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18/10/16
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RIZVI COLLEGE OF ARTS SCIENCE & COMERCE

I-Terminal EXAM-2016-2017

SUB: IT STD: F.Y.J.C (SCIENCE) MARKS: 50 TIME: 1.30 Hrs

Q1) Fill in the blank

[10 M]

- a) _____ Images are small and animated.
- b) Information technology can process raw data into useful _____.
- c) _____ is the extension of Ms excels sheet documents.
- d) _____ files are used in live music.
- d) CGM is _____ type of graphic file.
- e) _____ Protocol is used for sending mail messages.
- f) Operating system is example of _____ software.
- g) ARPA was the project of _____.
- h) Bitmapped images are made of _____.
- i) BIOS are stored in _____ memory.

Q.2) State True or False

[10 M]

- 1) www stands for world wide web.
- 2) Animation is real moving picture.
- 3) Dial up connections are permanent connection.
- 4) Scanners are input device.
- 5) EPS is an example of raster graphics.
- 6) Interactive multimedia is also called as hypermedia.
- 7) GIF is compressed image of BMP files.
- 8) DSL technology is used for internet access.
- 9) Email address written in BCC can be seen by all receivers.
- 10) .ppt is the extension of excel sheet files.

Q.3) Answer any five of the following

[10 M]

- 1) Define multimedia.
- 2) What is software?
- 3) What is URL?
- 4) What is Animation?
- 5) Define Data.
- 6) What is image compression?
- 7) What is web server?

Q.4) Answer any four the following

[20 M]

- 1) Explain the application of multimedia.
- 2) Explain how email system work and part of e-mail.
- 3) Explain Different methods of internet connection.
- 4) Write different image formats used in computer?
- 5) Explain in detail different types of memories used in computer.

Electronics - A

Marks 50

Electronics PII

Term I Exam

1 1/2 Hours

- Note: i] All questions are compulsory.
 ii] Figures to the right indicate full marks.
 iii] Draw **neat diagram** wherever necessary.
 iv] Use of Log table is allowed. Calculator is not allowed

Q.1 A Select the correct alternative and rewrite the following sub questions. [04]

- i) If $\beta = 49$, then $\alpha =$ _____
 a) Zero b) 0.98 c) 0.89 d) none of these
- ii) In P type Semiconductor _____ impurities are added.
 a) Trivalent b) Tetravalent c) Pentavalent d) All of these three.
- iii) In Conductor current flows due to _____
 a) electrons B) holes c) electrons and holes d) ions
- iv) 0.3 V Barrier potential across junction is available in _____ diode.
 a) Germanium b) Silicon c) Carbon d) none of these.

Q.1 B Compare CB, CE and CC configurations of BJT [06]

Q.2 Attempt any Two of the following. [10]

- i) What are different current gains in transistor? Derive α in terms of β and β in terms of α .
- ii) Explain working of NPN Transistor
- iii) Explain with diagram common collector configuration of BJT.

Q.3) Attempt any Two of the following [10]

- i) Define and explain with help of diagram what happens when PN Junction is formed,
- ii) Define Rectification. Explain working of a Rectifier using Centre Tap transformer. Draw waveforms.
- iii) Write a note on any one active device.

..2..

Q.4) Attempt **any Two** of the following

[10]

i) Explain donor type extrinsic semiconductor.

ii) Draw the Forward bias and Reverse bias Characteristics curves of diode and explain.

iii) Explain construction and working of Semiconductor diode.

Q.5) Attempt **any Two** of the following

[10]

i) Draw Atomic structure diagrams of Silicon and Germanium

ii) Explain energy band diagrams of Germanium and explain.

iii) Explain how barrier potential developed in semiconductor diodes?

I TERMINAL EXAMINATION -2016

Biology -FYJC

Time : 1½ hrs

Max. Marks : 50

- Note :**
1. All questions are compulsory.
 2. Answers to the questions in section-I and section-II should be written in TWO separate answer books.
 3. Questions from section I attempted in the answer book of section II and vice-versa will not be assessed.
 4. Draw neat and labeled diagrams wherever necessary.
 5. Figures to right indicate full marks.

