

## MODEL QUESTIONS FOR UG PROGRAMMES

*Full Marks: 100*

*Time: 2 hours*

| <i>Group</i>                           | <i>Full Marks</i> | <i>Question No.</i> | <i>Marks Obtained</i> | <i>Remark(s)</i> |
|--|-------------------|---------------------|-----------------------|------------------|
| <b>A</b>                               | <b>25</b>         | <b>1 to 25</b>      |                       |                  |
| <b>B</b>                               | <b>25</b>         | <b>26 to 50</b>     |                       |                  |
| <b>C</b>                               | <b>25</b>         | <b>51 to 75</b>     |                       |                  |
| <b>D</b>                               | <b>25</b>         | <b>76 to 100</b>    |                       |                  |
| <b>TOTAL MARKS OBTAINED OUT OF 100</b> |                   |                     |                       |                  |

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### *Admission Test (Under-Graduate)-*

#### *General Instructions for Candidates:*

- Examination Pattern:** The test consists of four (4) sections (each of 25 questions). Among these, Group- B, C and D are compulsory for all the candidates. Whereas, Group-A will be optional between two sections: **Group-A (General Science)** and **Group-A (Social Science & Humanities)**.
    - **Group-A (General Science)** will be mandatory for the candidates applying for admission in **5-year Integrated M. Sc. (ARTD)**.
    - Candidates applying for **B.Voc. in Sustainable Agriculture (BVSA)** may opt between **Group-A (General Science)** OR **Group-A (Social Science & Humanities)** as per their preference.
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## Test Booklet Set-AA

**GROUP- A [GENERAL SCIENCES]**

**MARKS-25**

1. Two gases A and B having the same volume diffuse through a porous partition in 20 and 10 seconds, respectively. The molecular mass of A is 49 u. Molecular mass of B will be...  
(a) 25.00 u                      (b) 50.00 u                      (c) 12.25 u                      (d) 6.50 u
2. The correct order of N-compounds in its decreasing order of oxidation states is...  
(a)  $\text{HNO}_3$ , NO,  $\text{NH}_4\text{Cl}$ ,  $\text{N}_2$     (b)  $\text{HNO}_3$ ,  $\text{NH}_4\text{Cl}$ , NO,  $\text{N}_2$   
(c)  $\text{NH}_4\text{Cl}$ , NO,  $\text{N}_2$ ,  $\text{HNO}_3$     (d)  $\text{HNO}_3$ , NO,  $\text{N}_2$ ,  $\text{NH}_4\text{Cl}$
3. Waxes are esters of...  
(a) Glycerol    (b) long chain alcohols  
(c) Glycerol and fatty acid    (d) long chain alcohols and long chain fatty acids
4. 2 g of a radioactive sample having half life of 15 days was synthesised on 1<sup>st</sup> January 2019. The amount of the sample left behind on 1<sup>st</sup> March 2019 (including both the days)...  
(a) 1 g    (b) 0.5 g    (c) 0 g    (d) 0.125 g
5. The difference between amylose and amylopectin is...  
(a) Amylose have 1 → 4  $\alpha$ -linkage and 1 → 6  $\beta$ -linkage  
(b) Amylopectin have 1 → 4  $\alpha$ -linkage and 1 → 6  $\beta$ -linkage  
(c) Amylose is made up of glucose and galactose  
(d) Amylopectin have 1 → 4  $\alpha$ -linkage and 1 → 6  $\alpha$ -linkage
6. When carbon monoxide is passed over solid caustic soda heated to 200°C, it forms...  
(a)  $\text{Na}_2\text{CO}_3$     (b)  $\text{NaHCO}_3$     (c)  $\text{HCOONa}$     (d)  $\text{CH}_3\text{COONa}$
7. IUPAC name of  $(\text{CH}_3)_3\text{CCl}$ ...  
(a) 2-chloro 2-methyl propane    (b) t-butyl chloride    (c) n-butyl chloride    (d) 3-chloro butane
8. On which of the following properties does the coagulating power of an ion depend?  
(a) The magnitude of the charge on the ion alone                      (b) The sign of charge on the ion alone  
(c) Both magnitude and sign of the charge on the ion                      (d) Size of the ion alone
9. Which one of the following is a molecular crystal?  
(a) Quartz    (b) Rock salt    (c) Diamond    (d) Dry ice
10. Formation of coloured solution is possible when metal ion in the compound contains...  
(a) Paired electrons    (b) unpaired electrons    (c) lone pair of electrons    (d) none of these
11. The formula mass of Mohr's salt is 392. The iron present in it is oxidised by  $\text{KMnO}_4$  in acid medium. The equivalent mass of Mohr's salt is...  
(a) 392    (b) 31.6    (c) 278    (d) 156
12. If  $n = 6$ , the correct sequence of filling of electrons will be...  
(a)  $ns \rightarrow np(n-1)d \rightarrow (n-2)f$     (b)  $ns \rightarrow n(n-2)f \rightarrow (n-1)d \rightarrow np$   
(c)  $ns \rightarrow (n-1)d \rightarrow (n-2)f \rightarrow np$     (d)  $ns \rightarrow (n-2)f \rightarrow np \rightarrow (n-1)d$
13. A bat flies at a steady speed of 4  $\text{ms}^{-1}$  emitting a sound of  $f = 90 \times 10^3 \text{ Hz}$ . It is flying horizontally towards a vertical wall. The frequency of the reflected sound as detected by the bat will be \_\_\_\_\_. (Take velocity of sound in air as 330  $\text{ms}^{-1}$ ).

