

This question paper contains 8+2 printed pages]

HPAS (M)—2015

MANAGEMENT

Paper I

Time : 3 Hours

Maximum Marks : 150

Note :— Attempt Five questions in all. Solve any two questions from Section I. Solve at least one question from each Section II and III. Question Number 1 is compulsory question. All questions carry equal marks.

1. Compulsory Question :

- (a) We have two types of deformed dice. On half of them; an ace (or one dot) comes up 30% of time *i.e.* $P(\text{ace}) = 0.3$. On the other half, ace comes 60% of time *i.e.* $P(\text{ace}) = 0.6$ let us call the former type 1, and the other type 2. One die is drawn,

P.T.O.

rolled once, and comes up with ace. What is the probability that it is type 1 die ? 15

(b) From the following data, calculate coefficient of correlation between X and Y series :

	Series X	Series Y
No. of pairs of observations	15	15
Arithmetic average	25	18
Standard deviation	3	3.03
Products of deviation from respective means of X and Y series		= 122

15

Section I

2. (a) "Individually each employee is good and pro-organisation. The problem starts when he

becomes the part of Group having diversified background and interest, at times not so in line with organisation's interest." Explain the statement.

How would you be able to create a harmonious organisation by decoding psychological and social factors of the group ? 20

(b) Explain :

(i) Unity of command and unity of direction

(ii) Span of control. 2×5=10

3. (a) "To motivate and lead members of the team for common goal is a prime task of a leader." Illustrate the statement. Also, explain what type of theory of leadership would you apply and

implement in case of :

(a) Illiterate but performing group

(b) Literate but overly right cautious

(c) Diversified linguistic group. 20

(b) Explain motivation process in a Government organisation where time bound, ACR based and rules dominated promotion are in operation. 10

4. (a) "Conflicts advocate presence of diverse views therefore conflicts need to be managed not to be avoided." Explain while discussing suitable conflict management approach in case of :

(i) Political supported union,

(ii) Voluntary association

(iii) NGO outfit.

20

(b) Explain :

Emerging issues in MIS. 10

5. (a) "The change is constant. Organisation is no exception to this." If you agree with the statement then highlight factors responsible for 'resistance to change' and your strategy, to over 'resistance in an FMCG'. 20

(b) Explain the main points of Herzberg Vs. McGregor theory. 10

Section II

6. (a) Examine implications of fiscal policy in reference to keep 'fiscal deficit at 3.5% of CIDP'. Do you think that our fiscal policy has been able to achieve the goal of FRBM Act ? If no, find out the grey areas and policies to contain and control them. 20

(b) 'GST has almost been cleared by Parliament.

It is said to be a landmark step towards reforms.' Explain the statement. 10

7. "The Government of India has been striving very hard to promote Exports thru incentives, conducive Exim policies yet India's share in global trade is not even 1% of total global volume." What do you think that where we have gone wrong ? Examine. 30

8. (a) "The GDP numbers are impressive. The Government takes credit in improving the economy but real scence is different in respect of price-rise, inflation, slow industrial output, increasing unemployment." What do you infer from the above statement ? Do you think that we have grown or not in recent time ?

Examine.

20

- (6) RBI's role in inflation control and interest rate mechanism. Discuss. 10

Section III

9. (a) Given the bivariate data :

X	Y
1	6
5	1
3	0
2	0
1	1
1	2
7	1
3	5

(i) Fit the regression line of Y on X and hence predict Y , if $X = 10$.

(ii) Fit the regression line of X on Y and hence predict X , if $Y = 2.5$. 15

(b) A businessman has two independent investments A and B available to him but he lacks the capital to undertake both of them simultaneously. He can choose to take A first and then stop. Or if A is successful then take B or vice-versa. The probability of success on A is 0.7 , while for B , it is 0.4 . Both investments require an initial capital outlay of Rs. $2,000$ and both return nothing if the venture is unsuccessful. Successful completion of

A will return Rs. 3,000 (over cost) and successful completion of B will return Rs. 5,000 (over cost). Draw decision tree and determine the best strategy. 15

10. (a) Solve the following LPP by simplex method :

$$- Z = 5x_1 + 4x_2 + 3x_3$$

Subject to :

$$x_1 + x_2 + x_3 = 100$$

$$x_1 \leq 20$$

$$x_2 \geq 30$$

$$x_3 \leq 40$$

and $x_1, x_2, x_3 \geq 0$.

20

P.T.O.

(b) Two players R & C have one coin each. After a signal each of them exposes the coin. Player R wins a unit when there are two heads, wins nothing when there are two tails and loses $1/2$ unit when there is one head and 1 tail. Determine payoff matrix and the best strategies for each player and the value of the game.

10