

VT-Mar-09-1(i)
Con. 6-09.

F & B com
Environmental studies

Apr 2009

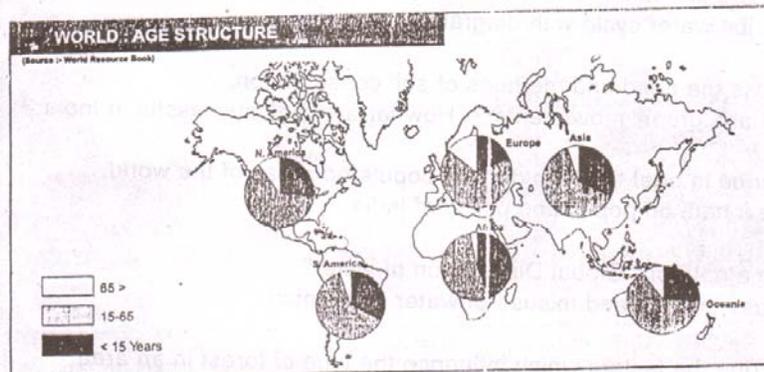
VN-5348

(3 Hours)

[Total Marks : 100

- N.B. : (1) Question Nos. 1, 2 & 3 are compulsory. Attempt any four questions from the rest.
(2) Figures to the right indicate full marks.
(3) Draw maps and diagrams wherever necessary.

1. (a) Study the Thematic map of the **WORLD** provided to you and answer the following questions :- 5
- What is the theme of the map ?
 - Name the cartographic techniques used in the map
 - Which continent has highest percentage of population of (Less than) < 15 years ?
 - What is the percentage of population with (Less than) < 15 years in N. America ?
 - What is the percentage of population (more than) > 65 years in Europe ?



- (b) Mark and name the following in the outline map of **MUMBAI**, provided to you :- 5
- An Island in Thane Creek
 - A solid waste dumping area
 - An area having Kharland
 - A bird sanctuary
 - Northern most creek.

OR

- (b) Mark and name the following in the outline map of **KONKAN**, provided to you :- 5
- A hill station in Sindhudurg district
 - River Vaitarna
 - An earthquake prone area
 - District head quarter of Sindhudurg district
 - A highly polluted creek of Konkan.

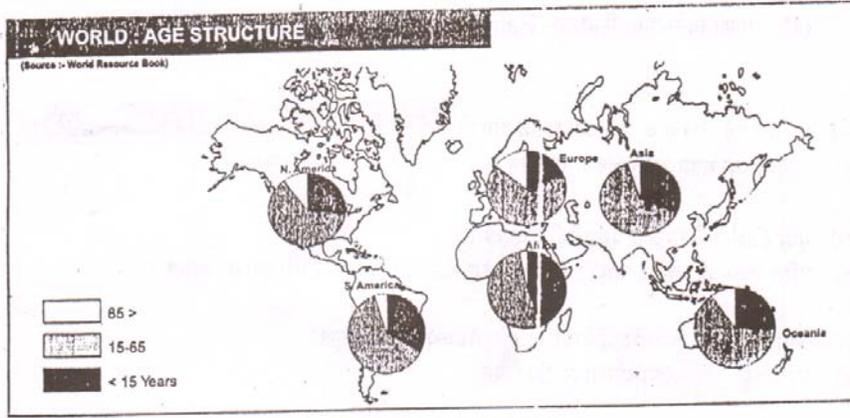
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2. Give reasons (any three) :- 15
- (a) Bio-diversity must be preserved
 - (b) Fossils fuels have their own demerits
 - (c) Man is a significant element in environment
 - (d) Forests are ecologically important to man
 - (e) Global food supplies has increased over time.
3. Write short notes (any three) :- 15
- (a) Eco-tourism
 - (b) Non-conventional sources of energy
 - (c) Sea-food
 - (d) Forest products
 - (e) Rain harvesting.
4. (a) What are the abiotic and biotic components of environment ? 8
 (b) Describe water cycle with diagram. 7
5. (a) Discuss the need and methods of soil conservation. 8
 (b) What are 'green' movements ? How far are they successful in India ? 7
6. (a) Describe in brief the high density populated areas of the world. 8
 (b) Write a note on population policy of India. 7
7. (a) Write a note on "Global Distribution of water". 8
 (b) Discuss the use and misuse of water in Mumbai. 7
8. (a) Describe the factors which influence the type of forest in an area. 8
 (b) Discuss various techniques for soil conservation. 7
9. (a) Examine the factors responsible for hunger in the world. 8
 (b) What are the major food crops ? Explain in brief. 7
10. (a) Discuss the factors favourable for the production of hydro-electricity. 8
 (b) Describe the reasons for less consumption of energy in underdeveloped countries of the world. 7
11. (a) Identify the tourist potentials in India. 8
 (b) Explain the role of tourism in the development of the economy. 7

(मराठी रूपांतर)

- सूचना : (१) प्रश्न क्रमांक १, २, व ३ अनिवार्य आहेत. उर्वरीत प्रश्नांपैकी कोणतेही चार प्रश्न सोडवा.
 (२) उजवीकडील अंक प्रश्नांचे गुण दर्शवितात.
 (३) आवश्यक त्या ठिकाणी नकाशे व आकृत्या काढा.

१. (अ) तुम्हास दिलेला जगाचा नकाशा अभ्यास करून खालील प्रश्नांची उत्तरे लिहा :-
- (१) नकाशाचा विषय काय आहे ?
 - (२) नकाशाचा विषय दाखविण्यासाठी कोणत्या तंत्राचा वापर केला आहे ?
 - (३) १५ वर्षाखालील मुलांचे प्रतिशत प्रमाण कोणत्या खंडात जास्त आहे ?
 - (४) उत्तर अमेरिकेत १५ वर्षाखालील लोकांसंख्येचे प्रतिशत प्रमाण किती आहे ?
 - (५) युरोप खंडात ६५ वर्षावरील लोकांसंख्येचे प्रतिशत प्रमाण काय आहे ?



- (ब) मुंबईच्या नकाशात खालील गोष्टी दाखवून त्यांची नावे लिहा :-
- (१) ठाणे खाडीतील एक बेट
 - (२) घन कचरा टाकण्याचे क्षेत्र
 - (३) खार जमीन क्षेत्र
 - (४) पक्षी अभयारण्य
 - (५) उत्तरेकडील एक खाडी.

किंवा

- (ब) कोकणच्या नकाशात खालील गोष्टी दाखवून त्यांची नावे लिहा :-
- (१) सिंधुदूर्ग जिल्ह्यातील थंड हवेचे ठिकाण
 - (२) वैतरणा नदी
 - (३) भूकंप प्रवण क्षेत्र
 - (४) सिंधुदूर्ग जिल्ह्यातील जिल्ह्याचे मुख्य ठिकाण
 - (५) कोकणातील एक प्रदुशित खाडी.

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२. कारणे द्या (कोणत्याही तीन) :-

- जैविक विविधतेचे संवर्धन झालेच पाहिजे
- जीवाश्म इंधनाचे स्वतःचे असे अवगुण आहेत
- मानव पर्यावरणातील महत्त्वपूर्ण घटक आहे.
- पर्यावरणाच्या दृष्टीने वने मानवाला महत्त्वपूर्ण आहेत
- जागतिक पातळीवर अत्राचा पुरवठा वाढलेला आहे.

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३. टिपा लिहा (कोणत्याही तीन) :-

- पर्यावरणीय पर्यटन
- अपारंपारिक उर्जा स्रोत
- सागरी अन्न
- वन उत्पादने
- पाणी साठविण्याची पध्दत (Rain Harvesting)

१५

४. (अ) पर्यावरणाचे जैविक व अजैविक घटक कोणते ?
(ब) आकृतीच्या सहाय्याने जलचक्राचे वर्णन करा.

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५. (अ) मृदा संवर्धनाची गरज व पध्दतीची चर्चा करा.
(ब) हरित चळवळी म्हणजे काय ? भारतात त्या किती प्रमाणात यशस्वी झाल्या आहेत ?

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६. (अ) जगातील जास्त लोकसंख्या घनता क्षेत्रांचे थोडक्यात वर्णन करा.
(ब) भारताच्या लोकसंख्या धोरणावर टीप लिहा.

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७. (अ) जागतिक पातळीवरील जलवितरणावर टीप लिहा.
(ब) मुंबई शहरातील पाण्याचा वापर व गैरवापर यावर चर्चा करा.

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८. (अ) एखाद्या क्षेत्रातील वनांच्या प्रकारांवर परिणाम करणाऱ्या घटकांचे वर्णन करा.
(ब) मृदासंवर्धनाच्या विविध पध्दतीची चर्चा करा.

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९. (अ) जागतिक पातळीवरील उपासमारीस कारणीभूत असलेल्या घटकांचे परिक्षण करा.
(ब) मुख्य धान्य पिके कोणती ? थोडक्यात स्पष्ट करा.

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१०. (अ) जलविद्युत निर्मितीसाठी अनकुल घटकांची चर्चा करा.
(ब) अविकसित देशांमध्ये ऊर्जावापर कमी असण्याची कारणांचे वर्णन करा.