- (a)  $92.1 \times 10^3$  Hz      (b)  $89.1 \times 10^3$  Hz      (c)  $88.1 \times 10^3$  Hz      (d)  $87.1 \times 10^3$  Hz
- 14. The fundamental frequency in an open organ pipe is equal to the third harmonic of a closed organ pipe. If the length of the closed organ pipe is 20 cm, the length of the open organ pipe is...**
- (a) 12.57 cm      (b) 16.19 cm      (c) 8.13 cm      (d) 13.33 cm
- 15. An astronaut on a strange planet finds that acceleration due to gravity is twice as that on the surface of Earth. Which of the following could explain this?**
- (a) Both the mass and radius of the planet are twice as that of Earth  
 (b) Mass of the planet is half as that of Earth, but radius is same as that of Earth  
 (c) Both the mass and radius of the planet are half as that of Earth  
 (d) Radius of the planet is half as that of Earth, but the mass is the same as that of Earth
- 16. A pendulum is hung from the roof of a sufficiently high building and is moving freely to and fro like a simple harmonic oscillator. The acceleration of the bob of the pendulum is  $20 \text{ m/s}^2$  at a distance of 5 m from the mean position. The time period of oscillation is...**
- (a) 2 s      (b)  $\pi$  s      (c)  $2\pi$  s      (d) 1 s
- 17. Blue colour of sea water is due to...**
- (a) Interference of sunlight reflected from the water surface      (b) image of sky in water  
 (c) Scattering of sunlight by the water molecules      (d) refraction of sunlight
- 18. How many times more intense is a 60 dB sound than a 30 dB sound?**
- (a) 1000      (b) 2      (c) 100      (d) 4
- 19. Hydrogen atom does not emit X-rays because...**
- (a) It contains only a single electron      (b) energy levels in it are far apart  
 (c) Its size is very small      (d) energy levels in it are very close to each other
- 20. A cricket ball of mass 0.25 kg with speed 10 m/s collides with a bat and returns with same speed within 0.01 S. The force acted on bat is...**
- (a) 25 N      (b) 250 N      (c) 50 N      (d) 500 N
- 21. A 1250 W heater operates at 115 V. What is the resistance of the heating coil?**
- (a)  $1.6 \Omega$       (b)  $13.5 \Omega$       (c)  $1250 \Omega$       (d)  $10.6 \Omega$
- 22. A prism of a certain angle deviates the red and blue rays by  $8^\circ$  and  $12^\circ$  respectively. Another prism of the same angle deviates the red and blue rays by  $10^\circ$  and  $14^\circ$  respectively. The prisms are small angled and made of different materials. The dispersive powers of the materials of the prisms are in the ratio...**
- (a) 9:11      (b) 5:6      (c) 6:5      (d) 11:9
- 23. The ratio between the present ages of 'P' and 'Q' is 6:7. If 'Q' is 4 years old than 'P', what will be the ratio of the ages of 'P' and 'Q' after 4 years?**
- (a) 3:8      (b) 5:8      (c) 7:8      (d) 7:9
- 24. If 'm' and 'n' are whole numbers such that  $m^n=121$ , the value of  $(m-1)^{n+1}$  is...**
- (a) 1      (b) 10      (c) 100      (d) 1000
- 25. A body weighs 50 grams in air and 40 grams in water. How much would it weigh in a liquid of specific gravity 1.5?**
- (a) 30 grams      (b) 35 grams      (c) 65 grams      (d) 45 grams

