

**B.TECH. SEM -IV (CHEMICAL/ CIVIL/ ELECTRICAL/ MECHANICAL/
PRODUCTION/ COMPUTER/ INFO. TECH./ ELECTRONICS / BIO MEDICAL /
E & TC) 2014 COURSE (CBCS) : WINTER- 2017**

SUBJECT: PROFESSIONAL SKILL DEVELOPMENT – IV

Day: **Saturday**
Date: **25/11/2017**

W-2017-2067

Time: **02.30 PM TO 05.30 PM**
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 **SEPARATE** answer books.

SECTION – I

Aptitude (Maths, Logical reasoning)

- Q.1** If simple interest on a sum at the rate of 10% amounts to Rs. 4,000 in 4 years. (02)
What will be the sum?
a) Rs. 9,000 b) Rs. 10,000 c) 11,000 d) Rs. 12,000
e) None of these
- Q.2** The simple interest in a certain sum at a certain rate in 3 years is Rs. 78 and (02)
the compound interest in 2 years is Rs. 53.04 find the rate.
a) 5% b) 3% c) 6% d) 4.5%
- Q.3** Three persons A, B and C distribute Rs. 2,600 in the ratio of 11:18:23. What (02)
is the share of B?
a) Rs. 600 b) Rs. 900 c) Rs. 1100 d) Rs. 1500 e) Rs. 2000
- Q.4** If the shadow of the pole is 15m, then then length of the pole is 6m. What (02)
will be the length of the pole when the shadow is 25m long?
a) 15m b) 12m c) 10m d) 20m e) None of these
- Q.5** If 12 men can finish a work in 20 days, then in how many days 15 men will (02)
complete that work?
a) 15 b) 12 c) 18 d) 20 e) None of these
- Q.6** The table given below shows production of five types of cars by a company (10)
in the years 1989 to 1994 study the table and answer questions

Production of cars by a Company

Year →	1989	1990	1991	1992	1993	1994	Total
Type of cars ↓							
P	8	20	16	17	21	6	88
Q	16	10	14	12	12	14	78
R	21	17	16	15	13	8	90
S	4	6	10	16	20	31	87
T	25	18	19	30	14	27	133
Total	74	71	75	90	80	86	476

- i) In which years the production of cars of all types taken together was approximately equal to the average of the total production during the period (1989 – 94) ?
a) 1989 b) 1991 c) 1993 d) 1994
- ii) In which year the total production of cars of types P and Q together was equal to the total production of cars of types R and S together?
a) 1990 b) 1991 c) 1994 d) None of these
- iii) During the period 1989 – 94, in which type of cars was a continuous increase in production?
a) P b) Q c) R d) S

P.T.O.

- iv) The production of which type of cars was 25% of the total production of all types of cars during 1993?
a) S b) R c) Q d) P
- v) The percent increase in total production of all types of cars in 1992 to total in 1991 was?
a) 15 b) 20 c) 25 d) 30

Q.7 Read the following information carefully and answer the question below it **(05)**

A family consists of six members P,Q,R,X and Z.Q is the son of R but R is not mother of Q. P and R are a married couple. Y is the brother of R. X is the daughter of P. Z is the brother of P.

- i) Who is the brother in law of R?
a) P b) Z c) Y d) X
- ii) Who is the father of Q?
a) R b) P c) Z d) None of these
- iii) How many children does 'P' have?
a) One b) Two c) Three d) Four
- iv) How is Q related to X?
a) Husband b) Father c) Brother d) Uncle
- v) Which is a pair of brothers?
a) P and X b) P and Z c) Q and X d) R and Y

Q.8 Complete the services **(05)**

- i) HUA, GTZ, FSY, ERX ?
a) DWQ b) DQW c) WDQ d) WQD
- ii) DF, GJ, KM, NQ, RT ?
a) UW b) YZ c) XZ d) UX
- iii) DCXW, FEVU, HGTS ?
- iv) 4, 5, 9, 18, 34 ?
a) 59 b) 50 c) 43 d) 52
- v) 2, 5, 12, 27, 58 ?
a) 73 b) 91 c) 116 d) 121 e) None of these

Q.9 Read the following information carefully and answer the question below **(10)**

Δ Means is greater than ; % means is lesser than; \square means is equal to ; = means is not equal to ; + means is a little more than; X mean is a little less than.