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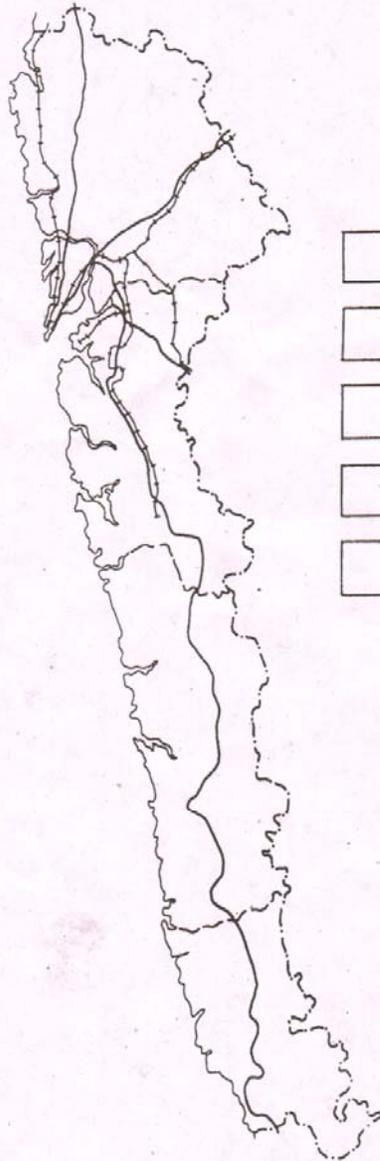
११. (अ) भारतातील संभाव्य पर्यटन क्षमता ओळखा.
(ब) आर्थिक विकासात पर्यटनाची भूमिका स्पष्ट करा.

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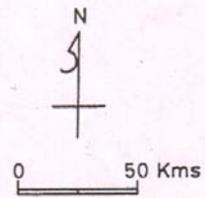
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Supervisor's Signature : _____

KONKAN



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- N.B. :** (1) Attempt any **two** questions from **Section I** and any **three** questions from **Section II**.
 (2) Answers to the **both** sections should be written in **same** answer-book.
 (3) **Figures** to the **right** indicate **full** marks.
 (4) **Graph papers** and **logtables** will be **supplied** on request.
 (5) Use of **simple calculator** is **allowed**.

1. (a) A shopkeeper received Rs. 1,61,500/- for selling 1000 clocks at a trade discount of 15% and cash discount of 5%. Find the marked price of each clock. If the cost price of a clock is Rs. 120/-, find the percentage of profit. 4
 (b) Find the equation of a straight line which is perpendicular to the line $3x - 4y = 7$ and passing through a point, (2, 3). 5
 (c) Differentiate the following with respect to 'x'— 5

(i) $y = x e^x + \log x$ (ii) $y = \frac{(x^2 + 1)}{\log x}$

- (d) (I) Explain in brief the arithmetical operators in BASIC. 3
 (II) Convert the following into BASIC expressions :- 3

(i) $3x^2 + \sqrt{y} = |4x + y^2|$ (ii) $ax^2 + 2bx + c \geq 0$ (iii) $\frac{3r^2 + 4q}{8m - n^2}$

2. (a) An investor sold his ownership flat for Rs. 20 lacs and purchased another property for Rs. 25 lacs through the same agent. The agent charged him 2% commission on sale and 3% commission on purchase. Find agent's total commission in these deals. And also find the extra amount to be paid by the investor. 4
 (b) Find the value of 'a' if the following three points are collinear points P(6, 4), Q(8, 5) and R(12, a). 5
 (c) Examine the following function for maxima and minima $f(x) = 2x^3 - 9x^2 + 12x + 5$. 5
 (d) (I) Explain with suitable examples the following BASIC statements :- 3
 (i) IF - THEN (ii) IF - THEN - ELSE.
 (II) Find output of the following BASIC program segment. 3

```
10 LET x = 10
20 LET y = 2 * x - 5
30 LET x = y
40 LET y = 2 * x - 5
50 PRINT x ; y
```

3. (a) Using Newton's interpolation formula find $f(12)$. for the following :- 4

x	5	10	15	20
f(x)	15	27	53	77

- (b) Solve the following linear programming problem graphically :- 5
 Minimize $Z = 50x + 40y$
 Subject to $3x + 2y \geq 12$, $x + 2y \geq 8$ and $x \geq 0$, $y \geq 0$.

- (c) Find the equation of tangent and normal to the curve $y = 6x^2 - 2x + 5$ at $x = 1$. 5
- (d) (I) Write BASIC statements for the following :— 3
- (i) Assign the value of square root of 28 to M.
 - (ii) Transfer control to line no. 100 from line no. 200 if x is more than y .
 - (iii) To halt the program execution temporarily.
- (II) State which of the following are true or false with respect to 'BASIC'. 3
- (i) Every READ statement requires separate DATA statement.
 - (ii) In the hierarchy of arithmetic operations multiplication and divisions are in last order of occurrence.
 - (iii) GO-TO statement is conditional transfer statement.

4. (a) Obtain the estimate of the missing figure in the following table, using the forward difference table method. Also state the necessary assumptions. 4

x	6	8	10	12	14
F(x)	9	14	—	32	58

- (b) Solve the following linear programming problem graphically 5
- Maximize $Z = 10x + 20y$
 Subject to $3x + 2y \leq 12$, $x + 2y \leq 8$ and $x \geq 0$, $y \geq 0$
- (c) If the demand function is $D = \frac{p+2}{p-1}$, where d is demand and p is the price, 5
- then find the price elasticity of demand when the price is Rs. 10/-.
- (d) (I) Explain the following BASIC statements using suitable example— 3
- FOR - TO - NEXT
- (II) If $X = -8.1$ then find the values of the following BASIC expressions— 3
- (i) $\text{SQR}(\text{ABS}(\text{INT}(X)))$
 - (ii) $\text{INT}(\text{SQR}(\text{ABS}(X)))$

Section II

5. (a) Explain the following terms used in statistics :— 6
- (i) Population and Sample
 - (ii) Attribute and variate
 - (iii) Discrete variate and continuous variate.

- (b) Find the arithmetic mean and median of following :— 7

Weight in Kgs	15—20	20—25	25—30	30—35	35—40	40—45	45—50
No. of Students	9	11	17	23	20	15	5

- (c) Draw a histogram and hence locate mode graphical using the data given below : 7

Marks	0—10	10—20	20—30	30—40	40—50	50—60
No. of Students	13	18	22	28	10	4

6. (a) Find the product moment correlation coefficient for following :— 6

x	22	17	29	40	33	50	38	43	53
y	30	35	31	42	40	45	38	34	52

- (b) Calculate the price index numbers using— 7

- (i) Laspeyre's
 (ii) Paasche's
 (iii) Fisher's methods for the following :—

Commodity	Current year 2005		Base year 2000	
	Price	Quality	Price	Quantity
1	10.50	10	13.00	15
2	16.00	12	18.00	12
3	18.00	10	20.00	12
4	25.00	15	22.00	18

- (c) Calculate the mean deviation from the arithmetic mean for following :— 7

Marks	5—15	15—25	25—35	35—45	45—55	55—65	65—75
No. of Students	10	12	18	20	15	8	7

7. (a) Calculate the trend using 3 yearly moving averages for the following data :— 6

Year	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Sales in '000'	103	111	107	120	118	125	130	128	135	140

- (b) Eight candidates ranked by two judges as follows :— 7

Ranked by Judge I	1	6	5	8	7	3	2	4
Rank by Judge II	3	2	4	6	5	7	1	8

Find the coefficient of correlation based on ranks. Hence interpret the result.

- (c) Calculate the standard deviation and coefficient of variation for the following distribution. 7

C.I.	1—10	11—20	21—30	31—40	41—50	51—60	61—70
f	8	13	22	27	18	10	2

8. (a) Two regression lines of a bivariate data are $2x - y + 10 = 0$ and $3x - 4y + 100 = 0$. 6

Find the means (\bar{x} , \bar{y}) and the correlation coefficient (r).

- (b) A bag contains 20 lottery tickets numbered from 101 to 120. One ticket is drawn 7

at random. What is probability that the ticket drawn will have number (i) multiple of 3 (ii) multiple of 4 (iii) multiple of 3 or 4 (iv) Multiple of 3 and 4.

- (c) Using data given below fit the straight line trend and hence estimate trend of the year 2008. 7

Year	2000	2001	2002	2003	2004	2005	2006
Sales in thousands	17	28	42	54	60	75	90

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9. (a) A player tosses 3 fair coins at a time. He gets Rs. 4 for every head and he pays Rs. 3 for every tail. Find his mathematical expectation of gain. 6
- (b) (i) State probability mass function of a binomial random variable with parameter n and p . Also state its properties. 3
- (ii) If an unbiased coin is tossed 5 times. Find probability of getting exactly 3 heads. 4
- (c) 500 candidates appeared for a certain test. The mean score was 59 and variance was 25. Assuming the distribution to be normal, find— 7
- (i) % of candidates scoring 64 and above.
- (ii) No. of candidates having score between 54 and 69.
- (Given : For a s.n.v. z , the area between $z = 0$ to $z = 1$ is 0.3414 and between $z = 0$ to $z = 2$ is 0.4773)

1	18.00	18.00	18.00	18.00	18.00
2	18.00	18.00	18.00	18.00	18.00
3	18.00	18.00	18.00	18.00	18.00
4	18.00	18.00	18.00	18.00	18.00
5	18.00	18.00	18.00	18.00	18.00

(c) Calculate the mean deviation from the arithmetic mean for the following—

Male	10	15	20	25	30	35	40	45	50	55	60	65	70
% of students	10	15	20	25	30	35	40	45	50	55	60	65	70

(d) Calculate the mean deviation from the arithmetic mean for the following data—

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Rate in '000'	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175

(e) The candidates ranked by two judges as follows—

Ranked by Judge I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Ranked by Judge II	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	3

(f) Calculate the standard deviation and coefficient of variation for the following data—

1	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
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(g) The regression line of y on x is $y = 10 + 2x$ and the regression line of x on y is $x = 5 + 0.5y$. Find the mean \bar{x} and the correlation coefficient r .