SECTION-I

Q1. Select and write the most appropriate answer from the given alternatives for each sub questions. (Any 7) (07)

i) Growth of monopodial rhizome takes place with the help of _____.
 a) terminal bud b) lateral c) accessory bud d) adventitious bud

ii) Roots develop from _____.
 a) radical b) plumule c) leaf d) flower

iii) Carrot is the example of a _____.
 a) conical root b) fusiform root c) napiform root d) none of above

iv) In hypogeal germination cotyledon _____.
 a) comes above the soil b) remains under soil c) both a and b d) none

v) Sucrose is a disaccharide made up of _____.
 a) glucose+glucose b) Glucose+fructose
 c) glucose+galactose d) Glucose+erythrose

vii) Majority of enzymes , function best at _____ pH.
a) acidic b)basic c)neutral d)strong basic

viii) Which of the following is conjugated protein? _____
a)Amylase b)chromo-protein c)Histone d)zein

Q2. Answer in one sentence.(Any 6)

(06)

- i) Define seed germination.
- ii) Define adventitious root.
- iii) Give functions of stem.
- iv)Write note on cymose inflorescence.
- v) Define catabolic reaction.
- vi) Define enzymes.
- vii) Name any two types of steroids
- viii) What are lipids.

Q3. A). Answer the following. (Any 2)

(04)

- i) Give characteristics of root.
- ii) Give types of phyllotaxy.
- iii) Give the chemical composition of Nucleic acid
- iv) Explain any 4 properties of enzymes.

B) Sketch and label parts of leaf with the help of neat and labeled diagram. (02)

Q4. Answer the following . (Any 2)

(06)

- i) Describes the parts of typical root with the help of neat and labeled diagram.
- ii) Give the modifications of leaf.
- iii) Explain different types of non-genetic RNA ie. m-RNA, r-RNA and t-RNA.
- iv) Give any six role of proteins.

Q.5) Select and write the most appropriate answer from the given alternative (any 7)

7marks

- i) The structural and functional unit of striated muscle fiber is
- a) Sarcomere. b) Sarcolemma.
c) Myofibril d) Sarcoplasm.
- ii) Squamous epithelium is also called as.....
- a) Columnar epithelium b) ciliated epithelium
c) Pavement epithelium d) glandular epithelium
- iii) Schwann cells are found in.....
- a) Epithelial tissue. b) nervous tissue
c) Cartilage. d) bone
- iv) Histamine and heparine are secreted by...
- a) Mast cells. b) macrophages.
c) Chondrocytes. d) osteocytes.
- v) Example of pseudocoelomate animal is
- a) Ascaris b) Liver fluke.
c) Earthworm d) all of the above.
- vi) ----- phylum is connecting link between the non-chordates and chordates
- a) Arthropoda b) mollusca.
c) Hemichordata d) Echinodermata.
- vii) Adult human skeleton has ----- bones
- a) 206 bones b) 406 bones.
c) 106 bones d) 306 bones.
- viii) Elbow joint is an example of
- a) Ball and socket joint b) Pivot joint.
c) hinge joint d) gliding joint.

Q. 6) Answer in one or two sentences (Any six)

6Marks

- i) Define dentition?
- ii) Mention any two functions of bone?
- iii) Name any two types of cartilage and mention their location?
- iv) What is tendon?
- v) Name the bones of forelimb?
- vi) Name any two disorders of skeletal system?
- vii) What are the organs of respiration in arthropoda?
- viii) Animals of which phylum show bioluminescence?

Q 7 (A) Attempt any two.

4 Marks

- i) Distinguish between white fibres and yellow fibres of cartilage?
- ii) Describe the cardiac muscle?
- iii) Give the general characteristics of phylum porifera?
- iv) Write a note on symmetry?

B) Sketch and label typical synovial joint?

2 marks.

Q 8) Attempt any two

6 marks.

- i) Describe the structure of Haversian system of bone?
- ii) What are endocrine glands and exocrine glands? Give an example of each?
- iii) Distinguish between chordates and non-chordates?
- iv) Describe different types of cartilagenous joints?

Q(I). Attempt any three of the following.

09

1. The difference between two acute angles of a right angle triangle is $(\frac{3\pi}{10})^c$. Find the angle in degree.
2. If $\cos\theta = \frac{-3}{5}$, $\pi < \theta < \frac{3\pi}{2}$. Find the value of $\frac{\operatorname{cosec}\theta + \cot\theta}{\sec\theta - \tan\theta}$.
3. Prove that $\tan\left(\frac{\pi}{4} + \theta\right) - \tan\left(\frac{\pi}{4} - \theta\right) = 2\tan 2\theta$.
4. A(2,3), B(-2,5) are given points. Find the equation of locus of point P such that PA=2PB.

