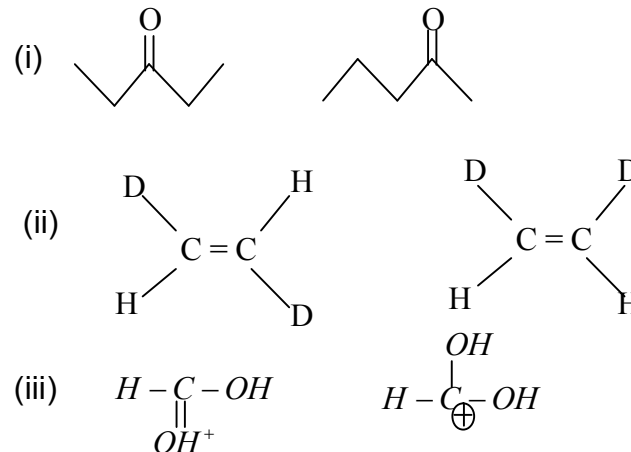
Q.8 Derive a formula for ionisation constant of weak acid?

Q.9 Suggest a list of the substances where carbon can exhibit oxidation states from  $-4$  to  $+4$  and Nitrogen from  $-3$  to  $+5$ .Q.10 Describe the shapes of  $\text{BF}_3$  and  $\text{BH}_4^-$ . Assign the hybridization of boron in these species.

### SECTION – C

- Q.11 50.0 kg. of  $N_2(g)$  and 10.0 kg. of  $H_2(g)$  are mixed to produce  $NH_3(g)$ . Calculate the  $NH_3(g)$  formed. Identify the limiting reagent in the production of  $NH_3$  in this situation.
- Q.12 Explain the line spectrum of Hydrogen.
- Q.13 What do you mean by – (i) Transuranium Elements (ii) Lanthanoid contraction (iii) Shielding effect
- Q.14 Write a short note on all the Bond parameters.
- Q.15 Explain the physical significance of vander waals parameters.
- Q.16 The combustion of benzene (1mole) takes place at 298k and 1atm after combustion,  $CO_2(g)$  &  $H_2O(l)$  are produced and 3267.0 KJ of heat is liberated, calculate the standard enthalpy of formation  $\Delta F_h$  of benzene. Standard Enthalpy of formation of  $CO_2(g)$  and  $H_2O(l)$  are – 393.5KJ mol<sup>-1</sup> & –285.83 KJ mol<sup>-1</sup>.
- Q.17 Write a note on – (i) Buffer solution (ii) Solubility product (iii) Ionic product
- Q.18 Balance the following Reactions by half reaction method –  
 $As_2S_3 + NO_3^- + H^+ \rightarrow AsO_4^{3-} + S(s) + NO$ .
- Q.19 Classify Hydrides & Explain them.
- Q.20 Give three points which allow diagonal relationship between beryllium & Aluminum.
- Q.21 Write short notes on silicates & zeolites.

- Q.22 What is the relationship between the members of following pairs of structure? Are they structural & geometrical isomers or resonance contributions.



- Q.23 A compound X when reacted with chlorine in the presence of light forms gamma-xylene but when treated with chlorine in dark. It forms another compound Y. Identify X & Y.

### SECTION – D

- Q.24 The wavelength range of the visible spectrum extends from violet (400nm) to red (750nm) Express these wavelengths in frequencies ( $H_3$ ). (1nm=10<sup>-9</sup>m)
- OR**
- Calculate (a) wave number & (b) frequency of yellow radiation having wavelength 5800Å.
- Q.25 Write the names of methods for  $N_2$  estimation. Explain any one of them.

**OR**

Write a brief note on 3-D representation of organic molecule.

- Q.26 Write a brief note on environmental pollution including chemical reactions.

**OR**

Explain the formation of photochemical smog & its effects.

\*\* ALL THE BEST \*\*

**Annual Examination 2014 – 15**

Time: 3:00 Hrs.

General instruction:

Question 1 to 5 carrying **one mark** each, 6 to 10 carrying **two marks** each, Question 11 to 22 carrying **three marks** each, and question 23 carrying **four marks** Question 24 to 26 carrying **five marks** each.