(h) A regression line of y on x is $y = 10 + 2x$. Find the mean \bar{y} and the correlation coefficient r .

(i) A regression line of y on x is $y = 10 + 2x$. Find the mean \bar{x} and the correlation coefficient r .

(j) A regression line of y on x is $y = 10 + 2x$. Find the mean \bar{y} and the correlation coefficient r .

(k) A regression line of y on x is $y = 10 + 2x$. Find the mean \bar{x} and the correlation coefficient r .

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Sales in thousands	15	20	25	30	35	40	45	50	55	60

Con. 2 & (a)-09.

(OLD COURSE)

VN-5328

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Part 'A' is compulsory.
(2) Attempt any **four** questions from Part 'B'.
(3) Attempt any **two** questions from Part 'C'.
(4) **Figures** to the right indicate full marks.
(5) Section II is compulsory.

Section I—(70 Marks)

Part 'A'—(10 Marks)

1. Discuss the concept and importance of 'Tolerance' as basic human values. 10
Or
Explain the significance of 'Patriotism' in modern times. 10

Part 'B'—(40 Marks)

2. What is communalism ? Explain with examples how it lead to inter-group conflict. 10
3. Explain with examples how women are exploited at the workplace. 10
4. Discuss solutions to India's economic problems. 10
5. Bring out basic features of National Education Policy. 10
6. Explain the types of corruption. What are the causes of corruption ? 10
7. What is handicap ? Write a note on the physical handicapped. 10
8. What is noise pollution ? Describe it's main sources. 10
9. Write a note on any **one** of the following :— 10
(a) Causes of AIDS
(b) Soil pollution
(c) Effects of Alcoholism.

Part 'C'—(20 Marks)

10. Explain how healthy personality develops ? 10
11. What is maturity ? Explain the steps towards maturity. 10
12. Bring out the importance of realistic goal-setting. 10
13. Write a note on any **one** of the following :— 10
(a) Process of decision-making
(b) Kinds of frustration
(c) Techniques of handling stress.

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Section II—(30 Marks)

14. Comment on any seven of the following in not more than 'five' sentences each :— 14

- (1) Presidential election in America.
- (2) Satyam scam.
- (3) Recession and Unemployment.
- (4) India-Pak relation.
- (5) Government's package for farmers.
- (6) Attacks on Christian Missionaries in Kandhamal, Orisa.
- (7) Kashmir Elections—2008.
- (8) Loadshading in Maharashtra.
- (9) Garib Rath.
- (10) Poor performance of Indian Sportpersons.

State whether the following statements are true or false :—

- (1) Mr. P. Chidambaram is the Finance Minister of India.
- (2) Bharat Natyam is the Famous dance of Gujarat.
- (3) Sharad Pawar is Deputy Prime Minister of India.
- (4) The Constitution of India was adopted on 26th January, 1950.
- (5) China economy is the fastest growing economy in the world.
- (6) Arjun Singh is a Union Minister of Power.

Answer in one sentence each (any ten) :—

- (1) Name the Petroleum Minister of India.
- (2) Name the police officers who became Shahid in terrorists attack on Mumbai.
- (3) Name the Chief Minister of Rajasthan.
- (4) Who is the President of International Cricket Council (ICC) ?
- (5) Write a full form of SEBI.
- (6) Distinguish between Credit card and Debit card.
- (7) Who is the Director of 'Slum-dog Millionaire' ?
- (8) What is the full form of MMRDA ?
- (9) Who is the Chairman of University Grant Commission ?
- (10) In which state of India Koyana' Dam is located.
- (11) What are 'Tsunami' Waves ?
- (12) Who is Sunita Williams ?
- (13) Who is the President of Pakistan ?
- (14) Which committee report is related to Muslim Community ?
- (15) What is the achievement of Vishwanathan Anand ?

(मराठी रूपांतर)

(आवश्यक वाटल्यास इंग्रजी प्रश्नपत्रिका पहा.)

- सूचना : (१) भाग 'अ' अनिवार्य आहे. (१)
- (२) भाग 'ब' मधून कोणतेही चार प्रश्न सोडवा. (२)
- (३) भाग 'क' मधून कोणतेही दोन प्रश्न सोडवा. (३)
- (४) उजवीकडील अंक पूर्ण गुण दर्शवितात. (४)
- (५) विभाग २ अनिवार्य आहे. (५)
- विभाग १-(७० गुण)
- भाग 'अ'-(१० गुण)
१. मूलभूत मूल्य म्हणून 'सहिष्णुता' ही संकल्पना व त्याचे महत्त्व स्पष्ट करा. १०
- किंवा
- आधुनिक काळात 'देशभक्ती'चे महत्त्व स्पष्ट करा. १०
- भाग 'ब'-(४० गुण)
२. जातीयवाद म्हणजे काय ? तो गटांतर्गत कलहास कसा कारणीभूत ठरतो ते उदाहरणादाखल स्पष्ट करा. १०
३. कामच्या ठिकाणी स्त्रियांची कशी पिळवणूक होते हे उदाहरणासह स्पष्ट करा. १०
४. भारताच्या आर्थिक समस्यांवरील तोड्यांवर चर्चा करा. १०
५. राष्ट्रीय शिक्षण धोरणाची मूलभूत वैशिष्ट्ये सांगा. १०
६. भ्रष्टाचाराचे प्रकार स्पष्ट करा. भ्रष्टाचाराची कारणे कोणती ? १०
७. अपंगत्व म्हणजे काय ? शारीरिक अपंगत्वावर टीप लिहा. १०
८. ध्वनी प्रदूषण म्हणजे काय ? त्याच्या प्रमुख स्रोतांचे वर्णन करा. १०
९. खालीलपैकी कोणत्याही एकावर टीप लिहा :- १०
- (अ) एड्सची कारणे
- (ब) मृदा प्रदूषण
- (क) व्यसनाधीनतेचे परिणाम.
- भाग 'क'-(२० गुण)
१०. निरोगी व्यक्तीमत्त्व कसे विकसित होते ते स्पष्ट करा ? १०
११. परिपक्वता म्हणजे काय ? परिपक्वतेपर्यंतचे टप्पे स्पष्ट करा. १०
१२. वास्तव ध्येय निश्चितीचे महत्त्व सांगा. १०
१३. खालीलपैकी कोणत्याही एकावर टीप लिहा :- १०
- (अ) निर्णय घेण्याची प्रक्रिया
- (ब) निराशेचे प्रकार
- (क) तणाव हाताळण्याची तंत्रे.

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विभाग २-(३० गुण)

१४. (अ) खालीलपैकी कोणत्याही सातवर प्रत्येकी पाच वाक्यात भाष्य करा :-

- (१) अमेरिकन राष्ट्राध्यक्षपदाची निवडणूक
- (२) सत्यम घोटाला
- (३) मंदी आणि बेकारी
- (४) भारत-पाक संबंध
- (५) शेतकऱ्यांसाठी सरकारचे पॅकेज
- (६) ओरीसातील कंधमाल येथील ख्रिस्ती मिशनऱ्यांवरील हल्ला
- (७) काश्मीर निवडणूक-२००८
- (८) महाराष्ट्रातील भारनियमन
- (९) गरीब रथ
- (१०) भारतीय खेळाडूंची खराब कामगिरी.

(ब) खालील विधाने चूक किंवा बरोबर ते सांगा.

- (१) श्री. पी. चिदंबरम् हे भारताचे अर्थमंत्री आहेत.
- (२) भरत नाट्यम् हे गुजरातचे प्रसिद्ध नृत्य आहे.
- (३) शरद पवार भारताचे उपपंतप्रधान आहेत.
- (४) २६ जानेवारी, १९५० रोजी भारताने राज्यघटनेचा स्वीकार केला.
- (५) चीनची अर्थव्यवस्था ही जगात सर्वात वेगाने वाढणारी अर्थव्यवस्था आहे.
- (६) अर्जुन सिंग हे केंद्रिय उर्जामंत्री आहेत.

