

Code. No. 11/Physical Education/NLCS/60
Half Yearly Examination 2015 – 16

Time: 3:00 Hrs.

M. M. 70

Part - A

Q.1	What award was given to Ancient Olympic winner?	1
Q.2	Who banned the Ancient Olympic games?	1
Q.3	What do you mean by “ Dharana ” as an element of Yoga?	1
Q.4	Explain the term ‘Gene doping’.	1
Q.5	When is Dope test done on Athletes by WADA?	1
Q.6	What are Stimulants?	1
Q.7	Enlist the activities for Teenager.	1
Q.8	Write a short note on BMI.	1
Q.9	Define test and measurement.	1
Q.10	Define cardiac output.	1
Q.11	State oxygen dept.	1
Q.12	Explain the components of positive lifestyle.	3
Q.13	What do you mean by physical fitness? Mention the components of physical fitness.	3
Q.14	Discuss the Health threats in modern lifestyle.	3
Q.15	Discuss the functions of IOC and IOA.	3
Q.16	Explain the meaning of Yoga and give the importance of Yoga in modern time.	3
Q.17	Explain the concept of sports Environment.	3
Q.18	Give the importance of test and measurement.	3
Q.19	Explain second wind, its causes and symptoms.	3
Q.20	Explain the general working of skeletal system. Give the detail of joints types with diagram.	5
Q.21	Explain the Sheldon’s Somato types.	5
Q.22	Define sport environment, explain the need of sports environment.	5
Q.23	Define doping. What are the substances used in doping.	5
Q.24	Discuss “Yoga as heritage of India”.	5
Q.25	Highlight of main features of modern Olympic Games.	5
Q.26	Define physical Education give the aim and objectives of Physical Education.	5

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Code. No. 11/Biology/NLCS/15

Half Yearly Examination 2015 – 16

Time: 3:00 Hrs.

M. M. 70

Instructions :-

Section – A comprises of Q.1 to 5 with **One Mark** each. Section – B carries Q.6 to 10 with **Two Marks** each. Q.11 to 22 has **Three Marks** each. Q. 23 is a value based question and carries **Four Marks**. Q.24, 25 and 26 are long answer type where in an internal choice has been provided each carries **Five Marks**.

Section – A

- Q.1 Define a phylloclade.
Q.2 State the function of bidder's canal in frog.
Q.3 Name two organelles, which are exclusively found in plant cells (and not in animal cells)
Q.4 Expand RuBP and NADP.
Q.5 Define respiratory quotient.

Section - B

- Q.6 How are trichomes and root hair different from one another? Write a note on each.
Q.7 What is cytokinesis and how does it take place in plants and animals?
Q.8 Draw a neat and labeled diagrams of (a) Euglena (b) Equisetum.
Q.9 Tabulate the main characteristics of green algae.
Q.10 What are the peculiar features that you find in parasitic Platyhelminthes?

Section – C

- Q.11 What are the following and where do you find them in animal body?
(a) Chondrocytes (b) Axons (c) Ciliated Epithelium
Q.12 Differentiate between heart wood & sapwood.
Q.13 Differentiate between C₃ and C₄ plants.
Q.14 What is imbibition? List two conditions that are necessary for imbibition to occur.
Q.15 Draw the flow chart of Glycolysis.
Q.16 What are homologous chromosomes and what happens to them during meiosis?
Q.17 Write a detailed note on DNA.

- Q.18 Diagrammatically show Nitrogen cycle. Also state the role of calcium in plants.
Q.19 Explain the role of ABA in detail.
Q.20 Give in brief the classification of enzymes. Also give examples.
Q.21 Differentiate between Algae & Bryophytes.
Q.22 Illustrate the salient features of class Aves.

Section – D

- Q.23 Manish was going to school after stopping of rain and saw that some students were teasing the earthworm considering them as baby snake. Manish stopped these students for their act and allowed the earthworm to move freely on its own.**
(i) **What values does Manish's act promote?**
(ii) **Why did Manish stop the students to tease the earthworm?**
(iii) **Why is the population of earthworm declining?**
(iv) **What is vermicomposting?**

Section – E

- Q.24 Describe the various events during meiosis in a cell.
OR
Describe the factors affecting Enzyme action. Describe the details of enzyme inhibition.
Q.25 Define carbon fixation in plants. Explain all phases of Calvin cycle.
OR
Who proposed the law of limiting factors? State the Law. Briefly describe various factors affecting photosynthesis.
Q.26 Differentiate between – (i) Tracheids and vessels. (ii) Protoxylem and Metaxylem
OR
What is placentation? Describe briefly various types of placentations.

Half Yearly Examination 2015 – 16**Time: 3:00 Hrs.****M. M. 100****General Instructions :-**

- (i) All questions are compulsory.
- (ii) Marks for questions are indicated against each.
- (iii) Question No. 1 to 5 and 16 to 20 carrying One Mark.
- (iv) Question No. 6 to 9 and 21 to 24 carrying Three Marks. (60 words)
- (v) Question No. 10 to 13 and 25 to 28 carrying Four Marks.(70 words)
- (vi) Question No. 14 to 15 and 29 to 30 carrying Six Marks. (100 words)
- (vii) Answer should be brief and to the point.

Section – A

- | | | |
|------|--|---|
| Q.1 | British introduced the railways in India in – | 1 |
| | (a) 1985 (b) 1885 (c) 1855 (d) 1850 | |
| Q.2 | Define Land ceiling. | 1 |
| Q.3 | The Indian constitution and five year plans state social justice as the primary objective of the developmental strategies of the Govt. | 1 |
| | (a) True (b) False | |
| Q.4 | Which among the following work as an apex body to co-ordinate the activities of all institution involved in the rural financing – | 1 |
| | (a) NABARD (b) RRB (c) RBI (d) IDBI | |
| Q.5 | “ Operation flood ” define. | 1 |
| Q.6 | What was the two fold motive behind the systematic deindustrialisation effected by British in pre-independence India? | 3 |
| Q.7 | What do you mean by quantitative and qualitative restrictions? | 3 |
| Q.8 | “Human resources development has necessarily to assigned a key role in any development strategy”. Justify the statement. | 3 |
| Q.9 | Define self employment. Give example. | 3 |
| Q.10 | Write short Notes (Any Two) : | 4 |
| | (i) Goals of five year plan (ii) Green Revolution | |
| | (iii) Industrial policy Resolution 1956 | |
| Q.11 | What factors contribute to human capital formation? | 4 |
| Q.12 | What is organic forming and what are it benefits? | 4 |
| Q.13 | There has been rapid growth in the gross domestic product, but without simultaneous increase in employment opportunities? Justify the statement. | 4 |

Q.14 You are residing in a village. If you are asked to advise the village panchayat what kind of activities you suggest for the generation of employment. 6

Q.15 What are the causes of poverty in India? Explain. 6

OR

Discuss economic reforms in India in the light of social justice and welfare.