Q(II). Attempt any four of the following.

16

1. OPQ is sector of circle with center O and radius 15cm. If $\angle OPQ = 30^\circ$. Find the area enclosed by PQ and chord PQ.
2. Eliminate θ if $x = 2\cos\theta - \sin\theta$, $y = \cos\theta + 2\sin\theta$.
3. Prove that $\frac{\sin(A-B)}{\sin A \sin B} + \frac{\sin(B-A)}{\sin B \sin C} + \frac{\sin(C-A)}{\sin C \sin A} = 0$.
4. P and Q are two points on X and Y axes respectively such that PQ=7 if the Point R divides PQ internally in the ratio of 4:3. Find the equation of locus of R.
5. If A(5,-2), B(2,4) and point C lies on the locus $y = 1 + x + x^2$. Find the equation of locus of centroid of ΔABC .

Q(III). Attempt any three of the following

09

1. If $a = \frac{-1+\sqrt{3}i}{2}$, $b = \frac{-1-\sqrt{3}i}{2}$ then show that $a^2 = b$ and $b^2 = a$.
2. If $\log\left(\frac{x+y}{3}\right) = \frac{1}{2}\log x + \frac{1}{2}\log y$ show that $\frac{x}{y} + \frac{y}{x} = 7$.
3. If $np_3:np_6 = 1:210$ find n.
4. Evaluate $\lim_{x \rightarrow 2} \frac{x^3 + 3x^2 - 9x - 2}{x^2 - x - 6}$.

Q(IV). Attempt any four of the following

16

1. Find the value of $2x^3 - 11x^2 + 44x + 27$ if $x = \frac{25}{3-4i}$.
2. If $\log_2 x + \log_4 x + \log_{16} x = \frac{21}{4}$ Find x.
3. Find the number of ways of selecting 9 balls from 6 red balls, 5 white balls and 7 blue balls if each selection consists of 3 balls of each colour.
4. Evaluate $\lim_{x \rightarrow 2} \left(\frac{1}{x^2 - 5x + 6} + \frac{1}{2x^2 - 7x + 6}\right)$.

Note: All question are compulsory

Figure to the right indicate marks

Draw neat diagram wherever necessary

SECTION - I

Q 1. Select and write the most appropriate answers from the given alternatives for each subquestion

6

(A) An electron has principal quantum number 2. The number of subshells and orbitals would be respectively

- (i) 2 & 3 (ii) 2 & 5 (iii) 2 & 7 (iv) 2 & 4

(B) If $m = 0$ electron is present in

- (i) s-orbital (ii) p-orbital (iii) d-orbital (iv) f-orbital

(C) The maximum number of electron in a subshell is given by expression

- (i) n^2 (ii) $2n^2$ (iii) $2(2l + 1)$ (iv) $n - 1$

(D) According to Valence bond theory the expected valency of Boron is

- (i) 0 (ii) 1 (iii) 2 (iv) 3

(E) Non directional bond is present in

- (i) HCL (ii) HF (iii) F₂ (iv) H₂

(F) Which of the following molecule involve electrovalent bond

- (i) H₂ (ii) CH₄ (iii) CaCl₂ (iv) HCl

Q 2. Answer any three of the following.

6 marks

- Write any 4 postulates of Valence bond theory
- Draw Lewis structure of O₂ & NO₂⁻
- Explain with example ionic bond
- Distinguish between isotopes and isobars

Q 3. Answer any two of the following

6 marks

- Define orbital. Draw diagram of s & p orbital
- Explain principal quantum number
- Give any three main postulates of Bohr's atomic model

Q 4 Answer the following

- (i) Explain photo electric effect with diagram . Give Einsteins photo electric equation 4
(ii) Explain formation of NH₃ molecule on the basis of hybridisation 3

Or

- (ii) Explain s - p overlap with example.

SECTION II :

Q5. Select and write the most appropriate answer from the given alternatives for each sub-question:

(06)

1. Which of the following is an example of acid anhydride ?

- a. HCHO b. HCOOH c. HCONH₂ d. (HCO)₂O

2. Resonance is not exhibited by---

- a. phenol b. aniline c. nitrobenzene d. cyclohexane.