(क) प्रत्येकी एक वाक्यात उत्तरे लिहा (कोणतेही दहा) :-

- (१) भारताच्या प्रेट्रोलियम मंत्र्याचे नाव सांगा.
- (२) मुंबईवरील अतिरेकी हल्ल्यात शहीद झालेल्या पोलीस अधिकाऱ्यांची नावे लिहा.
- (३) राजस्थानच्या मुख्यमंत्र्याचे नाव सांगा.
- (४) आंतरराष्ट्रीय क्रिकेट समितीचे अध्यक्ष कोण आहेत ? (ICC)
- (५) सेबी (SEBI)चे पूर्ण रूप लिहा.
- (६) क्रेडीट कार्ड व डेबीट कार्डमधील फरक सांगा.
- (७) 'स्लमडॉग मिलीनिओर'चे दिग्दर्शक कोण आहेत ?
- (८) एम.एम.आर.डी.ए.चे पूर्ण रूप लिहा. (MMRDA)
- (९) विद्यापीठ अनुदान आयोगाचे अध्यक्ष कोण आहेत ?
- (१०) भारतातील कोणत्या राज्यात 'कोयना' धरण आहे ?
- (११) 'तसूनामी लाटा' काय आहेत ?
- (१२) सुनिया विल्यमस् कोण आहेत ?
- (१३) पाकिस्तानचे राष्ट्राध्यक्ष कोण आहेत ?
- (१४) मुस्लीम समाजाशी कोणत्या समितीचा अहवाल संबंधित आहे ?
- (१५) विश्वनाथन आनंदची कामगिरी काय ?

Con. 2(a)-09.

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VN-5328

(REVISED COURSE)

(3 Hours)

[Total Marks : 100

- N.B. : (1) All questions are compulsory.
(2) Figures to the right indicate full marks.
(3) Write answers of both the sections in the same answer-paper.

Section I

1. (a) Explain the factors responsible for Indian Society to be multicultural in nature. 6
Or
Write a note on 'Regional Imbalance' in India. 6
(b) What is Alcoholism and what are the symptoms of alcoholic addiction? 8
Or
Discuss how AIDS is transmitted among people? 8
2. (a) What are the factors responsible for regional imbalance in India? 8
Or
What are the main problems faced by women in India? 8
(b) Write a note on SMOKING. 4
Or
Explain measures to overcome the problems of child labour. 4
3. (a) Describe the role of Youth in promoting communal harmony. 8
Or
What are the fundamental duties of Indian Citizens? 8
(b) What are the problems faced by senior citizens? 4
Or
What preventive measures should be taken against drug addiction. 4
4. (a) What are the features of Group? 8
Or
Write a note on women and mass media. 8
(b) What are the causes of alcoholism? 4
Or
Explain the various symptoms of AIDS. 4

Section II

5. (a) Explain the main features of New Industrial Policy 1991. 6
Or
Write a note on impact of Globalization. 6
(b) How does environment influence the personality development of an Individual? 8
Or
Write a note on 'career planning'. 8

[TURN OVER

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6. (a) Discuss how values are greatly affected due to globalisation. 8
Or
What is consumerism. Explain its importance. 8
(b) Explain the causes of Frustration. 4
Or
What are the various strategies to overcome stress? 4
7. (a) What is outsourcing? What are the benefits of outsourcing? 8
Or
Write a note on effects of Migration? 8
(b) Explain how time Management is important in modern world. 4
Or
Write a note on Heredity. 4
8. (a) 'Globalization has impact on agriculture'. Comment. 8
Or
'Agriculture sector plays important role in Indian Economy'. Comment. 8
(b) What are the characteristics of Healthy personality. 4
Or
Write note on Self-Actualisation theory. 4

(सुधारित अभ्यासक्रम)

(मराठी रूपांतर)

(आवश्यक बाटल्यास इंग्रजी प्रश्नपत्रिका पहा.)

सूचना : (१) सर्व प्रश्न अनिवार्य आहेत.

(२) उजव्या बाजूचे अंक पूर्ण गुण दर्शवितात.

(३) दोन्ही विभागातील उत्तरे एकाच उत्तरपत्रिकेत लिहा.

१. (अ) भारतीय समाजाच्या बहुसंस्कृतीय स्वरूपाला कारणीभूत ठरलेले घटक स्पष्ट करा. ६
किंवा
'भारतातील प्रादेशिक असमतोल' यावर टीप लिहा. ६
(ब) व्यसनाधिनता म्हणजे काय? दारूच्या व्यसनाची लक्षणे सांगा. ८
किंवा
'एडसची' लागण लोकांमध्ये कशी होते त्यावर चर्चा करा. ८
२. (अ) भारतातील प्रादेशिक असमतोलास कोणते घटक जबाबदार आहेत? ८
किंवा
भारतातील स्त्रियांना कोणत्या प्रमुख समस्यांना सामोरे जावे लागते? ८
(ब) धूम्रपानावर टीप लिहा. ४
किंवा
बालकामगारांच्या समस्या सोडविण्यासाठीच्या उपाययोजना स्पष्ट करा. ४

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३. (अ) जातीय सलोखा वाढीस लावण्यासाठी युवकांची भूमिका विशद करा. ८
किंवा
भारतीय नागरीकांची मूलभूत कर्तव्ये कोणती ? ८
(ब) ज्येष्ठ नागरिकांना कोणत्या समस्यांना सामोरे जावे लागते ? ४
किंवा
गर्दच्या व्यासनावर प्रतिबंधात्मक उपाययोजना कोणत्या ? ४
४. (अ) समूहाची वैशिष्ट्ये कोणती ? ८
किंवा
स्त्री आणि प्रसारमाध्यमे यावर टीप लिहा. ८
(ब) व्यसनाधीनतेची कारणे कोणती ? ४
किंवा
एडसची विविध लक्षणे स्पष्ट करा. ४

विभाग २

५. (अ) १९९१च्या नवीन औद्योगिक धोरणाची प्रमुख वैशिष्ट्ये स्पष्ट करा. ६
किंवा
जागतिकीकरणाच्या परिणामावर टीप लिहा. ६
(ब) मनुष्याच्या व्यक्तीमत्त्व विकासात पर्यावरणाचा प्रभाव कसा पडतो ? ८
किंवा
'भवितव्य नियोजना'वर टीप लिहा. ८
६. (अ) जागतिकीकरणामुळे मूल्यांवर कसा परिणाम झालेला आहे यावर चर्चा करा. ८
किंवा
ग्राहकवाद म्हणजे काय ? त्याचे महत्त्व स्पष्ट करा. ८
(ब) विफलतेची कारणे स्पष्ट करा. ४
किंवा
तणावावर मात करण्यासाठी विविध व्यूहरचना कोणत्या ? ४
७. (अ) बाह्यस्रोत (आऊटसोर्सिंग) म्हणजे काय ? बाह्यस्रोताचे फायदे कोणते ? ८
किंवा
'स्थलांतराचे परिणाम' यावर टीप लिहा. ८
(ब) आधुनिक जगात 'वेळ व्यवस्थापन' महत्वाचे कसे आहे ते स्पष्ट करा. ४
किंवा
'आनुवंशिकता'वर टीप लिहा. ४

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- ८. (अ) 'जागतिकीकरणाचा 'कृषीक्षेत्रावरील परिणाम' यावर चर्चा करा. ८
 किंवा
 'भारतीय अर्थव्यवस्थेत कृषीक्षेत्र महत्त्वाची भूमिका पार पाडते.' मत मांडा. ८
- (ब) सुदृढ व्यक्तीमत्त्वाची वैशिष्ट्ये सांगा. ४
 किंवा
 टीप लिहा : 'स्वयंस्फूर्ती सिद्धांत'. ४

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Con. 5 -09.

paper I

VN-5357

(3 Hours)

[Total Marks : 100

- N.B. :** (1) Question No. 1 and 7 are **compulsory**.
 (2) Besides compulsory questions. Attempt any **two** questions from each section.
 Total questions to be solved are **six**.
 (3) **Figures to the right indicate full marks.**

Section I

1. (a) Define the following :- 12
 (i) Iso-quant
 (ii) Cross-elasticity of demand
 (iii) Demand Forecasting
 (iv) Internal Economics.
 (b) Distinguish between (any two) :- 6
 (i) Fixed Cost and Variable Cost
 (ii) Micro and Macro Economics
 (iii) Average Cost and Marginal Cost.
2. (a) Explain the factors determining the elasticity of demand ? 8
 (b) Define income elasticity of demand and the various types of income elasticity. 8
3. (a) State and explain the concept of consumer surplus. 8
 (b) Solve the following case study :- 8
 Measure the consumer's surplus from the following data :

Units of goods	Total Utility (Rs.)	Actual Price
1	50	6
2	78	6
3	102	6
4	118	6
5	124	6
6	126	6

4. (a) Explain the properties of Iso-quant curve. 8
 (b) Discuss the importance of demand forecasting. 8
5. (a) Discuss the relationship between AC and MC. 8
 (b) Measure TVC, MC, AFC and AVC from following data :- 8

Units	1	2	3	4	5	6
TC	40	55	80	110	160	220
TFC	30	30	30	30	30	30

[TURN OVER

6. Write notes on any two of the following :-

- (a) Production Function
- (b) Production Possibility Curve
- (c) Short-run cost curve behaviour
- (d) Subject matter of Business Economics.

16

Section II

7. (a) Define the concepts :-

- (i) Selling Cost
- (ii) Industry
- (iii) Oligopoly
- (iv) Dumping

12

(b) Distinguish between any two :-

- (i) Monopoly and Perfect Competition
- (ii) Marginal Cost Pricing and Full Cost Pricing
- (iii) Average Revenue and Marginal Revenue.

6

- 8. (a) Explain the features of Perfect Competition ?
- (b) How does firm attain short-run equilibrium under perfect competition.

8

8

- 9. (a) What are the features of monopolistic competition ?
- (b) Discuss the wastes of monopolistic competition.