Section – B

Q.16 Define statistics as “plural sense”. 1

Q.17 What is sampling error of the estimate? 1

Q.18 The frequency distribution of two variable is know as - 1

- (a) Univariate Distribution (b) Bivariate Distribution
(c) Multivariate (d) None of above

Q.19 Mode is calculated by : 1

- (a) $Z = 3m - 2\bar{x}$ (b) $Z = 3\bar{x} - 2m$
(c) $Z = 2m - 3\bar{x}$ (d) Any of these

Q.20 Data represented through a histogram can help in finding graphically the – 1

- (a) mean (b) mode (c) median (d) Both a and c

Q.21 Write three important functions of statistic. 3

Q.22 Draw a Bar diagram from the following data – 3

Year	2002	2003	2004	2005
Export (Rs. in Crore)	70	80	85	8
Import (Rs. in Crore)	73	72	74	85

Q.23 Find mean – 3

Marks	0-4	4-8	8-12	12-16
No. of students	4	8	2	1

Q.24 If mode in a tolerably asymmetrical distribution is 12 and median is 16, what would be the most probable mean? 3

Q.25 What is a questionnaire? Give a specimen of a questionnaire. 4

OR

What is secondary data? What are different sources of secondary data.

Q.26 Convert the following into less than and more than series. 4

Marks	0-10	10-20	20-30	30-40	40-50
No. of students	4	8	15	20	13

Q.27 The mean marks of the students of combined sections A and B are 38. There are 60 and 40 students A and B respectively. If mean marks of students in section A are 40, Find out the mean marks of students in section B. 4

Q.28 Find rang and coefficient of range of the following : 4

S.No.	1	2	3	4	5	6
Marks	12	15	35	25	17	36

Q.29 Calculate standard deviation of the following by assumed mean method. 6

Size	4	5	6	7	8	9	10
Frequency	6	12	15	28	20	14	5

Q.30 Determine median from the following data (use graph paper) : 6

Marks	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
Frequency	7	10	20	13	17	10	14	9

OR

Construct a pie diagram data about % expenditure on construction of house in Delhi.

Item	Expenditure
Cabour	25%
Bricks	15%
Cement	20%
Steel	15%
Timber	10%
Supervision	15%

ORAL →

- Q.9 Explain : (Any Two with example)
- (i) Extern (ii) Formal arguments
 - (iii) Static variable

4

Code. No. 11/Computer Sc/NLCS/38

Half Yearly Examination 2015 – 16

Time: 3:00 Hrs.

M. M. 70

Q.1(A) Find the output of the following program :-

```
# include <iostream.h>
struct stock
{ int Ino, oty;};
void buy (STOCK & I, int TO=2)
{ Loty + = TO; }
void main ( )
{ STOCK I [2]= {{101,50}, {103,20}};
  Buy (I[1],5);
  Cout<<I[1].Ino<< “;”<<I[1].Oty<<endl,
  Buy(I[0],10);
  Cout<<I[0].Ino<< “;”I(0).Oty<<endl;
  Buy(I[1],1);
  Cout<<I[1].Ino<< “;”<<I(1).Oty<<endl;
```

3

(B) Find the output of the following program :

```
#include <iostream.n>
#include<type.n>
Void decode (char Text) [ ] )
{ for (int (=0;Text [C]; (++
{ char CH=(Text [C]>= ‘a’ &&
Text [C] <= ‘Z’) ? Text [C] – 32 : Text [C];
If (CH< ‘M’ && CH> = ‘H’)
Text [C] = ‘#’;
else if (CH = = ‘A’ ; ; (H= = ‘E’;;(H= = ‘U’)
Text [C] = ‘$’;
Else
Text [C] = topper (CH);} }
void main ( )
{ Char SMS [ ] = “US2 INDIA”;
Decode (SMS);
Cout <<SMS<<endl; }
```

3

(C) Study the following and select the possible output (S) from (i) to

(iv)? What will be the minimum and the maximum value assigned to the variable sequence,
When the value of C=2?

```
# include <isotream.n>
#include <stdlib.n>
void main ( )
{int sequence, select [4]= {25,90,30,45};
Randomize ( );
for (int C=0; C<4; C++)
{Sequence = random (4 -C);
Cout <<select (sequence) << “ @”;
```

- (i) 45 @ 90 @ 30 @ 25 @
- (ii) 90 @ 25 @ 90 @ 25 @
- (iii) 30 @ 30 @ 25 @ 25 @
- (iv) 30 @ 30 @ 90 @ 25 @

3

(D) Find output for the following C++ code :

```
# include <iostream.n>
#include <(type.n>
void encrypt (char T [ ] )
{ for (int i=0; T [i] != ‘10’ ; t+=2)
<if (T [i] == ‘A’ ;; T [i] == ‘E’)
T [i] = ‘#’ ;
else
if (islower (T[i])
T [i]=topper (T[i]);
else
T[i]= ‘@’ ; }
void main ( )
< char Text [ ] = “I am SixTEen YeAR Old”;
```

3

(E) Find errors from the following C++ code :

- (i) while (A=1)
 - { cout << “Amit”;
 - i++
 - cin<< i ;

- (ii) cout < XI CLASS; 2
- struct abc
 - { int num1, num 2 ; };
 - void main ()
 - { Cin >> num | >> num2;
 - Cout<< num|>>num2 2
- (iii) void main } }
 - { INT i=1;
 - Const int J=1;
 - J ++ ;
 - Cout<<J+1;i+5; } 2

Q.2 What is the difference between call by value and call by reference explain with a suitable C++ code. $1\frac{1}{2}+1\frac{1}{2}=3$

Q.3 Define with example :

- (i) Default argument function.
- (ii) Cardinality
- (iii) Alternate key
- (iv) Set difference operation $1\frac{1}{2}\times 4=6$

Q.4 Consider the following tables ACTIVITY and COACH and answer (b) and (c) parts of this question :

Table : ACTIVITY

A code	Activity Name	Stadium	Participants Num	Prize Money	Scheduled
1001	Pday100×4	Star Annex	16	10000	23 Jan. 04
1002	High jump	Star Annex	10	12000	12 Dec.03
1003	Shot put	Super Power	12	8000	14 Feb.04
1005	Long jump	Star Annex	12	9000	1 Jan. 04
1008	Discuss throw	Super Power	10	15000	19 Mar. 04