3. Empirical formula of an organic compound having molecular weight 60 is CH₂ O. What is it's molecular formula?

- a. C₆ H₁₂ O₆ b. C₄ H₈ O₄ c. C₃ H₆ O₃ d. C₂ H₄ O₂

4. Which of the following is aliphatic saturated hydrocarbon?

- a. C₆ H₆ b. C₆ H₁₀ c. C₆ H₁₂ d. C₆ H₁₄

5. Paraffin wax contains alkanes ranging from -

- a. C₅ to C₉ b. C₁₀ to C₁₅ c. C₁₆ to C₂₀ d. C₂₁ to C₂₀

6. Which of the following alkanes is liquid at r.t. temperature?

- a. C₄ H₁₀ b. C₁₀ H₂₂ c. C₂₂ H₄₆ d. C₄₆ H₉₄

(06)

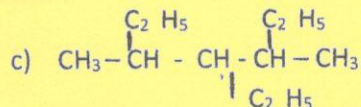
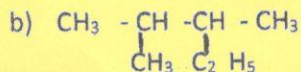
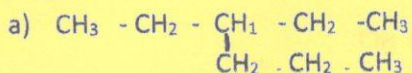
Q6. Answer any three of the following :

1. What are alkanes? Give general formula of alkanes.
2. Define first heterocyclic compound with one example.
3. Write a note on combustion of alkane with one example.
4. How ethane is prepared from : 1. Sodium acetate and 2. Ethyl chloride

(06)

Q7. Answer any Two of the following :

1. Write the structure of following functional group : 1. Carboxylic acid 2. Ester 3. Ether.
2. Write the IUPAC name of the following compound----



3. Explain the pyrolysis of alkanes with examples.

Q8. Answer the following :

1. Quantitative analysis of an organic compound gave the following results: (07)
Percentage of carbon = 92.3 and percentage of hydrogen = 7.7 (04)
If the molecular weight of the compound is 78, calculate its molecular formula. (Atomic wt. C = 12, H = 1)
2. Explain Wurtz reaction with example. (03)

Or

Explain nitration of alkane with example.

F.Y.J.C. (Science) PHYSICS TERMINAL EXAM

TIME: 1 HOUR 30 MINS MARKS: 50

Note:

- i) All questions are compulsory
- ii) Figures to the right indicates full marks
- iii) Draw neat labeled diagrams wherever necessary

Q1. Select and write most appropriate alternative from the given alternatives(10marks)

1. S.I unit of energy is Joule and it is equivalent to _____
a) 10^6 erg b) 10^{-7} erg c) 10^7 erg d) 10^5 erg
- 2) Dimensions of $\tan \theta$ is _____
a) $[L^2]$ b) $[M^1]$ c) $[M^1 L^1]$ d) no dimension
- 3) Pressure is _____
a) scalar b) vector c) tensor d) neither scalar nor vector
- 4) Decibel is the unit of _____
a) Wavelength b) amplitude c) velocity d) loudness
- 5) If frequency of sound is 340 Hz and its velocity is 340 m/s then wavelength is _____
a) 1.2m b) 1.6m c) 0.8m d) 1m
- 6) 100 W bulb is applied to source of 250 V then current through bulb is _____
a) 0.1A b) 0.2A c) 0.4A d) 0.3A
- 7) Work done by electron in overcoming resistance is converted into _____
a) Light b) heat c) power d) current
- 8) Product of pole strength and magnetic length is called _____
a) Magnetic dipole b) Magnetic dipole moment
c) Magnetic moment d) Magnetic flux
- 9) Magnetic lines of force of magnet start from _____
a) south pole b) north pole c) centre d) any point
- 10) Speed of sound in air is directly proportional to _____
a) Temperature b) square root of absolute temperature
c) Absolute temperature d) square root of temperature

Q2) Attempt any eight

(16 marks)

1. State the dimensions of energy and force.
2. Distinguish between scalars and vector.
3. Distinguish between longitudinal and transverse waves
4. A short magnetic dipole has a magnetic moment 20 Am^2 . If its magnetic length is 5cm. Calculate its pole strength.
5. Write any four properties of magnetic lines of force.
6. Distinguish between E.M.F and potential difference.

7. Write a short note on superconductivity.
8. What is the wavelength of radio wave of frequency 530MHz (speed of radio wave in air $c = 3 \times 10^8$ m/s).
9. Using dimensional analysis show that $1\text{N} = 10^5$ dyne
10. Find the value of a resistor whose colour code is in the order Orange, Black, Red, and Silver.