8

8

- 10. (a) Explain relationship between AR and MR under monopoly.
- (b) Measure TR and MR from following information :-

8

8

No. of Units Sold	1	2	3	4	5	6
Average Revenue (Rs.)	110	106	94	70	60	45

11. Briefly explain the objectives of firm.

16

12. Write notes on any two :-

16

- (a) Break-even analysis
- (b) Significance of Capital Budgeting
- (c) Need for Project Planning
- (d) Price Discrimination.

Q	1	2	3	4	5	6
TR	110	212	282	280	300	270
MR	110	102	88	70	60	45

(मराठी रुपांतर)

- सूचना : (१) प्रश्न क्र. १ व ७ अनिवार्य आहेत.
 (२) अनिवार्य प्रश्नाशिवाय प्रत्येक विभागातून दोन प्रश्न सोडवा.
 (३) उजवीकडील अंक प्रश्नांचे गुण दर्शवितात.

विभाग १

१. (अ) 'व्याख्या द्या :-' १२
 (१) सम उत्पादन वक्र (२) मागणीची छेदक लवचिकता
 (३) मागणीचा अंदाज (४) अंतर्गत बदली.
 (ब) भेद स्पष्ट करा (कोणतेही दोन) :- ६
 (१) स्थिर खर्च आणि बदलता खर्च
 (२) सूक्ष्म आणि स्थूल अर्थशास्त्र
 (३) सरासरी आणि सिमांत खर्च.
२. (अ) मागणीची लवचिकता ठरविणारे घटक स्पष्ट करा. ८
 (ब) मागणीच्या उत्पन्न लवचिकतेची व्याख्या द्या आणि मागणीच्या उत्पन्न लवचिकतेचे विविध प्रकार स्पष्ट करा. ८
३. (अ) उपभोक्त्याच्या लाभाधिक्याची संकल्पना स्पष्ट करा. ८
 (ब) पुढील माहितीच्या आधारे उपभोक्त्याच्या लाभाधिक्याचे मोजमाप करा. ८

वस्तूची नगसंख्या	एकूण उपयोगिता (रु.)	प्रत्यक्ष किंमत (रु.)
२	५०	६
३	७८	६
३	१०२	६
४	११८	६
५	१२४	६
६	१२६	६

४. (अ) समउत्पादन वक्राची वैशिष्ट्ये स्पष्ट करा. ८
 (ब) मागणीच्या अंदाज वर्तविण्याच्या महत्त्वाची चर्चा करा. ८
५. (अ) सरासरी खर्च व सिमांत खर्च यांतील संबंधाची चर्चा करा. ८
 (ब) पुढील माहितीच्या आधारे एकूण बदलता खर्च, सिमांत खर्च, सरासरी स्थिर खर्च आणि सरासरी बदलता खर्च यांचे मोजमाप करा. ८

नग	१	२	३	४	५	६
एकूण खर्च	४०	५५	८०	११०	१६०	२०
एकूण स्थिर खर्च	३०	३०	३०	३०	३०	३०

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६. दोहोंवर टिपा लिहा :-

- (अ) उत्पादन फल
 (ब) उत्पादन शक्यता वक्र
 (क) अल्पकालीन खर्च वक्राची प्रवृत्ती
 (ड) व्यवसायीक अर्थशास्त्राचा अभ्यास विषय.

१६

विभाग २

७. (अ) व्याख्या द्या :-

- (१) विक्री खर्च (२) उद्योग
 (३) अल्पाधिकार (४) अवपुंजन.

१२

(ब) भेद स्पष्ट करा (कोणतेही दोन) :-

- (१) मक्तेदारी आणि पूर्ण स्पर्धा
 (२) सिमांत खर्च किंमत पध्दती आणि पूर्ण खर्च किंमत पध्दती
 (३) सरासरी प्राप्ती आणि सिमांत प्राप्ती.

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८. (अ) पूर्ण स्पर्धेची वैशिष्ट्ये स्पष्ट करा.

(ब) पूर्ण स्पर्धेत अल्पकाळात उद्योग संस्थेचा समतोल कसा साधला जातो ते स्पष्ट करा.

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९. (अ) मक्तेदारीयुक्त स्पर्धेची वैशिष्ट्ये कोणती ?

(ब) मक्तेदारीयुक्त स्पर्धेतील अपव्ययाची चर्चा करा.

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१०. (अ) मक्तेदारीतील सरासरी प्राप्ती व सिमांत प्राप्तीचा संबंध स्पष्ट करा.

(ब) पुढील माहितीच्या आधारे एकूण प्राप्ती, आणि सिमांत प्राप्तीचे मोजमाप करा :

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विकलेल्या वस्तू	१	२	३	४	५	६
सरासरी प्राप्ती (रु.)	११०	१०६	९४	७०	६०	४५

११. उद्योगसंस्थेची विविध उद्दिष्टे स्पष्ट करा.

१६

१२. दोहोंवर टिपा लिहा :-

- (अ) सबिंदू विश्लेषण
 (ब) भांडवली अंदाजपत्रकाचे महत्त्व
 (क) प्रकल्प नियोजनाची गरज
 (ड) किंमत भेद.

१६

विकलेल्या वस्तू	१	२	३	४	५	६
सरासरी प्राप्ती (रु.)	११०	१०६	९४	७०	६०	४५

N.B. : (1) Answers to the two sections should be written in the same answerbook.
(3) Figures to the right indicate full marks.

Section I

- 1. (a) Explain with diagram the two way process of communication. 8
Or
(a) Write short notes on any two of the following :- 8
(i) Grapevine (ii) Psychological barriers to communication
(iii) Body language (iv) Internet
(b) Examine the role of a chairman and of participants in meetings. 7
Or
(b) Write short notes on any two of the following :- 7
(i) Job selection interview
(ii) Essentials of effective letter writing
(iii) Problems of group communication
(iv) Advantages of committee.
- 2. Write short notes on any three of the following :- 15
(i) External Public Relations
(ii) Motivation
(iii) Importance of feedback
(iv) Advantages of conference.
- 3. (a) What is a conference ? Discuss the various measures required to ensure its 10
success.
Or
(b) What is Public Relation ? How does public relation department function in an 10
organisation ?
- 4. (a) Draft a Notice and Agenda for the Fifth Annual General Meeting of the share 4
holders of Deepak Fertilizers Ltd. Mumbai.
(b) Draft a properly worded Resolutions for the following :- 4
(i) To declare dividend
(ii) Appointment of director in the place of Shri B. K. Kamat who retires
by rotation.

[TURN OVER

Section II

5. (a) Draft a testimonial for an employee in your accounts department who is leaving your firm. 8
- Or**
- (a) A clerk of the sales department of your concern is careless and negligent in his work. Draft a memo, warning him of serious consequences. 8
- (b) On account of strike in your factory you are unable to deliver to M/s. Jadhav and sons, Nagpur, 250 bicycles by the stipulated date. As the sales manager of India Cycle Manufacturing Co. Write a letter requesting extension of time (Write in full block form). 8
- Or**
- (b) You have received a complaint from a valued customer from Pune, pointing out that the steel furniture he had ordered for a special occasion has arrived in a badly damaged condition. Though the fault is of the transport company, you have decided to replace the damaged furniture. Draft your reply (Write in Modified Block form). 8
6. (a) Draft a sales letter to promote the sale of any one of the following :- 6
- (i) Space saving furniture
 - (ii) A new wrist watch
 - (iii) Non fattening edible oil.
- (b) Draft a petition in the form of a letter to be presented to the District Consumer's Redressal Forum about a refrigerator that you bought from a reputed company and which you find making loud noise and does not cool sufficiently. Explain how you have failed to get your complaint redressed by the company in spite of several letters from you. 6
7. (a) You have received an order for goods worth Rs. 1,00,000/- from M/s. Patel and Brothers. As they have asked for a credit of three months, write a letter asking for two trade references. 7
- (b) In spite of repeated reminders Rahul Construction Co. has not paid a bill amount of Rs. 50,000/- which is long overdue. Draft a final collection letter as a manager of Ashok Material Suppliers. 7
8. A committee has been formed to investigate the possibilities of starting a co-operative store in your college. Draft the report of the committee with favourable recommendations. 10
- Or**
- A plastic factory of which you are a manager, has been badly damaged by fire. Draft a report to your directors, informing them of the accident and your preliminary findings. 10

(मराठी रूपांतर)

सूचना : (१) दोन्ही विभागांची उत्तरे एकाच उत्तरपत्रिकेत लिहा.
(३) उजवीकडील अंक पूर्ण गुण दर्शवितात.