Table : COACH

P code	Name	A code
1	Ahmed Hussain	1001
2	Ravinder	10087
3	Janila	1001
4	Naaz	1003

(b) Write SQL commands for the following :-

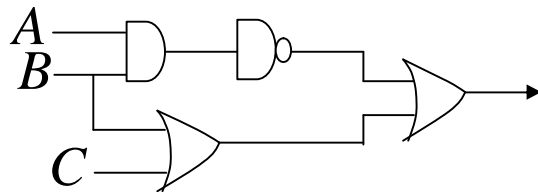
- (i) To display the names of all activities with their Acodes in descending order.
- (ii) To display sum of prize Money for the Activities played on each of the stadium separately.
- (iii) To display the content of all activities for which schedule date is earlier than 01-01-2004 in ascending order of participants num. 4

(c) Give the output of the following SQL queries :

- (i) `SELECT COUNT (DISTINCT participants Num) FROM ACTIVITY;`
- (ii) `SELECT MAX (SCHEDULE Date), Min (Schedule Date) From ACTIVITY;`
- (iii) `SELCT Name Activity Name FROM ACTIVITY A, COACH C where A Acode=C. Acode AND Participants Num=10;`
- (iv) `SELECT DISTINCT participants Num FROM ACTIVITY; 2`

Q.5 Define Logic gates? Explain all gates with logic symbol and truth table. 4

Q.6 Interpret the following logic circuit as a Boolean expression : 2



Q.7 Obtain SOP from the given truth table :- 1

A	B	C	F
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	0

Q.8 Simplify following Boolean function using k Map : 3+3=6

(i) $F (a,b,c,d) = \Sigma (1,2,6,7,8,9,11,13,14,15)$

(ii) $F (a,b,c,d) = \Sigma (3,4,5,8,9,10,12,13,14)$

Q.9 State ans verify De Morgan's laws algebraically. 2

Q.10 Draw circuit Diagram for the expression :- 2

$A A'BC + AB'C + AB$

Q.11 WAP for the followings 2

- (i) To copy one array to another.2

Q.1 Calculate : 1×4=4
 (i) (237)8 + (357)8
 (ii) (FF2)16 – (AB)16
 (iii) 1110111 + 1011011
 (iv) (37) – (25) → binary subtraction.

Q.2 Give difference : 8
 (i) Entry control loop V/s exit control loop (with suitable C++code)
 (ii) Array V/s structure (with C++code)
 (iii) UDF V/s program
 (iv) RAM V/s ROM

Q.3 Explain : 1½×4=6
 (i) keywords (ii) Identifiers (iii) Time sharing OS
 (iv) Dynamic RAM

Q.4 Why we use header files in our programs explain with a suitable example. 2

Q.5 Can we have more than one main () in our program. Explain with reason. 2

Q.6 Write programs for the following :-
 (i) WAP to print all even elements of an array and add 2 in all odd nos. 2
 (ii) WAP to find and count all digits and vowels from a string. 2
 (iii) WAP to find a particular word in a string. 2
 (iv) WAF to check whether a given no. in prime or not. 3
 (v) WAP to take a record of a student and calculate the total marks and percentage of it. Use (structure) 3
 (vi) WAP to display the following pattern: 3

```

5
 4 5
 3 4 5
 2 3 4 5
1 2 3 4 5
```

(vii) WAP to display the following pattern: 3
 1
 2 3

4 5 6
7 8 9 10

(viii) WAP to calculate area of a circle. 2
 (ix) WAF to calculate area of a rectangle. 3
 (x) WAP to calculate amount payable in an electricity bill as per following :

Units consumed	Rs. / unit
<= 100	1
> 100 but <= 300	2
> 300 but <= 500	3
> 500	4

If the amt. payable is more then 1000 then 10% tax is also charged in the bill. 3

(xi) WAP to print sum of columns in 2D array. 3

Q.7 Find errors : 1½

(i) Addition ()
 { Int a, b
 a = 7
 b = 8
 c = a + b
 return c }
 (ii) void main () 1½
 { int a, float b, char c;
 A= 7 ; b = 2 . 5 , c = 3 ;
 Cout >> a + b + c ;
 Return (a);
 }
 (iii) Structure S1 2
 { int I code;
 Char I name [10];
 }
 Void main ()
 { sin >> structure. I code >> S1 I name;
 Cout << I code << I name ;
 } ;
 (iv) For (int I = 1, J = 1, i <= J ; i ++; J - -) ; 1
 Cout << “ I Love India”;
 Cout >> “NLCS”;

	(v)	<pre> void main () { int J; Structure S1 { roll, name }; S1 S; S name = "Priyanka"; S. roll = 1 ; }; </pre>	2
Q.8	Find outputs of the followings :		1
	(i)	<pre> for (int i 1 ; i < 3 : i ++) cout << "My mother is the greatest"; </pre>	
	(ii)	<pre> # include < iostream.h> struct play { char Arr [20] ; int n ; }; void main () (play P = { "Magic", 500 } ; P.Arr [4] = 'Q' ; P.Arr[2] = 'L' ; P n + = 50; cout <<P Arr << P. n << endl; Play R = P; R. n - = 120 cout << R.n << endl; } </pre>	3
	(iii)	<pre> void abc (int, int); void main () { int a, b; a= 2 ; b = 3 ; cout << a + b ; abc (a, b); cout<<a+b; } void abc (int a, int b) { a = a + 7 ; b = b + 10 ; cout << a + b; } </pre>	3

General Instructions :

- (a) All questions are compulsory.
- (b) Question No. **1 to 5** are very short answer questions and carry **One mark** each.
- (c) Question No. **6 to 10** are short answer questions and carry **Two marks** each.
- (d) Question No. **11 to 22** are also short answer questions and carry **Three marks** each.
- (e) Question No. **23** may be value based carrying **Four marks**.
- (f) Question No. **24 to 26** long answer questions and carry **Five marks** each.
- (g) Use log tables if necessary. Use of calculator is not allowed.

Code. No. 11/Physics/NLCS/40

Half Yearly Examination 2015 – 16

Time: 3:00 Hrs.

