

1st sem
1 MBA - 3 years

(A)

I(5Yr)-IMBA(DDCE) —
1 - MCP

2011

Time : As in Programme

Full Marks : 70

The questions are of equal value.

*Answer **all** questions.*

1. Management is acquisition, utilisation and development of physical and human resources for achieving organisational objectives. Describe.

OR

Describe the principles of management under Modern Approach of Management.

2. Describe the role of planning in managing the organisation and its relationship with other managerial functions.

OR

Highlight on types of decision made in an organisation.

YT - 25/2

(Turn over)

3. Describe the types of organisation based on structure.

OR

What is a matrix organisation ? Describe its advantages and disadvantages.

4. Highlight on the process of coordination and its importance for an organisation.

OR

Describe the tools and techniques of controlling.

5. Discuss the contemporary trends of management.

OR

Highlight on the challenges for business organisation due to globalisation.



I(5Yr)-IMBA(DDCE) —
2 – Eng (1)

2011

Time : As in Programme

Full Marks : 70

The questions are of equal value.

*Answer any **five** questions.*

1. Non verbal communication is support to verbal Communication. Discuss.

OR

What role does body language plays in Communication ?

2. Read the passage carefully and answer the following questions :

In 1951, a white tiger cub was captured in the forests of Rewa State, in Rajasthan. Before this, on one had reported the existence of white tigers, but today, they can be seen in many zoos around the world and they attract a lot visitors,

YT – 24/3

(Turn over)

especially children, because of their unusual appearance. Many people think that the white tiger belongs to a different species from the ordinary Bengal Tiger, which has a bright-orange coloured coat with black stripes, but in fact, they belong to the same species. Sometimes, a pair of ordinary tigers will produce a pair of white cubs. This is a very rare event and happens only once in approximately 10,000 births. The white colour of the offspring is due to some changes in the genes of the parents. White tigers have pink noses and white or cream coloured fur with black, grey or chocolate coloured stripes. Their eyes are usually blue, but may be green or amber. There are around 600 white tigers in the world. White tigers have always been extremely rare in the wild and have only been spotted in India. The reason why they are so rare is that white colour makes for the poor camouflage when the tiger is hunting or hiding.

Questions :

- (a) Which was the first reported instance of a white tiger ?

YT - 24/3

(2)

Contd.

- (b) Describe the white tiger in detail.
(c) How can we explain the fact that some tigers are white ?
(d) Why are white tigers so rare ?
(e) In which parts of the world are white tigers found ?
(f) Explain the word "camouflage".
(g) Suggest a title for the passage.

3. Write a paragraph on any one of the following :

- (a) My goal in life
(b) Global Warming
(c) Brain drain

4. Assume that you acted as the Secretary for the meeting held to discuss about the recent flood victims of Orissa. Prepare a welcome speech.

OR

As the President of the student's Union, prepare an Inaugural address on the occasion of your college Annual Function.

YT - 24/3

(3)

(Turn over)

5. You wish to book your ticket in the railway counter. Draft a dialogue between you and the railway clerk.

OR

Describe the process of making tea to a young student. Make use of polite expressions.



2011

Time : As in Programme

Full Marks : 70

The figures in the right-hand margin indicate marks.

Answer any five questions.

1. (a) Rana buys 500 chairs and sells 250 chairs at a gain of 5%, 200 chairs at a gain of 15% and rest at a gain of 20%. If he had sold all the chairs at 15%, he would have gained Rs. 50 more. Find the cost of chair.
(b) The price of a philips radio is Rs. 1,500 and is available at 2 successive discount of 30% and 20%. Calculate the selling price of the radio. 7+7 = 14
2. (a) Rama, Shyam and Brundaban enter into partnership. Rama advances Rs. 1,400 for 4 months, Shyam Rs. 1,600 for 8 months and Brundaban Rs. 1,000 for 10 months. They

gain Rs. 685 altogether. Find the share of each.

- (b) A certain sum at simple interest becomes Rs. 2,820 in two years and Rs. 4,250 in 5 years. Find the principal and interest present per annum.

$$7+7 = 14$$

3. (a) Rama borrowed Rs. 25,220 from a bank to be repaid in 4 equal instalments. Find each instalment paid by him if the rate of interest is 6% at compound interest.

- (b) A sum was lent at C.I. for 2 years at 10% p.a. If the interest is added half yearly then Rs. 682 are received more. Find the sum.

$$7+7 = 14$$

4. (a) Find the difference between S.I and C.I on Rs. 18,000 at 6% p.a at the end of 2 years, if the interest is calculated half yearly.