Q3) Attempt any four

(12marks)

1. Derive an expression of kinetic energy of a body of mass 'm' and moving with velocity 'v', using dimensional analysis.
2. State and explain triangle law of vector addition.
3. The velocity of sound in air at 27°C is 340m/s. Calculate the velocity of sound in air at 127°C
4. Derive an expression for the torque acting on a magnet placed in uniform magnetic induction.
5. Define and explain specific resistance (resistivity) of a material and state its SI unit.

Q4) Attempt any three

(12 marks)

1. State and prove law of parallelogram of vector addition and determine the magnitude of resultant vector.
2. Explain Laplace's correction to the Newton's formula for the velocity of sound in air.
3. A short magnetic dipole has a magnetic moment 0.5Am^2 . Calculate the magnetic induction at a distance of 20 cm from the center of the magnetic dipole along
(i) The axis and (ii) The equatorial line of the short magnetic dipole
($\mu_0 = 4\pi \times 10^{-7}$ SI units)
4. Calculate the electric bill for the month of October at the rate of 6Rs per unit *if*
 - a. 4 fans each of power 50 watt are used for 12 hours
 - b. 4 bulbs each of power 20 watt are used for 14 hours
 - c. 1 T.V. of power 100 watt used for 10 hours
 - d. 1 Refrigerator of power 200 watt used for 24 hours in a day

Std.XI.

M.C.V.C.

Sub. F.C.

Marks.50.

Q.No.1. Fill in the blanks

(15)

- 1) Management secures maximum result by the use of available
- 2) is management by one self
- 3) Strengths and weakness are
- 4) Business must organise to keep contacts.
- 5) is an end towards which you direct your efforts.
- 6) Time is a unique
- 7) Don't waste time as it affects you also.
- 8) The duty hours are fixed by the
- 9) wait for none.
- 10) is a force which motivates a group.
- 11) is a register of attendance of employees.
- 12) Follow the Whether you like it or not.
- 13) people come together and form a group.
- 14) Impermanent group includes,, and
- 15) Staff unions object to attendance.

Q.No.2. Write short note. (Any five)

(25)

- 1) Management.
- 2) Self management and features.

- 3) Planning basic step of planning.
- 4) Time management.
- 5) Tools to plan the work.
- 6) Characteristics of time.
- 7) Discipline.

(10)

Q.No.3. Write any one from the following.

- 1) What is goal setting ? write types of goal. ?
- 2) Write techniques of working in group. ?
- 3) What is attendance ? explain importance of attendance. ?

f. J.C M.C.V.C F.C

Std. XII.

M.C.V.C.

Marks. 50

Sub. F.C.

Q.No.1.(A) Select the proper option and complete the statement (05)

- 1) Project report is Of proposed plant to be under taken.
(Blue print, written plan, book let)
- 2) Unit that is established by entrepreneur is known by the other name
(Industry, business, business enterprise)
- 3) Selection of place is the decision of importance.
(Secondary, last, major)
- 4) Bank issues against fixed deposit.
(Card, receipt, pass book)
- 5) The principle of Is not applicable in case of life insurance.
(Subrogation, utmost good faith, insurable interest)

(B) Match the pairs (05)

A group

B group

- | | |
|---------------------------------|--|
| 1) Birth date certificate | a) Account of a person is credited. |
| 2) Current account | b) Infrastructure. |
| 3) Crossed cheque | c) Required in case of life insurance. |
| 4) Production cost | d) Traders and businessman. |
| 5) Electricity and water supply | e) Total of all costs. |

(C) State whether the statement are True or False. (05)

- 1) Good and healthy relations between management and employees is a weakness of Business unit.
- 2) Government support to entrepreneurs may be in the form of providing infrastructure facilities

- 3) Over draft facility is provided to saving account.
- 4) Warehousing and transport comes under the category of infrastructure services.
- 5) Generating the idea for the selection of project is the work under taken by production and Manufacturers.

Q.No.2. Write short notes (any two) (10)

- 1) Factors for selection of project.
- 2) Project appraisal-technical aspect and economic aspect.
- 3) Functions of banks.
- 4) Importance of insurance.

Q.No.3. Write distinguish between (any three) (15)

- 1) Life insurance and fire insurance.
- 2) Saving bank account and fixed deposit account.
- 3) Marine insurance and accident insurance.
- 4) Commercial bank and co-operative bank.

Q.No.4. Write any one from the following. (10)

- 1) Explain elements (steps) of a project report ?
- 2) Write principle of insurance in detail ?