- i) If $a \Delta b$ and $b + c$ then
a) $a \% c$ b) $c \% a$ c) $c + a$ d) can't say
- ii) If $c = a$ and $a = b$ then
a) $b \Delta a$ b) $c \square a$ c) $b = a$ d) can't say
- iii) If $a \times b$ and $b \square c$, then,
a) $c + a$ b) $b \Delta c$ c) $a + c$ d) $c \square a$
- iv) If $c \% b$ and $b \times a$ then
a) $a \Delta c$ b) $c \square a$ c) $b \Delta c$ d) $c \Delta a$
- v) If $ac + bc$ then
a) $a \square c$ b) $b \Delta c$ c) $c \Delta b$ d) $b \% a$

SECTION – II
(Verbal Ability)

Q.10 Choose the word that is closet in meaning to the word provided? **(05)**

- | | | |
|-------------|---------------|-----------------|
| 1) Graceful | 2) Meditative | 3) Peiorative |
| a) Pretty | a) Oppressed | a) Arduous |
| b) Clever | b) Caged | b) Disparaging |
| c) Pleasant | c) thoughtful | c) Exorbitantly |
| d) Present | d) Happy | d) Extrovert |

P.T.O.

- 4) Feign
 a) Excite
 b) Imitate
 c) Trick
 d) Apelike
- 5) Allocation
 a) Divide
 b) decide
 c) Cut
 d) Squabble

Q.11 Choose the antonym of the following words? **(05)**

- i)** Invective
 a) Willing compliance b) normality c) Restoration d) laudatory words
- ii)** Abusive
 a) Decent b) Savage c) Major d) Volatile
- iii)** Opportunist
 a) Expedient b) Fatalist c) Fledgling d) Inexpedient
- iv)** Ruthless
 a) Benevolent b) Obliging c) Merciful d) Affectionate
- v)** Ambiguous
 a) Confusing b) Lucid c) desirous d) Obfuscate

Q.12 Find out which pair of words can be filled up in the blanks in the sentence in the same sequence to make the sentence meaningful by complete. **(10)**

- i)** Workers in earlier days were ----- because of which the industries ----- a lot.
 a) honest, lost b) rich, flourished c) autocrats, developed d) inefficient , suffered
- ii)** The speaker's ----- over his subject was seen through his ----- discourse
 a) mastery, fluent b) efficiency, through c) lethargy , dull
 b) grip, boring
- iii)** The judge ----- him because he was found ----- on the basis of the evidence.
 a) acquitted, criminal b) sentenced, innocent c) punished, guilty
 d) pardoned, innocent
- iv)** The other servants had to ----- since, Ramu alone ----- all the food
 a) leave, prepared b) eat, cooked c) wait, Spoiled d) starve, consumed
- v)** If you do not ----- all your monthly expenses would ----- your income
 a) spend, gain b) save, outwit c) economies, exceed d) think, swallow.

SECTION - III
(English Communication)

Q.13 Write a job application with the help of following advertisement **(10)**

Wanted
 Marketing Manager
 Essential Requirement -- M.B.A. 5 years Experience in marketing
 command over English, computer literacy Apply to
 Tata Moters LTD
 Pune - 415305

Q.14 Write an email for inviting the members of the board of directors to attend the meeting at the registrar's office of the company Use appropriate format of email writing **(10)**

SECTION - IV
(Soft skills)

Q.15 According to you what are the major causes of conflict that mainly accures in corporate sector? **(05)**

Q.16 What precautions one should take while doing the formal conversation on telephone? **(05)**

Q.17 What is difference between leadership and management? Give five traits of each in the context of corporate domain.

Q.18 What do you understand by The Time Management? Explain its importance as a being professional?