- (b) Define function. The total cost in rupees for producing x units of a product is given by $C(x) = 200x\sqrt{x} + 400$. Find the cost of

YT-23/5

(2)

Contd.

producing 16 units and 150 units of the product.

$$7+7 = 14$$

5. M/s Saraswati Book Agency, Bhubaneswar invoice the following goods to M/s A. K. Mishra Agency, Cuttack in response to their order No-3.12.09.

Quantity	Articles	Price	Discount
3 dozens	Pencils	Rs. 20	10%
3 dozens	Scales	Rs. 40	20%
10 Reams	Paper	Rs. 250	10%
50 Pcs	Pen	Rs. 35	5%
5 dozens	CD	Rs. 120	5%

Prepare an invoice and find the net amount payable, if it is made within 20 days, where the terms are : cash 5, 3/10, 2/10 and 3/30.

14

6. (a) Verify De Morgan's law with giving suitable example.

- (b) In a class, of 50 students, 15 students have taken Sociology, 10 have taken Pol.Sc. but not Economics. Find the number of students

YT-23/5

(3)

(Turn over)

who have taken Economics and Sociology
and those who have taken Economics but
not Pol.Sc. $7+7 = 14$

7. (a) Solve $\log(x+1) + \log(x-1) = \log 3$.

(b) Solve $\frac{\log 32}{\log 4} = x$.

(c) Solve $\log 3x - \log 2 = \log 27$.

(d) If $3^x = 2$, find the value of x . 14

8. Evaluate: $3\frac{1}{2} \times 4 = 14$

(a) $\lim_{x \rightarrow 5} \frac{x^2 - 8x + 15}{x - 5}$

(b) $\lim_{x \rightarrow 3} \frac{x^2 - 9}{\sqrt{x^2 + 7} - 4}$

(c) $\lim_{x \rightarrow \alpha} \frac{3x^3 - 2x^2 + 4x}{2x^3 - 8x + 6}$

(d) $\lim_{x \rightarrow 3} \frac{|x|}{x}, x \neq 0$.

9. (a) Show that $f(x) = 3x^2 + 2x - 1$ is continuous for $x = 2$.

- (b) Discuss the continuity of the function at $x = 3$.

$$f(x) = \frac{x^2 - 9}{x - 3} \text{ for } x < 3$$

$$6 \text{ for } x = 3$$

$$x - 2 \text{ for } x = 3$$

- (c) Prove that the function $f(x) = \frac{|x|}{x}$ for $x \neq 0$ and

$$f(0) = 0 \text{ is continuous at all point except } x = 0.$$

$$4+5+5 = 14$$

10. Write short notes of the following : $2 \times 7 = 14$

- (a) One one function
- (b) Many one function
- (c) On to function
- (d) In to function
- (e) Inverse mapping
- (f) Linear function
- (g) Quadratic function



2011

Time : As in Programme

Full Marks : 70

The questions are of equal value.

*Answer **all** questions.*

1. Critically evaluate the role of experimental method in conducting systematic research.

OR

Describe the structure and functions of a neuron.

2. What do you mean by perceptual organisation ?
Discuss different principles involved in perceptual organisation.

OR

What do you mean by Operant Conditioning ?
Discuss the basic principles of Operant Conditioning.

3. How does forgetting take place ? Discuss different causes of forgetting.

OR

What do you mean by thinking ? Explain concepts, propositions and images as basic elements of thought process.

4. Define motivation. Discuss different theories of motivation.

OR

Intelligence is the product of both heredity and environment. Justify the statement.

5. What do you mean by attribution ? Discuss some basic sources of bias in attribution.

OR

What is interpersonal attraction ? Discuss different factors that affect interpersonal attraction.



I(5Yr)-IMBA(DDCE) —
5 – CF

2011

Time : As in Programme

Full Marks : 40

The figures in the right-hand margin indicate marks.

*Answer any **five** questions.*

1. Why computer is called as Information system ?
Explain the different characteristics and function
of a computer. 8
2. What is memory ? Explain different types of
memory in detail. 8
3. Write the different generation of computer in
detail. 8
4. What is Internet ? Explain the advantages and
disadvantages of Internet in detail. 8
5. What is Virus ? Explain the characteristics of
virus. Give some example of antivirus and their
role. 8

6. What is DOS ? Write the difference between External Command and Internal Command. Give three examples of each. 8

7. Convert the following : $2 \times 4 = 8$

(a) $(1935.60)_{10} = (\text{---})_{16} ?$

(b) $(3675.43)_8 = (\text{---})_2 ?$

(c) $(96\text{ BC.A5})_{16} = (\text{---})_8 ?$

(d) $(1011111001011.1100)_2 = (\text{---})_{10} ?$

8. Write short notes on the following : $2 \times 4 = 8$

(a) CPU

(b) Super computer

(c) Cache memory

(d) ALU

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