SUB: COMPUTER SCIENCE

CLASS: XI

Time: 1 Hr 30 mins

MAX. MARKS: 50

- NOTE: 1. All questions are compulsory.
 2. Draw neat diagrams wherever necessary.
 3. Figures to the right indicate full marks
 4. Use of any type of calculator is not allowed
 5. Due credit will be given for the programs with appropriate comments

Q. 1. (A) Select the correct alternative and rewrite the following:

5

- (a) The range of capacitance of Mica Capacitor is _____.
- (i) 5 to 1000pf (ii) 10 to 1000pf (iii) 5 to 10000pf (iv) 1000 to 50000pf
- (b) A Capacitor offers _____ impedance to ac.
- ✓ (i) same (ii) different (iii) high (iv) low
- (c) In Electronic circuits, resistances are used to control the _____.
- (i) Voltage (ii) Current (iii) Inductance (iv) None of these
- (d) The inductance is measured in _____.
- (i) ohm (ii) farad (iii) Henry (iv) None of these
- (e) _____ is a universal building blocks.
- (i) NAND (ii) OR (iii) EX -OR (iv) None of these

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(B) Answer any two of the following:

10

1. Explain Intrinsic Semi conductor.
2. Why the capacitance value of Electrolytic Capacitor is higher? Explain it.
3. Draw diagram for single stage amplifier and explain it.

Q. 2. Attempt any five of the following:

15

1. Explain the difference between different types of Transistors.
2. Write a note on Transformer.
3. Explain transistor as a Switch.
4. Explain the difference between EX- OR gate and NAND gate.
5. Draw VI characteristics of PN junction diode and explain it.
6. Write a note on Switch Mode Power Supply (SMPS)

Q. 3. Answer the following:

20

- (i) Explain PN Junction Diode with reversed bias.
- (ii) Write a Note on Zener Diode.
- (iii) Explain the Construction of AND gate using NOR gates.
- (iv) What is Full Adder? Why it is called so?
- (v) Explain Color Coding System in Resistors.

18/10/16
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SUB: COMPUTER SCIENCE

CLASS: XI

Time: 1 Hr 30 mins

MAX. MARKS: 50

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- NOTE: 1. All questions are compulsory.
2. Draw neat diagrams wherever necessary.
3. Figures to the right indicate full marks
4. Use of any type of calculator is not allowed
5. Due credit will be given for the programs with appropriate comments
-

Q. 1. (A) Select the correct alternative and rewrite the following:

5

- (a) C++ is _____.
- (i) Low level language (ii) assembly language (iii) object oriented language
(iv) None of these
- (b) The 1's complement of $(11)_{10}$ in Binary is _____.
- (i) 0001001 (ii) 10011010 (iii) 00010011 (iv) None of these
- (c) $(412)_8 - (121)_{10}$ is _____ in binary number system
- (i) 100111011 (ii) 1001010101 (iii) 000101001 (iv) None of these
- (d) The 2's Complement of 0101001001 is _____.
- (i) 1010110111 (ii) 1001100111 (iii) 1010110110 (iv) None of these
- (e) $(1010)_2 / (0101)_2$ is _____.
- (i) 0001 (ii) 0010 (iii) 0100 (iv) None of these

(B) Answer any two of the following:

10

1. Write a Program in C++ to find the reverse of a number entered by User.
2. Write a Program in C++ to print all Prime number upto 20.
3. Write a Program in C++ to check whether the entered number is divisible by 3 or 7 or both.

Q. 2. Solve any five of the following:

15

1. $(1001111111010011)_2 = (\quad)_{10}$
2. $(145)_8 - (45)_{10} = (\quad)_{10}$
3. $(ABF)_{16} \times (1011)_2 = (\quad)_8$
4. $(10111111010010)_2 = (\quad)_{10}$
5. $(7BA)_{16} + (165)_8 = (\quad)_{10}$
6. $(56743)_8 / (111)_2 = (\quad)_{16}$

Q. 3. Answer the following:

20

1. Write a Program in C++ to find product of numbers from 15 to 25 using While Loop.
2. What are Logical Operators and Decrement Operator ? Explain with examples.
3. Write a Program in C++ to check whether the entered character is a Vowel or Not using Switch Function.
4. Write a Program in C++ to find product of all ODD numbers from 10 to 20.
5. Write a short note on Header files.
