

**ACC WRITTEN ENTRANCE EXAM SER 126: FEB 2022**

**SET C**

**ACADEMIC CONTENT TEST (ACT)**

INDEX NO \_\_\_\_\_

Time: 3 Hrs

Max Marks: 300

**General Instructions**

1. There are 150 questions and all questions are compulsory.
2. Mark your response on OMR sheet provided for this part of the exam.
3. Each question carries two marks.
4. Don't write anything on the question paper except your Index No in the space provided.

**SECTION A – MATHEMATICS**

1. How many square meters of canvas is required for a conical tent whose height is 3.5m and the radius of the base is 12m?

☒ (a) 471.42m<sup>2</sup>                      (b) 47.14m<sup>2</sup>  
 (c) 4714.2m<sup>2</sup>                      (d) None of these

2. A cylindrical tube is opened at both ends is made up of iron sheet which is 2cm thick. If the outer diameter is 16 cm and its length is 100cm, find how many cubic centimeters of iron has been used in making the tube?

☒ (a) 8800 cm<sup>3</sup>                      (b) 8000 cm<sup>3</sup>                      (c) 8808 cm<sup>3</sup>                      (d) 1800 cm<sup>3</sup>

3. Total surface area of cylinder is ..... Cm<sup>2</sup>.

☒ (a)  $2\pi r(h + r)$                       (b)  $2\pi r(h - r)$   
 (c)  $2\pi h(r^2 - r)$                       (d)  $2\pi r^2(h + r)$

4. The formula for the total surface area of a right circular cone of base radius r, height h and slant height l is .....

(a)  $\pi r(l \times r)$                       (b)  $\pi r^2(l \times r)$                       ☒ (c)  $\pi r(l + r)$                       (d)  $\pi \times r \times l$

5. In triangle ABC, right angled at B.  $\tan A = \frac{1}{\sqrt{3}}$ , find the value of  $\sin A \times \cos C + \cos A \times \sin C$

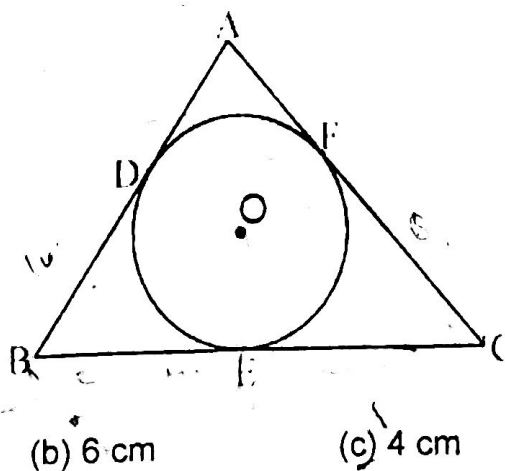
(a) 0                      ☒ (b) 1                      (c) -1                      (d) 2

6. A pole 6m high casts a shadow  $2\sqrt{3}$  m long on the ground, then Sun's elevation is:

☒ (a) 60°                      (b) 45°                      (c) 30°                      (d) 90°