- 1) Ministry of Agriculture & Farmers Welfare launched the scheme "Kisan Call Centers (KCCs)" in \_\_\_\_\_ .  
a) 2000                      (b) 2002                      (c) 2004                      (d) 2006
- 2) At which of the following hills the Eastern Ghats join the Western Ghats?  
a) Palani Hills                      b) Anaimudi hills                      c) Nilgiri Hills                      d) Shervoroy Hills
- 3) The Dravidian races are mainly confined at which of the following parts of India?  
a) South India                      b) North India                      c) Eastern India                      d) North-Eastern India
- 4) Community Development Programme was launched in the year \_\_\_\_\_ .  
a) 1955                      b) 1952                      c) 1950                      d) 1948
- 5) Which one of the following dimensions is considered for the computation of Human Development Index?  
a) Education    b) Political Participation    c) Women Empowerment    d) Socio-economic status
- 6) Swachh Bharat Abhiyan is related to?  
a) Urban Housing                      b) Irrigation                      c) Rural Health                      d) Sanitation
- 7) Ramakrishna Mission was established by?  
a) Raja Ram Mohan Roy    b) Mahatma Gandhi    c) Rabindra Nath Tagore    d) Swami Vivekananda
- 8) E- *choupal* (common meeting place in Hindi) is an initiative by \_\_\_\_\_ Limited.  
a) Mahindra                      b) Reliance                      c) Unilever                      d) ITC
- 9) The first newspaper in India was published from \_\_\_\_\_ .  
a) Calcutta                      b) Bombay                      c) Madras                      d) Karachi
- 10) DOTS is a national program to address \_\_\_\_\_ .  
a) Malaria                      b) Filaria                      c) Tuberculosis                      d) Japanese Tuberculosis
- 11) Development refers to  
a) Increasing productivity                      b) Raising the standards of living  
c) Longer life expectancy                      d) All of the above
- 12) Full form of MGNREGA is...  
a) Mahatma Gandhi National Rural Employment Guarantee Agency  
b) Mahatma Gandhi National Rural Employment Guarantee Act  
c) Mahatma Gandhi National Rural Employment Generation Act  
d) Mahatma Gandhi National Rural Energy Generation Agency



**24) Chipko Andolon' is known as**

- a) Feminist Movement   b) Tribal Movement   c) Political Movement   d) Caste Movement

**25) Which app has been launched by the Government of India to collect geotagged data on the highly contagious COVID-19?**

- a) Aarogya Setu App   b) Sahyog App   c) BHIM   d) None of the above

SAMPLE QUESTIONS

**26. Populations are said to be sympatric when...**

- (a) two populations are physically isolated by natural barriers
- (b) two populations live together and freely interbreed to produce sterile offspring
- (c) two populations share the same environment but cannot interbreed
- (d) two populations are isolated but occasionally come together to interbreed.