M. M. 70

- Q.1 What shape does a liquid take when it weights nothing?
- Q.2 When is the exchange of energy maximum during an elastic collision?
- Q.3 Name two factors which determine whether a planet would have atmosphere or not?
- Q.4 Write an example of zero vector.
- Q.5 Name a substance that contracts on heating?
- Q.6 A body is moved along a closed loop. Is the work done in moving the body necessarily zero. If not, state the condition under which work done over a closed path is always zero.
- Q.7 Why machine parts Jammed in winter?
- Q.8 A satellite revolves close to the surface of a planet. How is its orbital velocity related with escape velocity of that planet? Explain.
- Q.9 Two sides of a rectangle are (10.5 ± 0.2) cm. and (5.2 ± 0.1) cm. calculate its perimeter with error limits.
- Q.10 A constant retarding force of 50N is applied to a body of mss 20kg moving initially with a speed of 15m/s. How long does the body take to stop?
- Q.11 Why modulus of elasticity of most of the materials decrease with the rise of temperature?

- Q.12 “In one dimension elastic collision relative velocity of approach before collision is equal to relative velocity of separation after collision”. Justify the statements?
- Q.13 State all Kepler Laws of planetary motion?
- Q.14 State and prove mayer’s relation?
- Q.15 State and prove Newton’s Law of cooling and plot the graph also.
- Q.16 Find expression for centre of mass of two particle system.
- Q.17 On an open ground, a motorist follow a track that turns to his left by an angle of 60° after every 500m. Starting from a given turn specify the displacement of the motorist at the third, sixth and eight turn. Compare the magnitude of the displacement with the total path length covered by the motorist in earth case?
- Q.18 Define magnus effect with suitable example.
- Q.19 Find out the relation between linear expansion, areal expansion & volume expansion (α, β & γ).
- Q.20 Explain why do we prefer cylindrical bullets for a firearm.
- Q.21 Find moment of inertia of a rod of length ℓ about axis of rotation?
- Q.22 State and prove work energy theorem for variable force.
- Q.23 One day a student was returning home from school. On the way, he observes drunkard taking few steps forward and few steps backward. The student counts that the drunkard is taking 5 steps forward and 3 step backward, followed again by 5 steps forward and 3 step backward. The student measures that the each step of drunkard is 1 m and he required one second to complete one step. The student advises the drunkard not to move ahead and warns him that he may fall into a pit which is 13m away.**
- (i) What values are possessed by the student?
- (ii) How long the drunkard will take to fall into the pit?
- (iii) Plot X-t graph of the motion of the drunkard.
- Q.24 Prove that for stream line flow of liquid, the sum of all energy is always conserved.

OR

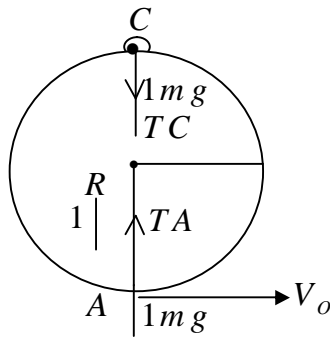
(i) Define venture meter and fine expression for rate of flow of liquid.

(ii) State and explain all mode of heat transper.

Q.25 Define satellite. Find expression for orbital velocity height of satellite, time period of satellite, Binding energy and total energy of satellite?

OR

A bob of mass m is suspended by a light string of length ℓ . It is imparted a horizontal velocity v_o at the lowest point A such that it completes a semi circular trajectory in the vertical plane with the string becoming slanck only on reaching the topmost points C. Shown in figure obtain expression for v_o, v_B and v_C .



Q.26 (i) Use calculations method to find all kinetics equation of motion.

(ii) Find excess pressure inside a liquid drop.

OR

(i) To find out liquid level in capillary tube when dip in a liquid which wet the side of tube?

(ii) If two body have mass then prove & find the expression that after collision they interchange their velocities.

Half Yearly Examination 2015 – 16

Time: 3:00 Hrs.

M.M. 100

- Q.1 Which function of commerce help in removing the Hindrance of time? 1
- Q.2 Which type of business organization promote social justice and mutual Cooperation? 1
- Q.3 Name the basic document prepared in partnership firm. 1
- Q.4 State Bank of India is the example of which type of enterprises? 1
- Q.5 What is “RTGS”? 1
- Q.6 What is digital cash? 1
- Q.7 In which source of finance company enjoy higher credit worthiness? 1
- Q.8 What is “NSIC”? 1
- Q.9 state the different types of economic Activities? 3
- Q.10 Give any two points’ of difference between Ethics and law’s? $1\frac{1}{2}+1\frac{1}{2}=3$
- Q.11 State any two ways and means to restrict e-commerce crime? $1\frac{1}{2}+1\frac{1}{2}=3$
- Q.12 What do you mean by “PPP” modal? 3
- Q.13 How would you differentiate between an ancillary unit and tiny unit? 3
- Q.14 What is difference between Internal and External source of finance? 3
- Q.15 What is corporate Governance? With example. 4
- Q.16 Explain Endowment life Assurance policy? With example. 4
- Q.17 State any four situation where in Government company is the most suitable form of Public Sector organization. 4
- Q.18 A sole proprietor wants to expand his business. As his Advisor guide him for the most suitable option for expansion? 4
- Q.19 “SSI improves economic condition in villages”? Are you agree with this statement, give reasons in support of your answer? 4
- Q.20 Explain the differences between shares and debentures? 5
- Q.21 Why is these more scope for small scale industries in developing countries like India? Explain with example. 5
- Q.22 Explain the differences between life, fire and marine insurance? 5

Q.23 “Like an Individual, business firm should also be a loyal citizen of the state.” Discuss. 5

Q.24 Do you think that small – scale business can survive in a competitive market? Give reasons to support your answer? 6

OR

State any four forms of support to SSI by the government. With example. $1\frac{1}{2}\times 4=6$

Q.25 The director of company have decided estimated cost of Rs. ten crores. State the sources of finance available along with their merits? 6

OR

A company requires funds to meet its working capital. State the sources available along with their features?

Q.26 Build up Arguments for and against social responsibilities? 6

OR

Discuss in detail the forces, which are responsible for increasing concern of business enterprises towards social responsibility?

Q.27 Amar gets his medical Insurance done but hides the fact that he is heart patient. Within two weeks of medical insurance, he suffers from a massive heart attack. Is he entitled to claim against insurance? 6

OR

It is a public enterprise established under Indian company act and conducts business in competition with companies in private sector.

- (i) Identify the type of enterprise.
- (ii) What is the minimum Investment Government has to make in such companies and who are is the shareholder in the company?
- (iii) Discuss any three advantages and limitations of such companies. $1+2+3=6$

ORAL →

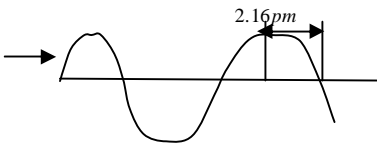
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❁Best of Luck❁

Half Yearly Examination 2015 – 16**Time: 3:00 Hrs.****M. M. 70**

General Instructions :-

- (i) All questions are compulsory.
- (ii) Question No. 1 to 5 are carrying One Mark each.
- (iii) Question No. 6 to 10 are carrying Two Marks each.
- (iv) Question No. 11 to 22 are carrying Three Marks each.
- (v) Question No. 23 is carrying Four Marks.
- (vi) Question No. 24 to 26 are carrying Five Marks each.

