

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

SUBJECT : PROFESSIONAL SKILLS DEVELOPMENT - VI

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

W-2017-2181

Time : **10.00 AM TO 01.00 PM**
Max. Marks : 100

N.B.:

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

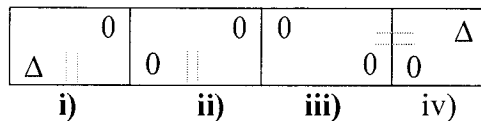
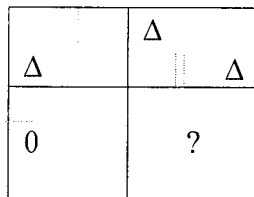
SECTION – I
[Quantitative Aptitude & Logical Reasoning]

- Q.1**
- a) There are 6 candidates for 3 posts. In how many ways can the posts be filled? [02]
i) 120 ii) 130 iii) 100 iv) 130
 - b) There are 15 buses running between Delhi and Mumbai. In how many ways can a man go to Mumbai and return by a different bus? [02]
i) 280 ii) 310 iii) 240 iv) 210
 - c) How many different numbers of two digits can be formed with the digits 1, 2, 3, 4, 5, 6 no digits being repeated? [02]
i) 40 ii) 30 iii) 35 iv) 45
 - d) Ten students are participating in a race. In how many ways can the first three prizes be won? [02]
i) 920 ii) 680 iii) 820 iv) 720
 - e) Four books, one each in Chemistry, Physics, Biology and Mathematics are to be arranged in a shelf. In how many ways can this be done? [02]
i) 12 ii) 36 iii) 24 iv) 48
- Q.2**
- a) Three coins are tossed. Find the probability of all heads. [02]
i) $\frac{1}{6}$ ii) $\frac{1}{8}$ iii) $\frac{1}{4}$ iv) None of these
 - b) Three coins are tossed. Find the probability of no heads. [02]
i) $\frac{3}{8}$ ii) $\frac{1}{8}$ iii) $\frac{1}{2}$ iv) None of these
 - c) A bag contains four black and five red balls. If these balls from the bag are chosen at random, what is the chance that they are all black? [02]
i) $\frac{1}{21}$ ii) $\frac{1}{20}$ iii) $\frac{2}{23}$ iv) $\frac{1}{9}$
 - d) The letter of word 'SOCIETY' are placed in a row. What is the probability that three vowels come together? [02]
i) $\frac{3}{7}$ ii) $\frac{2}{7}$ iii) $\frac{1}{7}$ iv) None of these
 - e) Two dice are thrown together. What is the probability that the sum of number on two faces is neither 9 nor 11? [02]
i) $\frac{1}{6}$ ii) $\frac{5}{6}$ iii) $\frac{2}{3}$ iv) $\frac{1}{2}$

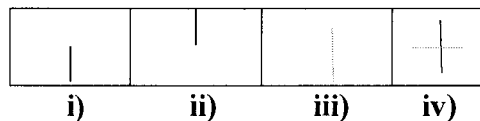
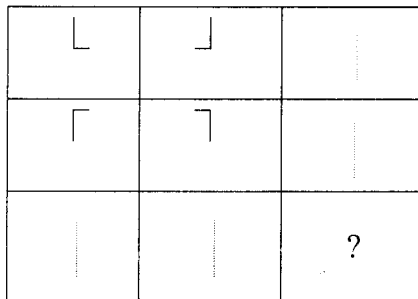
P.T.O.

- Q.3**
- a) My birthday falls after 64 days of my brother's birthday. If my brother's birthday falls on Monday. What will be the day on my birthday? [02]
 i) Tuesday ii) Sunday iii) Saturday iv) Wednesday
- b) If by looking in a mirror it appears that it is 9.30 in the clock, what is the real time? [02]
 i) 4:30 ii) 6:30 iii) 2:30 iv) 6:10
- c) Find the day of the week on 26th Jan, 2012? [02]
 i) Tuesday ii) Thursday iii) Friday iv) Sunday
- d) How many times are the hands of a clock at right angle in a day? [02]
 i) 22 ii) 24 iii) 44 iv) 48
- e) A century is a leap year when it is divisible by [02]
 i) 300 ii) 200 iii) 4 iv) 400

- Q.4**
- a) Among five friends, Manish is longer than Harish but shorter than Jayesh. Jayesh is longer than Vijay and Sharad. Vijay is shorter than Harish but is longer than the shortest. If they are arranged in descending order of length who will be in 4th place? [02]
 i) Manish ii) Harish iii) Sharad iv) Vijay
- b) Select a suitable figure from the four alternatives that would complete the figures matrix. [02]



- c) Select a suitable figure from the four alternatives that would complete the figures matrix. [02]



- d) Which number will replace the question marks? [02]

4	8	20
9	3	15
6	6	?