**27. Polyploid derived from two different species is called...**

- (a) Autopolyploid
- (b) Triploid
- (c) Allopolyploid
- (d) Monoploid

**28. According to Hugo de Vries, the mechanism of evolution is...**

- (a) Multiple step mutations
- (b) Minor mutations
- (c) Phenotypic variations
- (d) Saltation

**29. Which one of the following population interactions is widely used in medical science for the production of antibiotics?**

- (a) Commensalism
- (b) Amensalism
- (c) Parasitism
- (d) Mutualism

**30. Pollen grains of a plant whose  $2n = 28$  are cultured to get callus by tissue culture method. What would be the number of chromosomes in the cells of the callus?**

- (a) 28
- (b) 21
- (c) 14
- (d) 56

**31. Palaeontologists unearthed a human skull during excavation. A small fragment of the scalp tissue was still attached to it. Only little DNA could be extracted from it. If the genes of the ancient man need to be analysed, the best way of getting sufficient amount of DNA from this extract...**

- (a) Subjecting the DNA to polymerase chain reaction
- (b) Subjecting the DNA to gel electrophoresis
- (c) Treating the DNA with restriction endonucleases
- (d) Hybridising the DNA with a DNA probe

**32. *Bt* brinjal is an example of transgenic crops. In this, BT refers to...**

- (a) *Bacillus tuberculosis*
- (b) Biotechnology
- (c) Betacarotene
- (d) *Bacillus thuringiensis*

**33. Which one of the following is the most primitive ancestor of man?**

- (a) *Homo habilis*
- (b) *Australopithecus*
- (c) *Rampithecus punjabicus*
- (d) *Homo neanderthalensis*

**34. Which one of the following is an exotic carp species?**

- (a) *Barbus stigma*
- (b) *Cyprinus carpio*
- (c) *Labeo bata*
- (d) *Cirrhinus mrigala*

**35. Offsets are produced by...**

- (a) Meiotic divisions
- (b) Parthenogenesis
- (c) Parthenocarpy
- (d) Mitotic divisions

- 36. Which of the following flowers only once in its life-time?**  
(a) Bamboo species                      (b) Cactus                      (c) Orchid                      (d) Jackfruit
- 37. Which one of the following human cells does not contain mitochondria?**  
(a) Nerve cell                      (b) Red blood cell                      (c) Liver cell                      (d) White blood cell
- 38. Which one of the following is a driving force for the process of ‘passive absorption of water in roots’?**  
(a) Root pressure                      (b) The increase in imbibitional pressure in root cells  
(c) *Transpiration in leaves*                      (d) *Activity of aquaporins*
- 39. Which of the following is an amino acid derived hormone?**  
(a) Epinephrine                      (b) Ecdysone                      (c) Estriol                      (d) Estradiol
- 40. Which of the following hormones can play a significant role in osteoporosis?**  
(a) Aldosterone and Prolactin                      (b) Progesterone and Aldosterone  
(c) Parathyroid hormone and Prolactin                      (d) Estrogen and Parathyroid hormone
- 41. Which one of the followings is the correct pathway for propagation of cardiac impulse?**  
(a) SA node → AV node → Bundle of His → Purkinje fibers  
(b) AV node → Bundle of His → SA node → Purkinje fibers  
(c) SA node → Purkinje fibers → AV node → Bundle of His  
(d) Purkinje fibers → AV node → SA node → Bundle of His
- 42. Which of following two hormones are essential for induced breeding of fishes?**  
(a) TSH and ACTH                      (b) Oestrogen and progesterone  
(c) FSH and LH                      (d) Vassopressin and oxytocin
- 43. When the blood contains a high percentage of CO<sub>2</sub> and a very low percentage of O<sub>2</sub>, the breathing stops and the person becomes unconscious. This condition is known as...**  
(a) Suffocation                      (b) Asphyxia                      (c) Emphysema                      (d) Eupnoea
- 44. Which of the following is commonly used as a vector for introducing a DNA fragment in human lymphocytes?**  
(a) Retrovirus                      (b) Ti plasmid                      (c) pBR 322                      (d) λ phage
- 45. To meet the demands of the society, in vitro production of a large number of plantlets in a short duration is practiced in floriculture and horticulture industry today. This is called...**  
(a) Soma clonal variation                      (b) Hybridoma technology  
(c) Micropropagation                      (d) Somatic hybridization
- 46. The stage during which separation of the paired homologous chromosomes begins is...**  
(a) Pachytene                      (b) Diakinesis                      (c) Zygotene                      (d) Diplotene