- Q.1 Aqueous Li^+ ion has lowest mobility why? 1
- Q.2 Write action of heat on Boric acid. 1
- Q.3 Write the IUPAC name of $(\text{CH}_3)_3\text{N}$. 1
- Q.4 What is the main constituent of LPG? 1
- Q.5 In the combustion of methane what is the limiting agent & why? 1
- Q.6 A hypothetical electromagnetic wave find out the wavelength of the radiation. 2
- 
- Q.7 Show with a chemical reaction with H_2O , Na_2O is a basic & Cl_2O_7 is an acidic oxide? 2
- Q.8 Write MO electronic configuration of a di atomic molecule having a bond order of three. 2
- Q.9 Write real gas equation? 2
- Q.10 Write Hess's law. 2
- Q.11 What is inorganic benzene? Why it is so called? How you will get it from Di Borane? 3

- Q.12 Identify electrophile centre : (i) $CH_3 - CH = 0$
(ii) $CH_3 - CN$ (iii) $CH_3 - I$ 3
- Q.13 An Alkene 'A' on ozonolysis gives a mixture of ethanol & pentan-3-one. Write the structure & IUPAC name of 'A'. 3
- Q.14 (i) How many significant figures should be present in the answer

$$= \frac{2.5 \times 1.25 \times 3.5}{2.01}$$
 3
(ii) What will be mass of atom of C-12 in gm?
- Q.15 How many nodes are present in 3p orbital? Represent diagrammatically. 3
- Q.16 What is the difference between the term electron gain enthalpy & electronegativity? 3
- Q.17 Define Resonance energy. Write its two characteristics. 3
- Q.18 State Graham's law. 3
- Q.19 Define Gibbs free energy with suitable expression. 3
- Q.20 Explain the variation in size in gp 13 elements. 3
- Q.21 Discuss the chemistry of Lassaigne's test. 3
- Q.22 Write down the product of ozonolysis of 1,2-dimethylbenzene (o-xylene). How does the result support Kekule's structure of benzene? 3
- Q.23 Chemistry has played two important roles in everyday life. Beginning from morning when we use toothpaste to brush our teeth & throughout the day we use a large amount of material which has been provided to us by R & D (Research & Development) carried out in the field of chemistry. 4**
- (i) Why should we use iodized salt?

- (ii) Why should our toothpaste contain fluoride?
(iii) What are the relative advantages of using soaps & detergents?
(iv) Why was earlier leaded petrol now a days unleaded (Pb) petrol is used?

Q.24 The increasing order of reactivity among gp 1 elements is $Li < Na < K < Rb < Cs$ whereas that of gp 17 is $F > Cl > Br > I$. Explain. 5

OR

Which of the following pairs of elements would have a more negative electron gain enthalpy?

- (i) O or F (ii) F or Cl

Q.25 Explain viscosity with unit derive a formula of η for it. 5

OR

Explain surface tension write a formula its unit in SI & CGS system.

Q.26 Why Wurtz-Fittig reaction is not preferred for preparation of alkenes containing odd no. of carbon atoms? Illustrate your answer by taking one example? 5

OR

- (i) Starting with ethyne how will you prepare propanal.
(ii) Prepare propyne to propanone.

Half Yearly Examination 2015 – 16**Time: 3:00 Hrs.****M. M. 100**

General Instruction :

- (i) All Questions are compulsory.
- (ii) The Questions paper consists of 26 questions divided into three Sections A, B and C.
- (iii) Section A comprises of 6 questions of One Mark each.
- (iv) Section B comprises of 13 questions of Four Marks each.
- (v) Section C comprises of 7 questions of Six Marks each.
- (vi) Use of calculator is not permitted. You may ask for logarithmic false if required.

Section – A

- Q.1 Two finite sets have m and n elements. The number of sub sets of the first is 112 more than that of the second set. Find the values of m & n .
- Q.2 Find the range of $f(x) = z - 3x, x \in R, x > 0$.
- Q.3 Find the value of $\tan(-945)^\circ$.
- Q.4 Show that $i^n + i^{n+1} + i^{n+2} + i^{n+3} = 0, \forall n \in N$.
- Q.5 The sum of three consecutive integers must be not more than 12. What are the integers?
- Q.6 If the sum of n terms of an A.P. is given by $S_n = 3n + 2n^2$ then find the common difference of the A.P.

Section – B

- Q.7 In a town of 840 persons, 450 persons read Hindi 300 read English and 200 read both Newspapers then find the number of persons who read neither of the Newspapers.
- Q.8 Find the range of $f(x) = 1 + 3\cos 2x$.

ORFind the domain of function $f(x) = \frac{x^2 + 2x + 1}{x^2 - 8x + 12}$

- Q.9 Prove that $\cos 5A = 16\cos^5 A - 20\cos^3 A + 5\cos A$.

ORProve that $\cos 2x \frac{\cos x}{2} - \cos 3x \frac{\cos 9x}{2} = \sin 5x \frac{\sin 5x}{2}$

Q.10 Prove by the PMI that $x^{2n} - y^{2n}$ is divisible by $(x + y)$, for all $n \in N$.

Q.11 Find the Modulus and argument of $z = \frac{(1+i)^{13}}{(1-i)^7}$.

OR

Evaluate $\left[i^{18} + \left(\frac{1}{i} \right)^{25} \right]^{13}$

Q.12 Reduce : $\left(\frac{1}{1-4i} - \frac{2}{1+i} \right) \left(\frac{3-4i}{5+i} \right)$ to the standard form.

Q.13 A company manufactures cassettes and its cost equation for a week is $c = 300 + 1.5x$ and its revenue equation is $R = 2x$ where x is the number of cassettes sold in a week. How many cassettes must be sold for a company to realize a profit.

Q.14 If ${}^{56}P_{r+6} : {}^{54}P_{r+3} = 30800 : L$ then find the value of $r = ?$

OR

Find n if ${}^{n-1}P_3 : {}^n P_4 = 1 : 9$

Q.15 If the coefficient of second, third and fourth term in the expansion of $(1+x)^{2x}$ are in A.P. then show that $2n^2 - 9n = -7$.