**SECTION – A**

- Q.1 Define Hook's Law?  
 Q.2 Two bodies at different temperature  $T_1$  and  $T_2$  if brought in thermal contact do not necessarily settle to the mean temperature  $(T_1+T_2)/2$   
 Q.3 Define Boyle's law in terms of density.  
 Q.4 What are isochronous vibrations?  
 Q.5 Name the wave which do not required material medium to propagate?

**SECTION – B**

- Q.6 If a drop of water falls on a very hot iron, it does not evaporate for a long time. Why?  
 Q.7 If displacement of a body  $x=(200 \pm 5)\text{m}$  and time taken by it  $t=(20 \pm 0.2)$  sec. Then find the percentage error in the calculation of velocity?  
 Q.8 A body is projected so that it has maximum horizontal range R. What is the maximum height reached during the flight?  
 Q.9 When is the exchange of energy maximum during an elastic collision?  
 Q.10 A constant force on a body of mass 3kg change its speed form 2m/s to 3.5 m/s in 25sec. The direction of the motion of the body remains unchanged. What is the magnitude and direction of the force?

- Q.25 (i) What do you understand by degree of freedom find out degree of freedom for mono atomic, diatomic, tri atomic and poly atomic gases.  
 (ii) Define efficiency of carnot heat engine and explain why heat enging can not be possible.

OR

- (i) Discuss energy distribution of black body radiation spectrum. Explain Wein's displacement law of radiation and Stefan's law of heat radiation.  
 (ii) State Newton's law of cooling. Deduce the relation –  
 $\text{Log}_e (T - T_0) = -kt + C$  and  $T - T_0 = ce^{-kt}$  and plot the graph in both case.  
 Here T= temperature of body,  $T_0$ = temperature of environment

- Q.26 Define types of collision with example. Find Final velocity of two bodies moving with initial velocities  $U_1$  &  $U_2$  where  $U_1 > U_2$ . Here collision is perfectly Elastic collition.

OR

- (v) State and prove Bernouli's Theorem for ideal liquid.  
 (vi) Define venture meter and find its expression.

**\*\* ALL THE BEST \*\***

- Q.11 Define centre of mass. Find centre of mass of three particle system of equal mass, when they are arranged in non-linearly?
- Q.12 Define acceleration due to gravity. Find effective acceleration due to gravity at depth  $d$  from surface of earth.
- Q.13 A structural steel rod has a radius of 10mm and a length of 1m. A 100kN force stretches it along its length. Calculate (a) stress (b) elongation and (c) strain on the rod. Young's modulus of structural steel is  $2 \times 10^{11} \text{N/m}^2$ ?
- Q.14 State Torricelli's theorem and find its expression.
- Q.15 Derive the major formula for ideal gas.
- Q.16 Find specific heat capacity of water.
- Q.17 Explain why an air bubble in water rises from bottom to top and grows in size.
- Q.18 Show that in case of a closed organ pipe only odd harmonics are formed?
- Q.19 Why is simple harmonic motion of a pendulum called simple harmonic. Derive an expression for the time period of a simple pendulum?
- Q.20 To find out the total energy of a particle in simple harmonic motion. Show graphically the variation of kinetic energy and potential energy with time of a particle in S.H.M.?
- Q.21 State the second law of thermodynamics and write an example also?
- Q.22 A refrigerator is to maintain eatables kept inside at  $9^\circ\text{C}$ . If room temperature is  $36^\circ\text{C}$  calculate the coefficient of performance?

- Q.23 A poor man was going through a seashore during the noon time. He was very tired. Unaware of the gravitational force he decided to take some rest and he laid down under the thin shadow of a coconut tree. Soon he went into the sleep. Suddenly there was a storm and the wind started blowing at the rate of 100km/hour. Many coconuts got detached from the branches of the tree. Old man was badly hurt. In the evening, Ravi and his friends while playing reached there and found a man badly hurt. Ravi took him to his house and gave him first aid and some food to eat. Old man thanked Ravi and went away.**
- (i) **What value do you see in the behavior of Ravi for old man?**
- (ii) **What is gravitational force?**
- (iii) **How can the high speed of wind be exploited for useful purposes?**
- Q.24 State Doppler's effect in sound. Obtain an expression for apparent frequency.
- (i) When source movable (ii) When source stationary
- (iii) When source and observer both movable.
- OR
- (i) What are beats? How are they produced? Show that beat frequency is equal to  $n_1 - n_2$ .
- (ii) Identify the type of wave motion :
- (a) Wave produced by a motorboat sailing in water.
- (b) Ultrasonic waves in air produced by a vibrating quartz crystal.