विभाग १

१. (अ) 'योग्य आकृतीसह द्वि-मार्गी संज्ञापन प्रक्रिया स्पष्ट करा. ८
किंवा
(अ) खालीलपैकी कोणत्याही दोनवर टिपा लिहा :- ८
(१) द्राक्षवेल संज्ञापन
(२) संज्ञापनातील मानसशास्त्रीय अडथळे
(३) देह - बोली
(४) इंटरनेट.
(ब) सभेतील चेअरमन व सभासद यांच्या भूमिकांचे परिक्षण करा. ७
किंवा
(ब) खालीलपैकी कोणत्याही दोनवर टिपा लिहा :- ७
(१) नोकरी साठीची मुलाखत
(२) प्रभावशाली पत्रलेखनासाठी आवश्यक बाबी
(३) समूह संज्ञापनातील समस्या
(४) समीतीचे फायदे.
२. खालीलपैकी कोणत्याही तिहींवर टिपा लिहा :- १५
(अ) बर्हीगत जन संपर्क
(ब) प्रेरणा
(क) संज्ञापनातील पुष्ट्यर्थ माहितीचे महत्त्व
(ड) परिषदांचे फायदे.
३. (अ) परिषद म्हणजे काय ? परिषद यशस्वी होण्यासाठी कोणकोणत्या उपायांची आवश्यकता असते १०
त्याची चर्चा करा.
किंवा
(अ) जनसंपर्क म्हणजे काय ? जनसंपर्क विभाग कशा प्रकारे कार्य करतो ? १०
४. (अ) दिपक फर्टीलायझर्स लि. मुंबई भागधारकांच्या पाचव्या वार्षिक सर्वसाधारण सभेची 'सूचना' व ४
कार्यक्रम पत्रिका तयार करा.
(ब) योग्य भाषेत खालील 'ठराव' लिहा :- ४
(१) लाभांश जाहीर करणे
(२) श्री. बी. के. कामत त्यांच्या जागी नवीन संचालकांची नियुक्ती करणे.

[TURN OVER

विभाग २

५. (अ) तुमच्या लेखा विभागातील कर्मचारी तुमच्या कार्यालयातील नोकरी सोडून जात आहे. त्यासाठी ८
'प्रशस्तीपत्र' लिहा.
- किंवा
- (अ) तुमच्या विक्री विभागातील कारकून निष्काळजी व कामचोर आहे. त्याला गंभीर परिणामांची सूचना ८
देणारे 'मेमो' पत्र लिहा.
- (ब) तुमच्या फॅक्टरीतील कामगारांच्या संपामुळे तुम्ही मे. जाधव अॅन्ड सन्स नागपूर यांना ठरलेल्या ८
मुदतीत २५० सायकल पाठवू शकत नाही. जनता सायकल मॅन्युफॅक्चरींग लि. यांचे विक्री व्यवस्थापक
या नात्याने मुदत वाढ मिळावी असे विनंती पत्र लिहा. (फुल ब्लॉक फॉर्म मध्ये लिहा)
- किंवा
- (ब) खास प्रसंगासाठी मागणी केलेले लोखंडी फर्निचर अत्यंत खराब अवस्थेत मिळालेले आहे. असे ८
तुमचा पुण्याचा महत्त्वाचा ग्राहक कळवतो वाहतूक कंपनी या नुकसानीस जबाबदार असून देखील
तुम्ही त्याला खराब फर्निचर बदलून देणार असल्याचे पत्र लिहा (मॉडीफाईड ब्लॉक फॉर्म मध्ये लिहा.)
६. (अ) खालीलपैकी कोणत्याही एका वस्तूचा खप वाढण्यासाठी विक्रीपत्र तयार करा. ६
- (१) जागा कमी व्यापणारे फर्निचर
(२) नवीन मनगटी घड्याळ
(३) चरबी निरोधक खाद्यतेल.
- (ब) जिल्हा ग्राहक तक्रार निवारण मंच यांना खालील तक्रार पत्र लिहा. ६
- 'एका नांमाकीत कंपनीकडून तुम्ही खरेदी केलेला रेफ्रीजरेटर मोठ्याने आवाज करतो तसेच
योग्य प्रकारे कार्य करीत नाही तुम्ही अनेक वेळा कंपनीकडे तक्रार केलेली आहेत परंतु तुमची
तक्रार निवारण झालेले नाही.
७. (अ) तुम्हाला मे. पटेल बंधू यांचेकडून रु. १,००,०००/- किमतीच्या मालाची मागणी मिळालेली आहे. ७
परंतु त्यांनी तीन महीने मुदतीच्या उधारीची विनंती केलेली आहे. त्यासाठी दोन 'शिफारसकर्त्यांची'
नावे मागवणारे पत्र लिहा.
- (ब) अनेक स्मरण पत्रे लिहूनदेखील राहुल कंस्ट्रक्शन कं. यांनी त्यांच्याकडे दिर्घकाळ प्रलंबीत असलेली ७
रु. ५०,०००/- एवढी बीलाची रक्कम अदा केलेली नाही. अशोक मटेरिअल सप्लायर्स यांचे व्यवस्थापक
या नात्याने त्यांना शेवटचे वसूली पत्र लिहा.
८. तुमच्या महाविद्यालयात 'सहकारी तत्वावरील दुकान' सुरू करण्याच्या शक्यतांचा मागोवा घेण्यासाठी १०
स्थापन केलेल्या समीतीचा सकारात्मक शिफारस करणारा अहवाल लिहा.
- किंवा
- तुम्ही व्यवस्थापक असलेल्या प्लॅस्टिक फॅक्टरीचे आगीमुळे अतोनात नुकसान झालेले आहे. तुमच्या संचालकांना १०
या दुर्घटनेची माहिती देणारा व आगीच्या आढळलेल्या प्राथमिक कारणांचा अहवाल लिहा.

FYBcom Commerce - Paper I Apr 12 2009

Business system and the Society

V: Mar-09-R1)

Con. 7-09.

VN-5395

(3 Hours)

[Total Marks : 100

- N.B. : (1) Attempt any **three** questions from **each** section.
(2) **Tie both** the sections **together**.
(3) **Figures** to the **right** indicate **full marks**.

Section I

1. (a) What do you understand by business ? Explain its characteristics. 8
(b) Explain the factors contributing to Globalization. 8
2. (a) Highlights the role of public sector in Indian Business Environment. 8
(b) What is a co-operative society ? Explain its features. 8
3. (a) Explain the Technological and Demographic environment in India. 8
(b) What measures can be initiated to improve the education system in India ? 8
4. (a) Explain the social objectives of a business. 8
(b) Explain the role of profit in business. 8
5. Write short notes on any **three** of the following :- 18
(a) Changing scenario since liberalization
(b) Role of private sector in India
(c) Significance of business environment study
(d) Organic objectives of business
(e) Career options to commerce students
(f) Joint sector.

Section II

6. (a) Who is a promoter ? Explain the different types of promoters. 8
(b) Explain the steps involved in project planning. 8
7. (a) What are the essentials elements of good turnaround strategy ? 8
(b) What are the objectives of business growth ? 8
8. (a) Define MNC's. Explain the demerits of MNCs. 8
(b) Explain the different forms of business combinations. 8
9. (a) Explain the image building process of Business. 8
(b) What is business ethics ? Explain its importance in business. 8
10. Write short notes on any **three** of the following :- 18
(a) Social Audit
(b) Problems of consumer movement in India
(c) Optimum Business Unit
(d) Amalgamation
(e) Social Responsibility of Business
(f) Types of combinations.

[TURN OVER

2019

- सूचना : (१) प्रत्येक विभागातील कोणतेही तीन प्रश्न सोडवा.
 (२) उजवीकडील अंक त्या प्रश्नांचे गुण दर्शवितात.
 (३) दोन्ही विभागांची उत्तरे एकाच उत्तर-पत्रिकेत लिहा.
 (४) मूळ इंग्रजी प्रश्न प्रमाण मानावेत.

विभाग १

१. (अ) 'व्यवसाय' या संज्ञेचा अर्थ काय ? त्याची वैशिष्ट्ये स्पष्ट करा. ८
 (ब) जागतिकीकरणाला हातभार लावणारे घटक स्पष्ट करा. ८
२. (अ) भारतीय व्यवसाय पर्यावरणातील सार्वजनिक क्षेत्राची भूमिका स्पष्ट करा. ८
 (ब) 'सहकारी संस्था' म्हणजे काय ? त्याची वैशिष्ट्ये स्पष्ट करा. ८
३. (अ) भारतातील तंत्रविज्ञान आणि लोकसंख्यांची वातावरण स्पष्ट करा. ८
 (ब) भारतातील शैक्षणिक पध्दत सुधारण्यासाठी कोणत्या उपायांपासून प्रारंभ केला पाहिजे ? ८
४. (अ) व्यवसायाची सामाजिक उद्दिष्टे स्पष्ट करा. ८
 (ब) व्यवसायातील नफ्याची भूमिका स्पष्ट करा. ८
५. खालीलपैकी कोणत्याही तीनवर टिपा लिहा :- १८
 (अ) उदारीकरण धोरणापासूनची बदलती रूपरेषा.
 (ब) भारतातील खाजगी क्षेत्राची (संस्थांची) भूमिका
 (क) व्यवसाय वातावरण अभ्यासाचे महत्त्व
 (ड) व्यवसायाची संघटनात्मक उद्दिष्टे
 (इ) वाणिज्य विद्यार्थ्यांसाठी नोकरी/व्यवसायाच्या संधी
 (फ) संपुक्त क्षेत्र.