Q.16 Find the value of n , if the ratio of 5th term from the beginning to the 5th terms from the end in the expansion of $\left(\sqrt[4]{2} + \frac{1}{\sqrt[4]{3}} \right)^n$ is $\sqrt{6} : 1$.

Q.17 If the first and n^{th} terms of a G.P. are a and b respectively and p is the product of n terms, then prove that $p^2 = (ab)^n$.

Q.18 If p is the length of perpendicular from the origin on a line $\frac{x}{a} + \frac{y}{b} = 1$ and a^2, p^2, b^2 are in A.P. then show that $a^4 + b^4 = 0$.

Q.19 Find perpendicular distance from the origin of the line joining the points $(\cos \theta, \sin \theta)$ and $(\cos \phi, \sin \phi)$.

Section – C

Q.20 In a group of 100 people, 65 like to play cricket, 40 like to play Tennis and 55 like to play Volleyball. All of them like to play at least one of the three games. If 25 like to play both Cricket and Tennis, 24

like to play both Tennis and Volleyball and 22 like to play both Cricket and Volleyball then.

- (i) How many like to play all the three games?
- (ii) How many like to play Cricket only?
- (iii) How many like to play Tennis only?

Q.21 Solve the equation : $2(\sin^4 x + \cos^4 x) = 1$.

Q.22 Prove that : $\sin^4 \frac{\pi}{8} + \sin^4 \frac{3\pi}{8} + \sin^4 \frac{5\pi}{8} + \sin^4 \frac{7\pi}{8} = \frac{3}{2}$.

OR

If p, q, r are in a G.P. and the equations $px^2 + 2qx + r = 0$ and

$dx^2 + 2ex + f = 0$ have a common root then show that $\frac{d}{p}, \frac{e}{q}, \frac{f}{r}$ are in

G.P.

Q.23 A solution of 8% boric acid is to be diluted by adding a , 2% boric acid solution to it. Then 4% but less than 6% boric acid. If we have 640 ℓ of the 8% solution how many liters of the 2% solution will have to be added?

OR

Solve the inequalities graphically $4x + 3y \leq 60$, $y \geq 2x$, $x \geq 3$, $x, y \geq 0$

Q.24 In how many ways can the letters of the word “PERMUTATIONS” be arranged of the :

- (i) Vowels are all together.
- (ii) There are always 4 letters between P and S.
- (iii) Words start with ‘P’ and ends with ‘S’

Q.25 Find the value of n so that $\frac{a^{n+1} + 6^{n+1}}{a^n + b^n}$ may be the geometric mean between a and b .

Q.26 Show that : $\frac{1 \cdot 2^2 + 2 \cdot 3^2 + \dots + n(n+1)^2}{1^2 \cdot 2 + 2^2 \cdot 3 + \dots + n^2(n+1)} = \frac{3n+5}{3n+1}$.

*Half Yearly Examination 2015 – 16***Time: 3:00 Hrs.****M. M. 100**

General Instructions:-

SECTION –A READING	20
SECTION –B WRITING & GRAMMAR	30
SECTION –C LITERATURE & LONG READING	30
SECTION –D LISTENING SKILLS & SPEAKING SKILLS	20

SECTION –A (READING)**Q1. Read the passage given below and answer the following questions:**

1. The New Year is a time for resolutions. Mentally, at least, most of us could compile formidable lists of do's, and don'ts. The same old favourites recur year in year out with monotonous regularity. We resolve to get up earlier each morning, eat less, find more time to play with the children, do a thousand and one jobs about the house, be nice to people we don't like, drive carefully and take the dog for a walk every day. Past experience has taught us that certain accomplishments are beyond attainment. If we remain deep-rooted liars, it is only because we have so often experienced the frustration that results from failure.
2. Most of us fail in our efforts at self-improvement because our schemes are too ambitious and we never have time to carry them out. We also make the fundamental error of announcing our resolution to everybody so that we look even more foolish when we slip back into our bad old ways. Aware of these pitfalls, this year I attempted to keep my resolutions to myself. I limited myself to two modest ambitions; to do physical exercise every morning and to read more every evening. An all-night party on New Year's Eve provided me with a good excuse for not carrying out either of this new resolution on the first day of the year, but on the second, I applied myself assiduously to the task.
3. The daily exercise lasted only eleven minutes and I proposed to do them early in the morning before anyone had got up. The Self-discipline required to drag myself out of bed eleven minutes earlier than usual was considerable. Nevertheless, I managed to creep down into the living-room for two days before anyone found me out. After jumping about on the carpet and twisting the human frame into uncomfortable positions, I sat down at the breakfast table in an exhausted condition. It was this that betrayed me. The next morning the whole family trooped in to watch the performance. That was really upsetting but I fended off the taunts and jibes of the family good humouredly and soon everybody got used to the idea. However, my enthusiasm waned, the time I spent at exercises gradually diminished. Little by little the eleven minutes fell to zero. By 10th January, I was back to where I had started from. I argued that if I spent less time exhausting myself at exercises in the morning I would keep my mind fresh for reading when got home from work. Resisting the hypnotizing effect to television, I sat in my room for a few evenings with my eyes glued to a book. One night, however, feeling cold and lonely, I went downstairs and sat in front of the television pretending to read. That proved to be my undoing, for I soon got back to the old bad habit of dozing off in front of the screen. I still haven't given up my resolution to do more reading. In fact, I have just bought a book entitled 'How to read a Thousand words a Minute'. Perhaps it will solve my problem, but I just haven't has time to read it.

A.1.1 A Choose the correct options:

1 X 6 = 6

(a) Most of us fail in our efforts at self improvement, because :

- | | |
|---|---|
| (i) Our schemes are too ambitious | (ii) We never have time to carry them out |
| (iii) We announce our resolution to everybody | (iv) All of these |

- (b) The writer thought of keeping his mind fresh, by :
- (i) Watching TV (ii) Exercising for eleven minutes
 (iii) Reading (iv) Finding more time to play with children
- (c) The word which similar in meaning to “decrease” ;
- (i) Formidable (ii) Monotonous (iii) Attainment (iv) Diminish
- (d) According to the writer, past experience of resolutions has taught us:
- (i) Frustration results from failure (ii) certain accomplishments are beyond attainment
 (iii) New year is a time for resolutions (iv) failures are a part of life
- (e) It is a basic mistake to announce our resolutions because:
- (i) we have no excuse to revert back to our earlier life (ii) we can't be nice to people we don't like
 (iii) we look more foolish when we slip back (iv) none of these
- (f) The writer did not carry out his resolutions on New Year's Day because:
- (i) he had attended an all night party (ii) he was glued to the TV
 (iii) the exercise was only for eleven minutes (iv) everyone was awake and watching him.