- e) Letters are written on each face of a cube. The different positions of the cube are shown. Find the missing letter. [02]



- i) S ii) W iii) Y iv) D

- Q.5 Read the following information and answer the questions. The following is an illustration of input and rearrangement: [10]

Input ant real order world sunk India man undo catch eat.

Step I Undo ant real order world sunk India man eat catch.

Step II Undo order ant real world sunk India eat man catch.

Step III Undo order India ant world sunk eat real man catch.

Step IV Undo order India eat ant world sunk real man catch.

And step IV is the last step of the rearrangement. As per the rules followed in the above steps. Find out in each of the following questions the appropriate steps for the given input. Input for the question.

Input – horn simple anger best onto danger moon upto erase into.

- a) Which of the following would be the final arrangement?
 i) Best horn danger moon simple upto onto into erase anger.
 ii) Upto onto into erase anger best danger horn moon simple.
 iii) Upto onto into erase anger simple moon horn danger best.
 iv) Upto onto into erase anger simple danger horn moon best
 v) None of these.
- b) In step III which of the following word be at 6th position from the left?
 i) Moon ii) Anger iii) Simple iv) Horn v) None of these
- c) Which step number would be the following output?
 i) II ii) III iii) V iv) IV v) None of these
- d) In step IV of the rearrangement if onto is related to erase and moon is related to danger in a certain way, which of the following would anger be related to following the same pattern?
 i) Moon ii) Into iii) Simple iv) Horn v) None of these
- e) Which of the following would be step VII?
 i) Upto onto into erase anger simple moon horn danger best
 ii) Upto onto into erase anger moon simple danger horn best
 iii) Upto onto into erase anger best danger horn moon simple
 iv) Upto onto into erase simple anger moon horn danger best
 v) There will be no such step as the input gets rearranged before step VII.

SECTION – II

[English Grammar & verbal Ability]

- Q.6 The sentences given below are incorrect. There are some mistakes in the use of preposition. Correct the sentences by using right prepositions (ANY FIVE): [05]

- a) Don't loiter around the street.
 b) I haven't slept since two days.
 c) After a long walk, I sat under the shade of a banyan tree.
 d) The Himalayas stand in the North of India.
 e) I prefer tea from coffee.
 f) Rohan remains absorbed with his studies these days.

P.T.O.

- Q.7** Each of the following sentences has a word or phrase underlined, choose one word or phrase which should not change the meaning of the original sentences: **[05]**
- a) She is really a Fantastic girl.
 i) Intelligent ii) Skillful iii) Charming iv) Wonderful
- b) Extermination of a race or community by mass murder.
 i) Assassination ii) Genocide iii) Slaughter iv) Holocaust
- c) These essays are intellectually enlightening and represent various level of complexity.
 i) Persistent ii) Superior iii) Modern iv) Revealing
- d) The Prince fell in love with a comely young maiden.
 i) Delightful ii) Pretty iii) Homely iv) Elegant
- e) Dowry is a burning question of the day.
 i) A widely debated issues iii) A relevant problem
 ii) A dying issue iv) An irrelevant issue

- Q.8** Write the meanings of the following pairs of words that are often confusing and use each of them in your own sentences (**ANY FIVE**): **[05]**
- i) Eligible – Legible v) Council – Counsel
 ii) Desert - Dessert vi) Hill – Heal
 iii) Complement – Compliment vii) Disease – Decease
 iv) Beside – Besides

- Q.9** Spot the error part in the following sentences: **[05]**
- a) i) He bought / ii) two dozens / iii) eggs / iv) for Rs. five / v) No Error
- b) i) These people / ii) get their bathing / iii) water from the river and their / iv) drinking water from a large well / v) No Error
- c) i) Peter, great / ii) received the seat of / iii) government / iv) from Moscow to Petersburg / v) No Error.
- d) i) He is working / ii) here off and on / iii) for / iv) five years / v) No Error
- e) i) This man / ii) made / iii) the whole journey / iv) on feet / v) No Error.

SECTION – III
[Soft Skills]

- Q.10** Explain the stress management tips. **[05]**
- Q.11** What is the difference between a C.V. and a Resume? Explain the important contents of a resume. **[05]**
- Q.12** What is group dynamics? Explain the characters tested in a Group Discussion. **[05]**
- Q.13** What are the different types of interview? Explain the reasons for a candidate being rejected in an interview. **[05]**
- Q.14** What is the importance of an e-mail? **[05]**
- Q.15** What is meant by business writing tones? How are these tones important in business correspondence? **[05]**