विभाग २

६. (अ) 'प्रवर्तक' म्हणजे काय ? त्याचे विविध प्रकार स्पष्ट करा. ८
 (ब) प्रकल्प नियोजनातील समाविष्ट असलेल्या पायऱ्या स्पष्ट करा. ८
७. (अ) चांगल्या स्थित्यंतर वळणाचे अत्यावश्यक घटक कोणते ? ८
 (ब) व्यवसाय वाढीची उद्दिष्टे कोणती आहेत ? ८
८. (अ) 'एम. एन. सी' ची व्याख्या सांगा. त्याचे तोटे स्पष्ट करा. ८
 (ब) व्यवसाय संयोगाच्या विविध पध्दती स्पष्ट करा. ८
९. (अ) व्यवसायाची प्रतिमा रचना पध्दत स्पष्ट करा. ८
 (ब) व्यवसायातील सदाचार म्हणजे काय ? व्यवसायातील त्याचे महत्त्व स्पष्ट करा. ८
१०. खालीलपैकी कोणत्याही तीनवर टिपा लिहा :- १८
 (अ) सामाजिक लेखापरीक्षण
 (ब) भारतातील ग्राहक चळवळीच्या समस्या
 (क) इष्टतम व्यवसायिक संस्था
 (ड) एकत्रिकरण
 (इ) व्यवसायाच्या सामाजिक जबाबदाऱ्या
 (फ) संयोगाचे प्रकार.

Con. 4 & (a)-09.

(OLD COURSE)

VN-5284

(3 Hours)

[Total Marks : 100]

- N.B. : (1) Question No. 1 is compulsory and attempt any five from the rest.
 (2) Figures to the right indicates full marks allotted to question.
 (3) All working notes should form a part of your answer.

1. From the following Trial Balance and the additional information prepare the manufacturing 20 Account, Trading and P. and L. A/c and the Balance Sheet relating to 2008.

Particulars	Rs.	Particulars	Rs.
Stock on 1-1-08		Sundry Creditors	1,62,000
Raw Material	2,10,000	Bills Payable	75,000
Work-in-progress	95,000	Sale of Scrap	25,000
Finished Goods	1,15,000	Commission	4,500
Sundry Debtors	2,44,000	Provision for Doubtful	
Carriage Inward	15,000	Debts	16,500
Bills Receivable	1,50,000	Capital Account	9,00,000
Wages	1,30,000	Sales	17,70,000
Salaries	1,00,000	Bank Overdraft	10,200
Telephone Charges	10,000		
Repairs to Plant	11,000		
Repairs to Furniture	3,500		
Purchases	8,00,000		
Cash at Bank	1,20,000		
Plant and Machinery	7,00,000		
Rent	50,000		
Lightning of Factory	72,000		
Office General Expenses	15,700		
Insurance	13,000		
Office Furniture	1,10,000		
	29,64,200		29,64,200

Additional Information :-

- (a) Stock on 31st December, 2008 were : Raw Materials Rs. 1,62,000; Finished Goods Rs. 1,70,000 and work-in-progress Rs. 70,000.
 (b) Salaries and wages outstanding for December, 2008 were Rs. 8,000 and Rs. 12,000 respectively.
 (c) Machinery is to be depreciated by 10% and office furniture by 10%
 (d) Provision for Doubtful Debts should be maintained at the rate of 5% on Debtors.
 (e) Insurance Amounting to Rs. 1,000 are prepaid.

[TURN OVER

Con. 4-VN-5284-09.

2

2. State whether the following items are Capital or Revenue or Deferred Revenue together with brief reasons for your answer :- 16
- Paid Rs. 1,00,000/- as custom duty on the Machinery imported.
 - Furniture worth Rs. 20,000/- destroyed by fire, which was not insured.
 - Goods worth Rs. 30,000/- distributed free amongst the workers on Diwali Pooja day.
 - Commission Rs. 40,000/- received on sales.
 - Received Rs. 4,00,000/- on issue of 10% Debentures.
 - Preliminary Expenses paid Rs. 15,000/-
 - Stock of goods worth Rs. 25,000/- destroyed by fire, which was also not insured.
 - Interest paid Rs. 5,000/- on Bank Overdraft.

3. From the books of M/s. Ketan Chemicals Ltd. the following particulars regarding its machinery Account are available :- 16
- Balance on January 1-2008 Rs. 50,000/-
 - Purchase of Machinery on July 1-2008 Rs. 20,000/-
 - Sales of machinery on October 1-2008 Rs. 16,000/-. The original cost of machinery sold was Rs. 20,000/- on 1st July, 2005.
 - Installation charges of Rs. 4,000/- on the purchase of new machinery on July 1st, 2008.
 - Machinery is being depreciated at 10% per annum on fixed instalment basis.
 - The opening Balance includes Rs. 35,000/- worth machinery purchased on 31st December, 2007.

Prepare machinery account and depreciation account in the books of Ketan Chemicals Ltd. for the year ended 31st Dec., 2008.

4. From the following particulars relating to Vinita Mission Charitable Hospital, prepare Income and Expenditure Accounts for the year ended 31st December, 2008 and Balance Sheet as on that date :-

Receipts and Payments Accounts for the year ended 31-12-2008

Receipts	Rs.	Payment	Rs.
To Cash in hand b/d.	7,130	By Medicines	30,590
To Subscriptions	47,996	By Doctor's Honorarium	9,000
To Donations	14,500	By Salaries	27,500
To Interest on Inv. @ 7% for full year	7,000	By Petty Expenses	461
To Proceeds from charity show	10,450	By Equipments	15,000
		By Expenses on charity show	750
		By Cash in hand C/d.	3,775
	87,076		87,076

Particulars	on 1st Jan., 08 Rs.	31st Dec., 08 Rs.
(a) Subscriptions Due	240	280
(b) Subscriptions Received in Advance	64	100
(c) Stock of Medicines	8,810	9,740
(d) Estimated value of Equipment	21,200	31,600
(e) Buildings (Cost Less dep.)	40,000	38,000

Con. 4-VN-5284-09.

3

5. Mr. Bhopatrao does not maintain proper books of accounts. From the following information, 16 prepare Trading and Profit & Loss Account for the year ended 31st March, 2008 and a Balance Sheet as on that date :-

Assets and Liabilities	1-4-2007 (Rs.)	31-3-2008 (Rs.)
Plant and Machinery	1,40,000	1,40,000
Furniture	10,000	10,000
Stock	44,000	60,000
Debtors	81,000	1,12,500
Creditors	27,000	22,500
6% Investments	50,000	50,000

Analysis of other Transactions :-

Particulars	Rs.
Cash paid to creditors	1,98,000
Cash Received from Debtors	2,73,600
Salaries	54,000
Rent	7,500
Office Expenses	19,000
Drawings	13,500
Additional Capital Introduced	10,000
Cash Sales	35,000
Cash Purchases	25,000
Discount Received	3,150
Discount Allowed	1,350
Return Inward	4,500
Returns Outward	3,600
Bad Debts	900
Cash as on 1-4-2007	20,000

Depreciate Plant and Machinery @ 5% p.a. and Furniture @ 10% p.a. and also provide interest receivable on Investments.

6. A fire on 1st October, 2008 destroyed the stocks of a Taj firm. The business records 16 were saved and from them the following particulars were ascertained.

	Rs.
Stock at cost on April 30, 2007	70,880
Stock on April 30, 2008	60,080
Purchases for the year to April 30, 2008	1,66,160
Sales for the year to April 30, 2008	2,44,000
Purchases from May 1, 2008 to Sept. 30, 2008	59,760
Sales from May 1, 2008 to Sept. 30, 2008	94,400

In valuing the stock on April 30, 2008 Rs. 1,280 had been written off a particular line of goods which had originally cost Rs. 2,880/- and which were sold in June, 2008 for Rs. 2,800. Except as regards this transaction the ratio of gross profit had remained unchanged throughout.

The value of stock salvaged from the fire was Rs. 8,168/-. You are required to calculate the amount of the claim to be presented to the insurance company in respect of the loss of stock.

[TURN OVER

Con. 4-VN-5284-09.

4

16

7. Jackson Departmental Stores has two departments :
Dept. A for Sport equipments and Dept. B for Musical instruments :
Following information is given regarding the transactions for the year 2008 :-

		Rs.
Opening Stock :	Dept. A	42,000
	Dept. B	34,000
Purchases :	Dept. A	2,56,000
	Dept. B	1,94,000
Sales :	Dept. A	4,30,000
	Dept. B	3,74,000
Return Inwards :	Dept. A	10,000
	Dept. B	14,000
Wages		45,000
Salaries		40,000
Advertisement expenses		26,000
Insurance Charges		3,800
Rent and Taxes		36,000
Electricity Charges		40,000
Bad Debts		3,900
Carriage Inwards		9,000
Discount allowed		3,250
Discount received		2,250
Office and General expenses		21,000

Additional Information :-

- Closing Stock of Dept. A was Rs. 54,000/- and Dept. B was Rs. 40,000/-
- Insurance was taken for stock of goods on the basis of opening stock of each department.
- Dept. A occupies half of the space than Dept. B whereas the electricity consumption on Dept. A was 50% more than that of Dept. B.
- Wages are incurred in proportion of purchases of each department where as, both the departments employ same number of employees in the office.
- Office and general expenses to be apportioned to Dept. A and Dept. B in the ratio of 2:1 respectively.
- During the year, the goods costing Rs. 15,000/- transferred to Dept. A from Dept. B, not considered above.

Prepare departmental Trading and Profit & Loss A/c for the year ended 31st December, 2008.