A.1.2 Answer the following questions:

1 × 6 = 6

- (a) What do people normally resolve to do every New Year?
 (b) What most of us could compile?
 (c) Which book did the writer buy and why?
 (d) What are the two modest ambitions of the writer?
 (e) What the self-discipline required?
 (f) ‘The next morning the whole family trooped in to watch the performance.’ What performance is the writer talking about?

Q.2 Read the passage given below and answer the following questions:

Good health is the soundness of body, mind and soul. It is that condition in which the body and mind duly discharge their functions. Good health helps everyone to be creative and work for the welfare of society. He has to be, therefore free from diseases, or if he suffers from a disease, he needs treatment not only for that particular disease but for the whole body, mind and soul. In other words, a doctor has to have a sound approach to the patient.

In the days of specialization, doctors cure a patient only for this immediate disease, treating it in isolation. Such an approach goes against the old proverb that "prevention is better than cure." Dr. Hegde, provides insight into the overall causes of simple and serious diseases and described the methods of preventing them without having to take medicine but by exercising, self-control on food consumption, smoking and intake of alcoholic drinks, He also advocates regular yoga exercise and meditation to keep fit but at the same time warns against over-indulgence.

Hegde stresses the importance of laughter because laughter induces secretion of good catecholamine's which are hormones produced by the adrenal gland; they can be both beneficial and harmful; They are harmful while a person is angry, but beneficial if he laughs. For health living. "Laughter proves to be a great boon", Hegde says.

In these days of hectic life, full of stress, strain and emotions, everyone needs to lead a relaxed life. The best form of relaxation, according the Hegde, is sound sleep. ‘Restful sleep at night will recharge our batteries for the following day's fruitful endeavors." he says. There is no use lying on bed and tossing without sleep. Under those circumstances it is better to read or engage oneself in some light mental activity

which is useful. But never seek refuge in alcoholic drinks or pills for inducing sleep as these are not refreshing for an individual. For a normal human being, eight hours of sleep a day is sufficient to keep him free from stress. More than nine to 10 hours of sleep a day would produce increased muscle protein loss in the body and might even shorten one's life.

Society must be sympathetic to drug addicts, understand their problems and give help to them by motivating and keeping them busy. Alcoholic anonymous may help addicts kick their habit of drug abuse and excessive drinking. Hegde claims that cigarette smoking causes more premature deaths than all the other 'Killers' put together-AIDS, cocaine, heroin, alcohol, fire, automobile accidents, homicide and suicide. Ninety percent of cancer victims are heavy smokers.

The author stresses on the right type of diet and daily exercise for a healthy living. He has also talked of the dangers of over-exercising in these days of fitness mania.

- A.2.1 On the basis of your reading of the above passage make notes on it using heading and sub-heading. Use recognizable abbreviations, wherever necessary. **5**
- A.2.2 Write a summary of the above passage based on your notes. **3**

SECTION –B (WRITING & GRAMMAR)

- Q.3 You are to write an article on “physical education in schools” for your magazine. The teacher has given the following notes to help you write it. Using the information given below, write that article in about 200 words.

Physical education necessary for all round development – priority in school curriculum – inadequate facilities and no incentives to sports – healthy mind in healthy body- teaches team work and discipline – via media of national unity and cooperation – need of the hour.

OR

You are Praveen/Prabha. As the secretary of science club of your school write a notice informing students about an inter school science exhibition and encouraging them to participate in it. **4**

- Q.4 As the head boy of the school, You are concerned about the craze for fast food in the younger generation. You wish to tell your school mates about the hazards of junk food, write your speech on this topic to be delivered in the morning assembly.

OR

Draft a poster on “Save Water”. **6**

- Q.5 Mr. Kamal Agarwal is the sports instructor in MPS School, Meerut. The principal asks him to place an order for buying sticks, tennis rackets, cricket kits and necessary sport accessories required. Mr. Agarwal decides to place an order with M/s Chhabra Sports equipments, New Delhi. Write a letter placing orders for the same. **10**

- Q.6 Read the following passage and locate the incorrect word. Write the correct word and underline the same. Write the answers in your answer sheet against the correct blank number. $\frac{1}{2} \times 8 = 4$

Life was not as it seems to be.	e.g. was is ;
It is full of up and downs.	(a) _____
The grass always look greener on the other side.	(b) _____
We have an habit of grumblng.	(c) _____
We are ever satisfied.	(d) _____
We make us live miserable,	(e) _____
By expect too much from everyone.	(f) _____
That is what we face disappointment.	(g) _____
So never expect nothing and be happy.	(h) _____

- Q.7 Below is set of instructions for washing clothes. Imagine that you have completed the procedure. Complete the following paragraph reporting what you did. $\frac{1}{2} \times 8 = 4$
- A- Pour water in the washing machine up to the marked level.
 B- Add sufficient detergent powder to give foam.
 C- Put in the fine cloths first and switch on the machine.
 D- Switch off the machine after five minutes.

Water was poured in the washing machine up to the marked level, sufficient powder (A)..... to give rich foam. The fine cloths (B) and the machine (C)..... after five minutes the washing machine (D).....

- Q.8 Rearrange the words to make a meaningful sentences:- $1 \times 2 = 2$
- (a) Report/tomorrow/shall/he/for/duty.
 (b) Lay down/my life/I will/my mother land/for/of/the sake.

SECTION –C (LITERATURE & LONG READING)

- Q.9 Read the extract and answer the questions: $1 \times 3 = 3$
- And who art thou? said I to the soft falling shower,
 Which, strange to tell, gave me an answer.
 As here translated
 I am the poem of the earth, said though voice of the rain.
- (a) Who are the two persons involved in the conversations?
 (b) What is 'strange to tell'?
 (c) What does the rain call itself?

- Q.10 Answer any three of the questions given below: $3 \times 3 = 9$
- (a) How can over fishing and decimation of forests prove harmful?
 (b) The narrator's grandmother looked like "the winter landscape in the mountains", comment.
 (c) Explain the title, "We are not afraid to die – if we can all be together." What lesson does it teach?
 (d) How was the narrator convinced that she had made no mistake and had reached the write address?

- Q.11 Answer the following question in 120 – 150 words:- $1 \times 6 = 6$
- (a) What is the problem confronted by Mrs. Pearson? Who helps her solve this problem and how ?

OR

- (b) Why was Ranga's home coming a great event ? What was the reaction for the people when they saw him?