- 47. The species, though insignificant in number, determine the existence of many other species in a given ecosystem. Such species is known as...**
- (a) Keystone species      (b) Sacred species      (c) Endemic species      (d) Extinct species
- 48. Pyruvate dehydrogenase complex, needed for the conversion of Pyruvic acid to Acetyl CO-A is located in...**
- (a) Intermembranal space of mitochondria      (b) Matrix of mitochondria  
(c) Cytoplasm      (d) Grana of chloroplast
- 49. Mendel found that the reciprocal crosses yielded identical results. From that he concluded that...**
- (a) sex plays a role in deciding the dominance of a trait  
(b) there is independent assortment of traits  
(c) sex has no influence on the dominance of traits  
(d) there is no dominance of any trait.
- 50. In an experiment demonstrating the evolution of oxygen in Hydrilla, Sodium bicarbonate is added to water in the experimental set-up. What would happen if all other conditions are favourable?**
- (a) Amount of oxygen evolved increases as the availability of carbon dioxide increases  
(b) Amount of oxygen evolved decreases as the availability of carbon dioxide increases  
(c) Amount of oxygen evolved increases as carbon dioxide in Water is absorbed by sodium bicarbonate  
(d) Amount of oxygen evolved decreases as carbon dioxide in water is absorbed by sodium bicarbonate

- 51. Which of the following countries have started the first-of-its-kind naval drill exercise 'Pacific Vanguard'?**  
(a) Japan, South Korea & Australia (b) Japan, Vietnam & Australia  
(c) India, Japan & United States (d) United States, New Zealand & Canada
- 52. On which day the World Intellectual Property Day was observed across the world?**  
(a) 26<sup>th</sup> February (b) 26<sup>th</sup> April (c) 26<sup>th</sup> June (d) 26<sup>th</sup> August
- 53. Which UN agency has listed the 1984 Bhopal gas tragedy among world's major industrial accidents of 20<sup>th</sup> Century?**  
(a) ILO (b) WHO (c) FAO (d) ITU
- 54. Ten years after 26/11, the Indian Navy coordinated the largest-ever coastal defence exercise off the Indian coast on 22-23 January 2019. What is the name of that exercise?**  
(a) Sea Horse (b) Samudra Vijay (c) Operation Blue Hunt (d) Sea Vigil
- 55. Which organisation launched the UNNATI Programme on 17<sup>th</sup> January 2019 to commemorate the 50th anniversary of the first United Nations conference on the exploration and peaceful uses of outer space (UNISPACE 50)?**  
(a) NASA (b) ESRO (c) ISRO (d) All of these
- 56. Name the 35-year-old Indian from Kolkata who becomes world's youngest to climb 7 highest volcanoes and 7 highest mountains in 7 continents?**  
(a) Satyarup Siddhanta (b) Asim Mukhopadhyay  
(c) Arunima Sinha (d) None of these
- 57. The Keoti Waterfalls is located in which state?**  
(a) Karnataka (b) Madhya Pradesh (c) Maharashtra (d) Telangana
- 58. On which public sector bank the Reserve Bank of India has imposed Rs 2 Crore penalty for non-compliance of regulatory directions with regard to SWIFT operations?**  
(a) State Bank of India (b) Punjab National Bank  
(c) Bank of India (d) Bank of Baroda
- 59. Name the mission in which Indian scientists successfully targeted and brought down a live satellite on a Low Earth Orbit with an anti-satellite missile (A-SAT)...**  
(a) Mission Shakti (b) Mission Tripti (c) Mission All Clear (d) Mission Junk Clear
- 60. Name India's first self-made fighter jet which received the final operational clearance for induction into the air force as a fully weaponised fighter jet?**  
(a) Pawan Hans (b) Tejas (c) Light Combat Aircraft Tejas (d) None of these
- 61. The citizens of India in distress can dial which number to get immediate access to emergency services?**  
(a) 111 (b) 121 (c) 112 (d) 122
- 62. Which department launched MANAV: Human Atlas Initiative on May 10, 2019 towards improving knowledge on human physiology?**  
(a) DBT (b) DST (c) Both (a) & (b) (d) Neither (a) nor (b)