Q.28 Explain the various functions of promoter. **6**

OR

Explain the concept of business commencement and explain the document required for it.

**ORAL → 10**

**\*\* ALL THE BEST \*\***

**Code. No. 11/Business Studies/NLCS/70**  
**Annual Examination 2014 – 15**

**Time: 3:00 Hrs.**

**M. M. 100**

**General Instruction :-**

Question No. 1 to 10 carry **One Mark** each. Question No. 11 to 15 carry **Three Marks** each. Question No. 16 to 19 carry **Four Marks** each. Question No. 20 to 24 carry **Five Marks** each. Question No. 25 to 28 carry **Six Marks** each.

- Q.1 Which certificate is necessary to prove that goods are produced in the home country itself? **1**
- Q.2 What does TIPS deal with? **1**
- Q.3 Who are Itinerants? **1**
- Q.4 Name the Institution which was set up in 1955 to promote the growth of SSI? **1**
- Q.5 In terms of tax benefits, which of the two preference share of debentures will be preferred by the organization? **1**
- Q.6 What is the Relation between Ethics and moral values? **1**
- Q.7 Give any two Reasons supporting social responsibility? **1**
- Q.8 Name the electronic currency that exists only in cyberspace. **1**
- Q.9 At what time the interest must be present in case of life Insurance? **1**
- Q.10 Name the organization formed by passing a special Act. **1**
- Q.11 What is the base for differentiating the economic and non-economic activities? **3**

- Q.12 A company got its certificate of Incorporation on 24<sup>th</sup> August 2010 and on the certificate the date is written as 22<sup>nd</sup> August 2010. Company allots some shares on 23<sup>rd</sup> August. Is the allotment valid or not? **3**
- Q.13 State any three situations where in Government Company is the most suitable form of Public Sector organization. **3**
- Q.14 Why are banks called debtors as well as creditors? **3**
- Q.15 What preferential rights are enjoyed by preference share holders? Explain. **3**
- Q.16 "Like an individual, business enterprise should also be loyal citizen of the state". Discuss. **4**
- Q.17 Explain the resources required for successful implementation of e-business. **4**
- Q.18 Do you think that small scale business can survive in a competitive market? Give reasons to support your answer. **4**
- Q.19 Shivam Garments Plans to enter in foreign trade. State the factors, which they must consider that will help them to make the choice of mode of entry in to International Business. **4**
- Q.20 According to partnership Act, 1932, it is not compulsory for a partnership firm to get itself registered, then why do partners prefer to get the firm registered? **5**
- Q.21 Explain the differences between private sector and Public Sector on the basis of following points - **5**
- (i) Capital (ii) Accountable (iii) Formation  
(iv) Performance evaluation (v) Management

- Q.22 Explain the following terms (Any Two) :- **5**
- (i) NEFT (National Electronic Fund Transfer)  
(ii) Pay order  
(iii) RTGS (Real Time Gross Settlement)
- Q.23 A company required funds to meet its working capital state the sources available along with their features. (Any Two) **2½+2½=5**
- Q.24 What is invisible trade? Discuss salient aspects of India's trade in services. **5**
- Q.25 Name the retail organization where same type of commodities are sold at uniform prices located all over the country. What are features of such organizations? **6**
- OR
- "Whole seller is a handle in distribution chain". Do you agree?
- Q.26 Name any three special financial institutions and state their objectives. **2+2+2=6**
- OR
- As a source of finance, retained profit is better than other sources. Do you agree with this view? Give reasons to support your answer. **6**
- Q.27 "Zara men Pvt. Ltd." Has received an order for export of readymade shirts. What steps must be followed by the company to meet the export order? **6**
- OR
- Briefly explain following :- **2+2+2=6**
- (i) WTO (ii) IMF (iii) Word Bank