

**B.TECH. SEM -III (CHEMICAL/ CIVIL/ ELECTRICAL/
MECHANICAL/ PRODUCTION/ COMPUTER/ INFO. TECH./
ELECTRONICS / BIO MEDICAL / E & TC) 2014 COURSE (CBCS)
: SUMMER - 2018**

SUBJECT: PROFESSIONAL SKILL DEVELOPMENT – III

Day: **Saturday**
Date: **26/05/2018**

S-2018-2229

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) Answers for all the sections should be written in **SAME** answer book.

SECTION-I

Quantitative aptitude & Logical Reasoning:

- Q.1** Find the sum of prime factors of 561. (02)
- Q.2** 9^6+7 when divided by 8 would have a remainder of ? (02)
- Q.3** Find the least number, which when divided by 5, 6 and 7 and leaves a remainder 3 but when divided by 9 leaves no remainder. (02)
i) 288 ii) 213 iii) 207 iv) 423
- Q.4** If X and Y are the two digit of the number 653 xy. Such that this number is divisible by 80 then X +Y is equal to. (02)
i) 2 ii) 3 iii) 4 iv) 6
- Q.5** If Bag = 30 and Bad = 21 then Deed= ? (02)
- Q.6** If DRIVER = 7 and PEDESTRIAN = 11 then what is the code for ACCIDENT? (02)
- Q.7** In the following letter Series, what will come in the place of question mark? (02)
AIU, ELR, HOP, JRM, KUK ?
- Q.8** ABCDEFGHIJKLMNOPQRSTUVWXYZ. (02)
In the above alphabet series 18 letters from right were put in the reverse order, then which letter will be the third at left of 22nd letter from the left.
- Q.9** In a certain code language, REASONING is coded as HZVILTMRM, then how is DIGINOTES written in the same language? (02)
- Q.10** In a certain language, SUPPORTERS is written as 8780. How will INEVITABLE be written in that code language? (02)
- Q.11** P is the father of Q, who is the father of A? B is the daughter of R. Who is the only daughter in law of P. P has one grandson and one granddaughter. Then how is P related to A? (02)
- Q.12** Read the following information carefully and answer the question. (02)
A + B means A is the father or B
A – B means A is the wife of B.
A × B means A is the brother of B.
A ÷ B means A is the daughter of B.
In order to establish P is the aunt of Q. what equation is needed to form?

P. T. O.

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- Q.13** A man buys 5 horses and 7 bulls for Rs. 1950 he sells horses at a profit of 10% and bulls at a profit of 16% and on the whole his gain is Rs. 237. What price does he pay for a horse? **(02)**
- Q.14** A retailer buys 40 pens at the market price of 35 pens from a whole seller. If he sells these pens giving a discount of 1%. What is the profit percent? **(02)**
- Q.15** If toffees are brought at the rate of 18 for a rupee then how many of them must be sold for a rupee to gain 20%. **(02)**
- Q.16** Shivam was facing west direction. He turns 135° in the clockwise direction and then 180° in the anticlockwise direction, which direction is he facing now? **(02)**
- Q.17** 354, 180, 64, 21, ? **(02)**
- Q.18** 5, 3, 4, ? 38. **(02)**
- Q.19** 3, 37, ? 1749, 8797, 35253. **(02)**
- Q.20** 6656, 1664, 4160, 1040, ? **(02)**

SECTION-II

Verbal Ability:

- Q.21** Pick up one word, which sums up the idea contained in the sentence or the phrase. **(10)**
- a)** Third from last.
i) Alibi
ii) Antepenultimate
iii) Acronym
iv) Long
- b)** A disease that caused inability to read?
i) Blindness
ii) Alexia
iii) Alibi
iv) None of these
- c)** Loss of the wish to eat or absence of appetite.
i) Alexia
ii) Anorexia
iii) Snorexia
iv) Flexion
- d)** A general pardon of political offenders.
i) Forgiveness
ii) Amnesty
iii) Clemency
iv) Generosity
- e)** A person who rules without consulting the opinions of others.
i) Bureaucrat
ii) Democrat
iii) Fanatic
iv) Autocrat
- f)** One who does not care for literature or art.
i) Primitive
ii) Illiterate
iii) Philistine
iv) Barbarian
- g)** He is very careful and particular about everything he writes.
i) Meticulous
ii) Careful
iii) Usurer
iv) Scrupulous
- h)** He spent a long time cutting all the waste paper into pieces.
i) Tearing
ii) Disposing
iii) Shredding
iv) Ripping

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- i) Scarcity of rain or water.
i) Drought
ii) Draught
iii) Dryness
iv) Dehydration
- j) Changing one's mind too quickly.
i) Changeableness
ii) Vacillation
iii) Revolutionary
iv) Soldier

Q.22 Bring out the detail explanation of mnemonics in relation to following (10)
vocabulary.
Point out, On time, Setup, run into, open to, make sure, so to speak,

SECTION-III

English Communication

Q.23 Write a technical report on the sudden decrease in the production of Hella (10)
company and provide beneficial suggestions for it.

Q.24 Do an individual SWOT analysis for the following advertisement. (05)

Company Name	Persistent
Designation	Jr. Engineer
Salary	50,000
Required skills	Core knowledge of subject, master in computer languages, good communication skills

Q.25 Give the meaning of following phrases and use them in sentences. (05)
i) Musicologist
ii) Rupture
iii) Outset
iv) Abstains
v) Lucrative

SECTION-IV

Soft Skills

- Q.26** a) Bring out the difference between the soft skills and hard skills and illustrate (05)
them with examples.
- b) Leadership is not a badge of honor, but it is job with responsibility. Explain? (05)
- c) What are the different types of leadership? Explain it with characteristics. (05)
- d) How could one frame winning PPT presentation by using technical steps? (05)
Illustrate with examples.

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