- 63. Who were conferred the 2019 Bharat Ratna Award on 25<sup>th</sup> January 2019, India's highest civilian honour, by the President of India Ram Nath Kovind?**  
(a) Pranab Mukherjee, Nanaji Deshmukh and Bhupen Hazarika  
(b) Pranab Mukherjee, Atal Behari Bajpayee and Bhupen Hazarika  
(c) Pranab Mukherjee, Nanaji Deshmukh and Pandit Madan Mohan Malvia  
(d) Asha Bhosle, Nanaji Deshmukh and Bhupen Hazarika
- 64. Grand Central Terminal, Park Avenue, New York is the world's...**  
(a) highest railway station (b) longest railway station  
(c) largest railway station (d) None of these
- 65. For seeing objects at the surface of water from a submarine under water, the instrument used is...**  
(a) periscope (b) telescope (c) kaleidoscope (d) spectroscope
- 66. The roads of cities in the Indus Valley Civilization generally divided the city into...**  
(a) Circular Blocks (b) Rectangular Blocks (c) Triangular Blocks (d) None of these
- 67. Who first applied the name India to the region watered by the Sindhu?**  
(a) British (b) Portuguese (c) Dutch (d) Achaemenid Persians
- 68. 'Apsara' is the name of India's first...**  
(a) Railway Locomotive (b) Helicopter (c) Nuclear Reactor (d) Ground Battle Tank
- 69. Brown Waterfalls are situated in...**  
(a) Australia (b) New Zealand (c) Canada (d) Switzerland
- 70. The Dalton scheme of education is useful for which one of the following?**  
(a) For infants (b) For little children (c) For older children (d) For all of these
- 71. Who is the author of the book 'No Full Stops in India'?**  
(a) Raj Mohan Gandhi (b) Shyam Lal (c) E.M. Forster (d) Mark Tully
- 72. Saraswathi Samman is given annually for outstanding contribution to...**  
(a) classical music (b) education (c) literature (d) fine arts
- 73. *Pencilium* does not swallow the growth of bacterium *Staphylococcus*. This sort of relationship is called...**  
(a) commensalism (b) mutualism (c) predation (d) amensalism
- 74. The speaker of the Lok Sabha can ask a member of the house to stop speaking and let another member speak. This phenomenon is known as...**  
(a) Crossing the floor (b) Yielding the floor  
(c) Point of Order (d) Calling Attention Motion
- 75. The largest river of all the west flowing rivers of the peninsular India is...**  
(a) Tapti (b) Kaveri (c) Krishna (d) Narmada River

76. Behaving in a \_\_\_\_\_ and serious way, even in a \_\_\_\_\_ situation, makes people respect you. Choose the set of words for each blank which best fits the meaning of the sentence as a whole.  
(a) steady, angry (b) cool, astounding (c) calm, difficult (d) flamboyant, tricky
77. Choose the word which is most nearly the SAME in meaning as the given word 'augury'.  
(a) Intention (b) Astronomy (c) Prophecy (d) Vision
78. The president has denied (1)/ that the economy is in recession (2)/ or was go into one (3)/ despite a spate of downcast reports (4). Read each sentence to find out whether there is any grammatical error or idiomatic error in it. The error, if any, will be in one part of the sentence. The number of that part is the answer. Ignore errors of punctuation, if any.  
(a) The president has denied (b) that the economy is in recession  
(c) or was go into one (d) despite a spate of downcast reports
79. 'The boy laughed at the beggar'-which one of the following is the correct change of the voice for the above statement?  
(a) The beggar was laughed by the boy (b) The beggar was being laughed by the boy  
(c) The beggar was being laughed at by the boy (d) The beggar was laughed at by the boy
80. Choose the word that is most nearly opposite in meaning to the given word 'Frequency'.  
(a) Periodicity (b) rarity (c) gradualness (d) persistency
81. " You are thinking very highly about Ravi but he is not so" means...  
(a) Ravi is as good as you think about him  
(b) Ravi is much better, than what you think of him  
(c) You have a good opinion about Ravi but he does not have a good opinion about you  
(d) You have a good opinion about Ravi but he is not as good as you think
82. "Symphony: Composer"- select the pair which has the same relationship...  
(a) Leonardo: music (b) Fresco: painter (c) colours: pallet (d) art: appreciation
83. Although he has failed in the written examination, he is using backstairs influence to get the job. Select the suitable phrase/idioms for the underlined portions of the above statement...  
(a) Political influence (b) Backing influence  
(c) Deserving and proper influence (d) Secret and unfair influence
84. Here are some words translated from an artificial language: *aptaose* means *first base*; *eptaose* means *second base*; and *lartabuk* means *ballpark*. Which word could mean "baseball"?  
(a) buklarta (b) osepta (c) bukose (d) oselarta
85. Look at this series: 544, 509, 474, 439, ... What number should come next?  
(a) 414 (b) 404 (c) 445 (d) 420