8. A Head Office in Mumbai has a branch in Khopoli to which goods are invoiced by the Head Office at cost price plus 25%. All cash received by the branch is remitted to Head Office. All expenses are paid from Head Office. From the following particulars, show how the Branch Account will appear in the books of Head Office.

Stock on 1st Jan., 2008 at invoice price	1,250	
Debtors on 1st Jan. 2008	1,200	
Goods Invoiced from H.O. (at Invoice Price)	4,000	
Remittances to Mumbai		
Cash Sales	1,600	
Collection from Debtors	<u>2,950</u>	4,550
Goods Returned to the H.O.		240
Cheques received from H.O. for		
Wages & Salaries	1,100	
Rent, Rates etc.	300	
Sundry Expenses	<u>50</u>	1,450
Stock on 31st December, 2008 at invoice price		1,500
Debtors on 31st December, 2008		2,250

9. Write short notes on any four :-

- Disclosure in Final Accounts
- Capital Receipts
- Causes of Depreciation
- Features of Single Entry System
- Debtors System of Branch Accounting
- Receipts and Payment Account.

16

Con. 4(a)-09.

(REVISED COURSE)

VN-5284

(3 Hours)

[Total Marks : 100]

- N.B. :** (1) From **Section-I**, Question Nos. 1 and 2 are **compulsory** and attempt any **one** question from questions No. 3 and 4.
 (2) From **Section II**, Question No. 5 and 6 are **compulsory** and attempt any **one** question from question No. 7 and 8.
 (3) **Figures** to the **right** indicate **full marks**.
 (4) Working notes should form part of your answer.

Section I

1. From the following Trial Balance and the additional information prepare the manufacturing 18
 Account, Trading and P. and L. A/c and the Balance Sheet relating to 2008.

Particulars	Rs.	Particulars	Rs.
Stock on 1-1-08		Sundry Creditors	1,63,000
Raw Material	2,10,000	Bills Payable	75,000
Work-in-progress	95,000	Sale of Scrap	25,000
Finished Goods	1,15,000	Commission	4,500
Sundry Debtors	2,44,000	Provision for Doubtful	
Carriage Inward	15,000	Debts	16,500
Bills Receivable	1,50,000	Capital Accounts	9,00,000
Wages	1,30,000	Sales	17,70,000
Salaries	1,00,000	Bank Overdraft	10,200
Telephone Charges	10,000		
Repairs to Plant	11,000		
Repairs to Furniture	3,500		
Purchases	8,00,000		
Cash at Bank	1,20,000		
Plant and Machinery	7,00,000		
Rent	50,000		
Lightning of Factory	72,000		
Office General Expenses	15,700		
Insurance	13,000		
Office Furniture	1,10,000		
	29,64,200		29,64,200

Additional Information :-

- (a) Stock on 31st December, 2008 were : Raw Materials Rs. 1,62,000; Finished Goods Rs. 1,70,000 and work-in-progress Rs. 70,000.
 (b) Salaries and wages outstanding for December, 2008 were Rs. 8,000 and Rs. 12,000 respectively.
 (c) Machinery is to be depreciated by 10% and office furniture by 10%
 (d) Provision for Doubtful Debts should be maintained at the rate of 5% on Debtors.
 (e) Insurance Amounting to Rs. 1,000 are prepaid.

[TURN OVER

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2. State with reasons whether following statements are **True or False** :- 16
- There is a need to disclose change in accounting policies
 - Fixed Instalment method of depreciation is also known as original cost method.
 - Fixed assets are not held for sale in the normal course of business.
 - Wages paid for erection of new machinery are debited to machinery account.
 - Prepaid expenses are revenue expenses.
 - Outstanding expenses need not be provided.
 - Carriage inward should be deducted from sales.
 - Subscription received in advance in an asset.
3. From the books of M/s. Ketan Chemicals Ltd. the following particulars regarding its machinery Account are available :- 16
- Balance on January 1-2008 Rs. 50,000/-
 - Purchase of Machinery on July 1-2008 Rs. 20,000/-
 - Sales of machinery on October 1-2008 Rs. 16,000/-. The original cost of machinery sold was Rs. 20,000/- on 1st July, 2005.
 - Installation charges of Rs. 4,000/- on the purchase of new machinery on July 1st, 2008.
 - Machinery is being depreciated at 10% per annum on fixed instalment basis.
 - The opening Balance includes Rs. 35,000/- worth machinery purchased on 31st December, 2007.
- Prepare machinery account and depreciation account in the books of Ketan Chemicals Ltd. for the year ended 31st Dec., 2008.
4. From the following particulars relating to Vinita Mission Charitable Hospital, prepare Income and Expenditure Accounts for the year ended 31st December, 2008 and Balance Sheet as on that date :- 16

Receipts and Payments Accounts for the year ended 31-12-2008

Receipts	Rs.	Payment	Rs.
To Cash in hand b/d.	7,130	By Medicines	30,590
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To Interest on Invt. @ 7% for full year	7,000	By Petty Expenses	461
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		By Expenses on charity show	750
		By Cash in hand C/d.	3,775
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Particulars	on 1st Jan., 08 Rs.	31st Dec., 08 Rs.
(a) Subscriptions Due	240	280
(b) Subscriptions Received in Advance	64	100
(c) Stock of Medicines	8,810	9,740
(d) Estimated value of Equipment	21,200	31,600
(e) Buildings (Cost Less dep.)	40,000	38,000

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7

Section II

5. Mr. Bhopatrao does not maintain proper books of accounts. From the following information, prepare Trading and Profit & Loss Account for the year ended 31st March, 2008 and a Balance Sheet as on that date :- 18

Assets and Liabilities	1-4-2007 (Rs.)	31-3-2008 (Rs.)
Plant and Machinery	1,40,000	1,40,000
Furniture	10,000	10,000
Stock	44,000	60,000
Debtors	81,000	1,12,500
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Analysis of other Transactions :-

Particulars	Rs.
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Cash Sales	35,000
Cash Purchases	25,000
Discount Received	3,150
Discount Allowed	1,350
Return Inward	4,500
Returns Outward	3,600
Bad Debts	900
Cash as on 1-4-2007	20,000

Depreciate Plant and Machinery @ 5% p.a. and Furniture @ 10% p.a. and also provide interest receivable on Investments.

6. State whether the following statements are **True** or **False**, justify your answer :- 16
- Purchase Journal is used for recording all transactions of credit purchases of goods only.
 - Debtors account is prepared for ascertaining credit sales.
 - Selling price is not taken into consideration while preparing stores ledger.
 - Bad debts are credited to sundry debtors account.
 - Carriage outward should be allocated among the departments in the ratio of sales.
 - E-commerce has made it possible to buy and sell goods on line.
 - Closing stock is always valued at cost price or market price, whichever is less.
 - Departmental accounts are necessary for evaluating departmental efficiency.

Con. 4(a)-VN-5284-09.

8

16

7. Jackson Departmental Stores has two departments :
Dept. A for Sports equipments and Dept. B for Musical instruments :
Following information is given regarding the transactions for the year 2008 :-

		Rs.
Opening Stock :	Dept. A	42,000
	Dept. B	34,000
Purchases :	Dept. A	2,56,000
	Dept. B	1,94,000
Sales :	Dept. A	4,30,000
	Dept. B	3,74,000
Return Inwards :	Dept. A	10,000
	Dept. B	14,000
Wages		45,000
Salaries		40,000
Advertisement expenses		26,000
Insurance Charges		3,800
Rent and Taxes		36,000
Electricity Charges		40,000
Bad Debts		3,900
Carriage Inwards		9,000
Discount allowed		3,250
Discount received		2,250
Office and General expenses		21,000

Additional Information :-

- Closing Stock of Dept. A was Rs. 54,000/- and Dept. B was Rs. 40,000/-
- Insurance was taken for stock of goods on the basis of opening stock of each department.
- Dept. A occupies half of the space than Dept. B whereas the electricity consumption on Dept. A was 50% more than that of Dept. B.
- Wages are incurred in proportion of purchases of each department where as, both the departments employ same number of employees in the office.
- Office and general expenses to be apportioned to Dept. A and Dept. B in the ratio of 2:1 respectively.
- During the year, the goods costing Rs. 15,000/- transferred to Dept. A from Dept. B, not considered above.

Prepare departmental Trading and Profit & Loss A/c for the year ended 31st December, 2008.

8. The Balance sheet of Radhika as on 1st December, 2008, contained only the following items :- 16

Liabilities	Rs.	Assets	Rs.
Capital	1,90,000	Cash	15,000
Loans	3,00,000	Stock	18,000
Bills Payable	22,000	Debtors	22,000
Creditors	40,000	Furniture	10,000
O/s Expenses	18,000	Bills receivable	15,000
		Land	2,00,000
		Building	1,50,000
		Machinery	1,40,000
	5,70,000		5,70,000

During the month of December, 2008 following transactions took place :-

- Paid Rs. 10,000/- to Creditor
- Cash Received from Debtor Rs. 12,000/-
- Sold goods worth Rs. 20,000/- to Debtors on credit
- Cash paid for carriage Rs. 2,000/-
- Purchased goods on account from creditors Rs. 14,000/-
- Introduced additional capital of Rs. 10,000/-
- Rs. 3,000/- paid as Interest on Loan
- Cash sales of Rs. 5,000/-

Prepare necessary ledger accounts for the above and draw a Trial Balance as on 31-12-2008.