

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

Day: Wednesday

Time: 10.00 AM TO 01.00 PM

Date: 24/01/2018

W-2017-2021

Max. Marks: 100

N.B:

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

**SECTION-I
(Quantitative Aptitude and Logical Reasoning)**

- Q.1** Number of divisor of 37800, including 1 and itself is. **(02)**
i) 96 ii) 70 iii) 81 iv) None of these
- Q.2** Which of the following numbers are completely divisible by 11? **(02)**
i) 3245682 ii) 283712 iii) 438416 iv) 36894
a) Only I b) Only II c) Only III d) All are divisible
- Q.3** What is largest number or integer that divides all three number 23400, 272304, 205248 **(02)**
i) 48 ii) 24 iii) 96 iv) 72
- Q.4** There are 576 boys and 448 girls in a school that are to be divided into equal sections of either boys or girls alone. Find the minimum total number of sections thus formed. **(02)**
- Q.5** A milkman has three different qualities of milk 403 gallons of 1st quality 465 gallons of 2nd quality and 496 gallons of 3rd quality. Find the least possible number of bottles of equal size in which different milk of different qualities can be filled without mixing. **(02)**
- Q.6** Find the missing term in the following question DCE, HGI, MLN-----? **(02)**
- Q.7** In each of the vowels in the word America changed to next letter in the English alphabets then which will be the sixth letter from the right end? **(02)**
- Q.8** If PERSON is written as 957561, How will SHOULD be written in that code language. **(02)**
- Q.9** In a certain code language ASKED is written as 45211. How will EIGHT will be coded? **(02)**
- Q.10** Pointing to the lady in the photograph Mitali said, "Her son's father is the only son in law of my mother. How is Mitali related to the Lady? **(02)**
- Q.11** Study the following information carefully **(02)**
P \$ Q means P is the father of Q
P @ Q means P is the mother of Q
P # Q means P is the son of Q
P & Q means P is the sister of Q
P * Q means P is the wife of Q
In order to establish the relation as Y is the sister in law of J. What equation need to be formed.

P.T.O.

- Q.12** A woman is facing south direction she turns 90° in anticlockwise direction she turns in same direction and turns 45° . Lastly, she moves back and turns 225° in clockwise direction now in which direction is she facing. **(02)**
- Q.13** One morning Rajesh and Roshan were talking to each other face to face. If Rajesh's shadow was exactly to right of Rajesh. Which direction was Roshan facing? **(02)**
- Q.14** In morning, Roshan covers 20 meters then he turns to his right and cover 20 meters. Again he turns left and cover 5 meter. If as that time his shadow was towards his right then in which direction he started his Journey. **(02)**
- Q.15** An Article costing Rs. 200 is marked 25% higher than its cost price and is sold at a discount 10% for cash payment A customer is ready to pay the complete money on the spot. What is the shopkeeper's percentage Ratio? **(02)**
- Q.16** 7, 15, 32, 67, 138 _____? **(02)**
- Q.17** 1, 9, 17, 33, 49, 73 _____? **(02)**
- Q.18** 4, 6, 12, _____?, 90, 315, 1260. **(02)**
- Q.19** 4, 18, 48, 100, 180, 294 _____? **(02)**
- Q.20** 21, 2765, 4493, _____?, 6005, 6221. **(02)**

SECTION-II
(Verbal Ability)

- Q.21** Find out the word or expression in the options is the antonym of the word in bold letters. Pick up the antonym. **(10)**
- a) **Acumen**
i) Insight ii) asperity iii) dullness iv) adage
- b) **Alliance**
i) adversary ii) enemy iii) concord iv) combination
- c) **Audacity**
i) bravery ii) disregard iii) meekness iv) coldness
- d) **circumlocution**
i) elongation ii) length iii) apex iv) conciseness
- e) **Agreement**
i) anguish ii) peril iii) contention iv) origin
- f) **Analogy**
i) aspiration ii) apathy iii) aversion iv) difference
- g) **Impudence**
i) haughtiness ii) ignorance iii) respectfulness iv) trickery
- h) **Splendid**
i) shining ii) sparking iii) outstanding iv) dull

- i) Delusive
 i) misleading ii) false iii) real iv) deceptive
- j) Urbane
 i) polite ii) courteous iii) impolite iv) popular

Q.22 Draft a formal conversation by using following academic words for the following situation. **(10)**

A businessman is working hard to get a proposal sanction from the government employ of PWD. But government employ finds out mistakes in his proposal and deny to sanction.

Academic words:- run into, set up, Bend over backwards, once again, open to, take advantage of, spill the beans, of course, point out, look for, once again, on time, make a difference, stick with, break a leg.

SECTION-III
(English Communication)

Q.23 Draft a convincing paragraph by using following vocabulary and give an appropriate title to it? **(10)**

General Service Words: - Solitude, eliminates, traits, desire, evidence, pose, valets, doubt, audience, gradually, profitless, scrupulous, inclined, superhuman, sacrifices, shock, discover, tiresome, hardest, god, care, lazy.

Q.24 Write the meaning of the following phrases and construct a sentence for each **(05)**

- i) Parsimonious ii) Superficial iii) Altruistic
 iv) Resist v) Pejorative

Q.25 Write a technical report on sudden fall in production of Cold Drinks in Coca Cola. Give the reasons and necessary suggestions. **(05)**

SECTION-IV
(Soft Skills)

Q.26 a) What are the importance of leadership in professional world and how one could groom leadership skills in one's personality? Illustrate it with examples? **(05)**

b) What is the importance of SWOT analysis in the corporate world in getting success? **(05)**

c) Does body language play an important role in PowerPoint presentation? If yes justify with reasoning? **(05)**

d) What are the technical steps of making stage winning presentation? **(05)**

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