86. How many such pairs of letters are there in the word 'SENDING', each of which has as many letters between its two letters as there are between them in the English alphabets?  
 (a) No such letters (b) One (c) Two (d) Three
87. Five children were administered psychological tests to know their intellectual levels. In the report, psychologists pointed out that the child 'A' is less intelligent than the child 'B'. The child 'C' is less intelligent than the child 'D'. The child 'B' is less intelligent than the child 'C' and child 'A' is more intelligent than the child 'E'. Which child is the most intelligent?  
 (a) B (b) A (c) E (d) D
88. Q's mother is sister of P and daughter of M. S is daughter of P and sister of T. How is M related to T?  
 (a) Grandfather or Grandmother (b) Grandfather (c) Grandmother (d) Mother
89. The reason why he wrote the letter was because he could not contact him over the phone. Choose the correct alternative for the Italicized and underlined portions which may improve the sentence.  
 (a) why he wrote the letter was since (b) for which he wrote the letter because  
 (c) why he wrote the letter was that (d) No improvement
90. Choose the word that is closest in meaning to the word 'Lateral'.  
 (a) Central (b) Rational (c) Core (d) Oblique
91. (i) There is a group of five persons – 'A', 'B', 'C', 'D' and 'E'.  
 (ii) One of them is a horticulturist, one is a physicist, one is a journalist, one is an industrialist and one is an advocate.  
 (iii) Three of them – 'A', 'C' and advocate prefer tea to coffee and two of them – 'B' and the journalist prefer coffee to tea.  
 (iv) The industrialist and 'D' and 'A' are friends to one another but two of these prefer coffee to tea.  
 (v) The horticulturist is C's brother. Who is a horticulturist?  
 (a) B (b) A (c) D (d) C
92. The computer is \_\_\_ the room \_\_\_ the third floor \_\_\_ the attic. Complete the sentence with the suitable prepositions...  
 (a) in, on, below (b) in, below, on (c) within, on, above (d) within, above, on
93. Despite having passed out from school over ten years back, most schoolmates *has keep touch* with each other. Which of the phrases (a), (b), (c) and (d) given below each sentence should replace the *italicized* word/phrase in the sentence to make it grammatically correct?  
 (a) are kept touched (b) is keeping touch (c) keep touched (d) had kept in touch
94. Among four words *viz.* (i) Tranquillity, (ii) Loyalty, (iii) Calamity and (iv) Uproar two words may be either synonyms or antonyms. Find out the correct pair.  
 (a) i-ii (b) i-iii (c) i-iv (d) ii-iv
95. Choose the correct meaning of the proverb/idiom 'To put one's hand to plough'.  
 (a) To take up agricultural farming (b) To take a difficult task  
 (c) To get entangled into unnecessary things (d) Take interest in technical work



**99. What will the world Government be expected to do?**

- (a) It will bring about universal happiness and prosperity
- (b) It will end all wars for all time to come
- (c) It will bring about a moral regeneration of mankind
- (d) It will arrange for interplanetary contacts

**100. What was the factor that set one man against another?**

- (a) Material prosperity of certain people in the midst of grinding poverty
- (b) Superior physical strength of some persons
- (c) Colour of the skin or construction of the body
- (d) Some people being educated and other illiterate

SAMPLE QUESTIONS