| Day: | Monday | | Time: 02.30 PM TO 05.30 PM |
|---|---|---|---|
| Date: | 19/11/2018 | **W-2018-2331** | Max Marks: 100 |

**N.B.:**

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Answer to both sections should be written in **SAME** answer book.

## SECTION-I
### Aptitude (Math's, Logical reasoning)

**Q.1** Solve the following question: (16)

a) Find the simple interest on Rs 8,000 for 4 years at 10% p.a. rate of interest?

b) A sum was put at a simple interest at a certain rate for 4 years. Had it been put at 3% highest rate it would have fetched Rs 720 more, find the principal?

c) The difference between the compound interest and the simple interest at 12% p.a. for two years is Rs 90. What will be the value of the amount at the end of 3 years?

d) Rs 5887 is divided between Shyam and Ram such that shyam's share at the end of 9 years is equal to Ram's share at the end of 11 years compounded annually at the rate of 5% find the share of Shyam.

e) Rs 1170 is divided so that 4 time the first share, thrice the $2^{nd}$ share and twice the third share amount to the same what is valve of the third share?

f) The ratio of two numbers is 2:3 and the sum of their cubes is 945. The difference of number is?

g) The smallest ratio out of 1:1, 2: 1, 1:3, and 3:1, is?

h) Rs 160 contained in a box consist of the rupee 50 paisa and 25 paisa coins in the ratio 4:5:6 what is the number of 25 paisa coins?

**Q.2** Solve the following questions: (08)

a) The proportion of milk and water in 3 sample is 2:1 3:2 and 5:3. A mixture comprising equal quantities of all 3 sample is made, The proportion of milk and water in the mixture is.

b) A can contains 30 liters of juice from this container 5 liters of juice was taken out and replaced by water. This process was repeated further two times. How much juice is now contained by the container?

c) Dhal worth Rs110 per kg and Rs 95 per kg is mixed with a third variety in the ratio 1: 1:2. If the mixture is worth Rs 115 per kg, the price of the third variety per kg will be.

d) 8 kg of rice costing Rs 16 per kg is mixed with 4 kg of rice costing Rs 22 per kg. What is the average price of the mixture?

**P.T.O.**

**Q.3** Study the following table and answer the questions based on it **(10)**
Expenditure of a company (in pesetas) per annum over the given years

| Years | Item of expenditure | | | | |
|---|---|---|---|---|---|
| | Salary | Fuel and Transport | Bonus | Interest on loans | Taxes |
| 1998 | 288 | 98 | 3.00 | 23.4 | 83 |
| 1999 | 342 | 112 | 2.52 | 32.5 | 104 |
| 2000 | 324 | 102 | 3.84 | 41.6 | 74 |
| 2001 | 336 | 133 | 3.68 | 36.4 | 88 |
| 2002 | 420 | 142 | 3.96 | 49.4 | 98 |

**1)** What is the average amount of interest per year which the company had to pay for all periods?

**2)** The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary?

**3)** Total expenditure on all these items in 1998 was approximately what percent of total expenditure in 2002

**4)** The total expenditure of the company over all the items during the year 2000' is?

**5)** The ratio between the total expenditure on taxes for all the years and the total expenditure on fuel and transport for all the years respectively is approximately?

**Q.4** Here you are given a question and a set of statements you have to find which **(06)** of the given statements is required to reach the answer.
Answer options:-
  E) Statement alone is sufficient
  F) Statement II alone is sufficient
  G) Both statement I and II together are sufficient
  H) Both statements I and II together are not sufficient

**i)** Is ab positive?
Statement –I : $(a+b)^2 \angle (a-b)^2$ is an integer
Statement – II : $a = b$

**ii)** How many of the no X.Y. and 2 are positive if each of these numbers is less than 10?
Statement –I : X+Y+Z= 20
Statement –II : X+Y= 40

**iii)** How is X related to Y?
Statement –I :Y and Z are children of D, who is wife of X
Statement –II : R's sister X is married to Y's father

## SECTION-II
### (Verbal Ability)

**Q.5**    Spot the errors from the given sentences and rewrite it correctly.   **(10)**

**1)** a) Respectively I beg to state that b) I am suffering from fever c) for the past fortnight d) no error

**2)** a) He said that he b) will mind if c) I refused his offer d) no error

**3)** a) Both of you b) can come with me c) to the play tonight d) no error

**4)** a) While walking slowly in the park b) on a quiet summer afternoon c) a mad dog suddenly attacked him from behind d) no error

**5)** a) She is b) no longer popular as she has c) a friends d) no error

**6)** a) Supposing if b) there is no bus c) how will you get there d) no error

**7)** a) May I b) know who you want c) to see please d) no error

**8)** a) Were you b) given a choice c) or you had to do it d) no error

**9)** a) It is time b) we did something c) to stop road accidents d) no error

**10)** a) I was there b) many a time c) in the past d) no error

**Q.6**    Write down the meaning of each phrase and frame a sentence for each one   **(10)**

a) Rank and file        b) Out of the wood
c) At one's wits end       d) under his thumb
e) Read between the lines    f) To eat humble pie
g) Put the cart before the horse   h) In high spirit
i) Leave one in the lurch     j) Leave no stone unturned

## SECTION-II         **(10)**
### (English Communication)

**Q.7**    Using the following phrase, write an email to the customer Mr.Gill Roy explaining delay in the project.

Payment processing system-schedule – 10$^{th}$ may (Friday)-Unexpected power outage-3days –overall delay – 7 days –includes recovery of lost work- will not recur.

**Q.8**    What are the dos and don'ts of email writing? Elucidate with examples.   **(10)**

## SECTION-II
### (Soft skills)

**Q.9**    Write the answer of the following questions:

**a)** What are the different types of business negotiations? State with its importance in business.   **(05)**

**b)** "Leadership is not only a science and an art but also was rational and emotional properties". State you reasoning for the above statement.   **(05)**

**c)** Elaborate the difference between leadership and management.   **(05)**

**d)** State the various ways of developing positive attitude.   **(05)**

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