- Q.12 How does lord Centerville warn Mr. Otis about the presence of the ghost in the Canterville Chase which Mr. Otis wanted to buy? $1 \times 6 = 6$

OR

How does the ghost want Virginia to help him to reach the garden of death to have a sound less sleep.

- Q.13 Give a character sketch of Mr. Otis? $1 \times 6 = 6$
- OR**
- How can you say that "The Canterville ghost" is an inverted ghost story with horror genre? $1 \times 6 = 6$

SECTION –D (LISTENING SKILLS & SPEAKING SKILLS) 20

Half Yearly Examination 2015 – 16**Time: 3:00 Hrs.****M. M. 100**

- Q.1 Write any two difference between trade discount and cash discount. 2
- Q.2 What do you mean by petty cash book 2
- Q.3 What do you mean by Ledger? Explain any two advantage of Ledger. 2
- Q.4 Write any three difference between profit and loss account & balance sheet. 3
- Q.5 Prepare opening entry from following balances :- 3

Cash a/c	42000	Bills receivable	25000
Bank overdraft	15000	Closing stock	18000
Debtors	58000	Capital	100000
Creditors	32000	Loan from Karan	5000
Bills payable	18000	Goodwill	7000

- Q.6 Explain parties of Bills of exchange. 3
- Q.7 Write any three difference between SLM & WDV method of depreciation 3
- Q.8 Explain types of two way error by example. 4
- Q.9 On 1st Jan. 2012 a firm bought a machine for ₹ 135000 and spent ₹ 9000 on its installation and ₹ 6000 on its carriage. Estimated life of the machine 10 years & estimated scrap value of machine ₹ 30000. Find the amount of Depreciation and Rate of depreciation of machine ? 4
- Q.10 Calculate due date for following Bills (additional information given below the question). 4

	Date of Bill	duration
(a)	28 th Dec., 2007	2 Months
(b)	23 rd Nov., 2008	2 Months
(c)	30 th July, 2010	60 days
(d)	12 th June, 2009	60 days

Emergency holiday – 1st Oct., 2010.Already declared public holiday- 14th August 2009.

- Q.11 Define following words- 4
- (a) Entity (b) Profit (c) Gain (d) Drawings
- Q.12 Give any example of transaction for followings 4
- (a) Increase in assets & increase in liability
- (b) Decrease in assets & decrease in liability
- (c) Nothing effect on liabilities and capital
- (d) Decrease in liabilities & Increase in capital

- Q.13 Following transactions are of M/s. Vinod Kumar & Sons for the month of April, 2014. Prepare their Purchases Book:

April 7 Purchased from M/s. Gaurav Sood & sons on Credit:
100 Zodiac Shirts @ 2,300 each
50 Reid & Taylors Trousers @ ₹ 4,200 each
Trade Discount @ 10%

April 13 Purchased a Typewriter for office use from M/s. Bhagat Singh & Sons for ₹ 4,000.

April 27 Purchased on credit from M/s. Raj & sons:
100 Peter England Shirts @ 1,800 each
50 Overcoats @ ₹ 4,500 each
Trade Discount @ 10%

- Q.14 Prepare Journal entries for following transactions 6
- (1) Goods purchased from Rakesh ₹ 80000. (trade dis. 10%, cash dis. 5%) 50% amount paid in cash.
- (2) Goods sold to Vikas ₹ 100000. (trade discount -20%, VAT-5%)
- (3) Goods loss by fire ₹ 20000. Insurance company accepted claim of ₹ 16000.

- Q.15 on 30th June, 2015 bank column of the cash book showed balance of ₹ 12000 but the pass book showed different balance due to following reasons— 6
- (1) Cheque paid in to the bank ₹ 8000 but out of these ₹ 6500 credited by bankers.
 - (2) The receipts column of cash book undercast by ₹ 200
 - (3) A customer deposited ₹ 3000 directly in to the bank but not entered in the cash book.
 - (4) Cheque of ₹ 9200 were issued out of which ₹ 2200 were not presented for payments.
 - (5) Pass book shows a credit ₹ 330 for interest.

- Q.16 Enter the following transactions in Cash Book with Bank column for January 2013- 6

Date	Transactions
1	cash in hand ₹ 200 and at bank ₹ 1800
2	Received cash ₹ 800 from gopal and half amount deposited in the bank.
7	Cash sales ₹ 600
10	Paid salary by cheque ₹ 800
11	Repairs of typewriters ₹ 300
16	paid ₹ 600 to modern company. Half in cash and half by cheque.
20	Cash withdrawal from bank ₹ 200 and paid packing charges ₹ 30
25	Sold goods for cash ₹ 2800 and half amount deposited in to the bank.
29	Cash purchase ₹ 800 trade discount 5%

- Q.17 Prepare rectify entries for following errors 6

1. Goods sold to Ramanujan ₹ 7900 but debited to Ramnath A/c ₹ 9000
2. Cash received from Sachin ₹ 5200 (this amount written off as a bad debts in previous year) credited to Sachin A/c ₹ 2500
3. Goods sold to Dines ₹ 9400 but recorded in purchase book ₹ 9000.

- Q.18 Prepare a machine account for four years from following transactions 8

Jan 1st 2010 Purchase machine 1st ₹ 200000
 July 1st 2011 Purchase machine 2nd ₹ 250000
 March 31st 2012 Sold 1st machine at ₹ 125000 & purchase another machine ₹ 300000
 June 30th 2013 Sold 50% part of 2nd machine at ₹ 11000
 Depreciation charged on machines @ 10% per annum. Closing date for accounting 31st December each year.

- Q.19 P sold goods of ₹ 5000 to Q. on 1st Jan. 2010 and draws a bill on the same day for three months. Q accepts it and returns it to P, who discounts it on the same date with his bank at 6% P.A. The bill is dishonored on the due date and the noting charges were paid by bank ₹ 50 on 4th April 2010 Q accepts a bill at four months for the amount due to P together with interest at 12% per annum. On the due date of new bill, Q become in solve only ₹ 3500 received from Q. Pass journal entries to record these transactions in the book of P. 8

- Q.20 Prepare financial statements from the following Trial Balance on 31st March 2014 10

Debit Balances	Amount	Credit Balances	Amount
Furniture and fitting	640	Capital	12890
Taxes and insurance	1250	Bills payable	200
Motor vehicle	6250	Sundry creditors	2500
General charges	782	Sales	15450
Building	7590	Bank overdraft	2850
Salaries	3300	Purchase return	125
Bad debts	125	Commission	175
Debtors	3800		
Opening stock	3460		
Purchases	5575		
Sales return	200		
Advertisement	450		
Interest	118		
Cash in hand	650		
Total	34190	Total	34190

ORAL →