7. If  $\sqrt{3} \sin \theta - \cos \theta = 0$  and  $0^\circ < \theta < 90^\circ$ , find the value of  $\theta$   
 (a)  $120^\circ$  (b)  $30^\circ$  (c)  $90^\circ$  (d)  $60^\circ$
8. If  $\tan \theta = \cot (30^\circ + \theta)$ , find the value of  $\theta$ .  
 (a)  $30^\circ$  (b)  $120^\circ$  (c)  $90^\circ$  (d)  $60^\circ$
9. If  $\sqrt{3} \tan \theta = 3 \sin \theta$ , then find the value of  $\sin^2 \theta - \cos^2 \theta$ .  
 (a) 1 (b)  $\frac{1}{2}$  (c) -2 (d)  $\frac{1}{3}$
10. Find the mode of 14, 25, 14, 28, 18, 17, 18, 14, 23, 22, 14, 18.  
 (a) 14 (b) 28 (c) 23 (d) 22
11. The range of the data 25, 18, 20, 22, 16, 6, 17, 15, 12, 30, 32, 10, 19, 8, 11, 20 is:  
 (a) 10 (b) 26 (c) 15 (d) 18
12. In the class intervals 10-20, 20-30 the number 20 is included in :  
 (a) 10-20 (b) 20-30 (c) both the intervals (d) None of this intervals
13. A dice is thrown once. What is the probability of getting a number 3 or 4?  
 (a)  $\frac{1}{2}$  (b)  $\frac{1}{3}$  (c)  $\frac{2}{5}$  (d)  $\frac{1}{5}$
14. Two coins are tossed simultaneously for 600 times and the outcomes are Two heads : 200 , One head : 160, No head : 240. What is the probability of getting one head?  
 (a)  $\frac{4}{15}$  (b)  $\frac{2}{15}$  (c)  $\frac{15}{4}$  (d)  $\frac{1}{15}$
15. If  $\triangle ABC$  and  $\triangle DEF$  are similar triangles such that  $\angle A = 47^\circ$  and  $\angle E = 83^\circ$  then  $\angle C = ?$   
 (a)  $50^\circ$  (b)  $60^\circ$  (c)  $70^\circ$  (d)  $80^\circ$
16. The limit of  $f(x) = x^2$  when  $x$  tends to zero equals.....  
 (a) zero (b) one (c) two (d) three
17. Find the distance between the following pairs of points. (2 , 3) & (4 , 1)  
 (a) 2 (b)  $\sqrt[3]{2}$  (c)  $2\sqrt{2}$  (d)  $\sqrt{3}$
18. If  $P(\frac{a}{3}, 4)$  is the mid point of the line segment joining the points  $Q(-6, 5)$  and  $R(-2, 3)$ , then the value of  $a$ .  
 (a) 12 (b) 11 (c) -12 (d) 24
19. If  $\cos 3\theta = \sqrt{3}/2$  and  $0 < \theta < 20^\circ$ , then the value of  $\theta$  is  
 (a)  $15^\circ$  (b)  $0^\circ$  (c)  $12^\circ$  (d)  $10^\circ$

20.  $9 \sec^2 \theta + 9 \tan^2 \theta$  is equal to  
☒ (a) 9      (b) -1      (c) -9      (d) 1
21. Find the roots of the equation  $x + \frac{1}{x} = 3$ ,  $x \neq 0$   
 (a)  $a = -1$ ,  $b = -3$ ,  $c = 1$       ☒ (b)  $a = 1$ ,  $b = 3$ ,  $c = -1$   
 (c)  $a = -1$ ,  $b = 3$ ,  $c = -1$       ☒ (d)  $a = 1$ ,  $b = -3$ ,  $c = 1$
22. Sum of interior angles of an octagon is  
 (a)  $1808^\circ$       (b)  $1800^\circ$       (c)  $1880^\circ$       ☒ (d)  $1080^\circ$
23. The angle of elevation of the top of a building 30 m high from the foot of another building in the same plane is  $60^\circ$ , and also the angle of elevation of the top of the second tower from the foot of the first tower is  $30^\circ$ , then the distance between the two buildings is:  
☒ (a)  $10\sqrt{3}$  m      (b)  $15\sqrt{3}$  m      (c)  $12\sqrt{3}$  m      (d) 36 m
24. A, B and C invested Rs 26000, Rs 34000 and Rs 10000 respectively in a business. At the end of the year, they earn a profit of Rs 3500. B's share of profit is:  
 (a) Rs 1200      (b) Rs 1500      ☒ (c) Rs 1700      (d) Rs 1900
25. If the perimeter of the circle and square are equal, then the ratio of their areas will be equal to:  
☒ (a) 14:11      (b) 22:7      (c) 7:22      (d) 11:14
26. The angle formed by the line of sight with the horizontal when the point is below the horizontal level is called:  
☒ (a) Angle of elevation      ☒ (b) Angle of depression  
 (c) No such angle is formed      (d) None of the above
27. In  $\sin 3\theta = \cos(\theta - 26^\circ)$ , where  $3\theta$  and  $(\theta - 26^\circ)$  are acute angles, then value of  $\theta$  is  
 (a)  $30^\circ$       (b)  $27^\circ$       (c)  $26^\circ$       ☒ (d)  $29^\circ$
28. In the given Fig, if  $BC=12$  cm,  $AC= 8$  cm and  $AB = 10$  cm, then  $BE =$


☒ (a) 7 cm

(b) 6 cm

(c) 4 cm

(d) 5 cm



29. Two equal circles touch each other externally at C and AB is a common tangent to the circles. Then,  $\angle ACB =$

- (a)  $60^\circ$  (b)  $45^\circ$  (c)  $30^\circ$  ☒ (d)  $90^\circ$

30. The radius of the top and bottom of a bucket of slant height 35 cm are 25 cm and 8 cm. The curved surface of the bucket is:

- (a) 4000 sq.cm (b) 3500 sq.cm ☒ (c) 3630 sq.cm (d) 3750 sq.cm

31. The minute hand of a watch is 1.5cm long. The distance travelled by the minute hand in 40 minutes is equal to .....

- (a) 3.28 cm (b) 4.28 cm (c) 5.28 cm ☒ (d) 6.28 cm

32. The number obtained on rationalizing the denominator of  $\frac{1}{\sqrt{7}-2}$  is:

- ☒ (a)  $\frac{\sqrt{7}+2}{3}$  (b)  $\frac{\sqrt{7}-2}{3}$  (c)  $\frac{\sqrt{7}+2}{5}$  (d)  $\frac{\sqrt{7}+2}{45}$

33. If  $x=3+2\sqrt{2}$ , find the value of  $(\sqrt{x} - \frac{1}{\sqrt{x}})$ .

- ☒ (a) 2 (b) 3 (c) 1 (d) 5  $40 \times 1.5 = 60$

34. Simplify :  $\sqrt{m^2n^2} \times \sqrt[6]{m^2n^2} \times \sqrt[3]{m^2n^2}$ .

- ☒ (a)  $m^2n^2$  (b)  $m n^2$  (c)  $m^2n$  (d)  $m^3n^2$

35. If  $a = \frac{\sqrt{3}-\sqrt{2}}{\sqrt{3}+\sqrt{2}}$  and  $b = \frac{\sqrt{3}+\sqrt{2}}{\sqrt{3}-\sqrt{2}}$  find the value of  $a^2 + b^2 - 5ab$ .

- (a) 95 (b) 93  
(c) 186 (d) None of these

36. A cone and sphere have the same radius of 12 cm. Find the height of the cone if the cone and sphere have the same volume.

- (a) 18cm (b) 36cm ☒ (c) 48cm (d) 24cm

37. If triangles ABC and DEF are similar and AB=4 cm, DE=6 cm, EF=9 cm and FD=12 cm, the perimeter of triangle is:

- (a) 22 cm (b) 20 cm (c) 21 cm ☒ (d) 18 cm

38. A card is selected at random from a well shuffled deck of 52 playing cards. The probability of its being a face card is

- ☒ (a)  $\frac{3}{13}$  (b)  $\frac{4}{13}$  (c)  $\frac{6}{13}$  (d)  $\frac{9}{13}$

39. A 415 m long train is running at 63 km/hr. In how much time will it cross a tunnel 285 m long?

- (a) 45 sec (b) 52 sec (c) 2 min ☒ (d) 40 sec

$$\begin{array}{r} 285 \\ 415 \\ \hline 700 \end{array} \quad \text{Time} \quad T = \frac{S}{D}$$



40. In a  $\Delta ABC$ , perpendicular AD from A on BC meets BC at D. If  $BD = 8$  cm,  $DC = 2$  cm and  $AD = 4$  cm, then  
☒ (a)  $\Delta ABC$  is isosceles  
☐ (b)  $\Delta ABC$  is right angled at A  
☐ (c)  $\Delta ABC$  is equilateral  
☐ (d)  $AC = 2AB$
41. How much simple interest will Rs 2000 earn in 18 months at 6% per annum?  
☐ (a) Rs 120  
☒ (b) Rs 180  
☐ (c) Rs 216  
☐ (d) Rs 240
42. Evaluate  $40\%$  of 280 +  $28\%$  of 450  
☐ (a) 250  
☐ (b) 252  
☐ (c) 256  
☐ (d) 285
43. Out of an earning of Rs 720 Ram spends 65%. How much does he save?  
☐ (a) Rs 350  
☐ (b) Rs 390  
☒ (c) Rs 252  
☐ (d) Rs 316
44. A can do a piece of work in 8 hours while B alone can do it in 12 hours. Both A and B together can finish the work in:  
☐ (a) 10 hours  
☐ (b) 4 hours  
☐ (c)  $5\frac{1}{4}$  hours  
☒ (d)  $4\frac{4}{5}$  hours
45. If the mean of first  $n$  natural numbers is  $\frac{3n}{5}$ , then the value of  $n$  is:  
☐ (a) 3  
☐ (b) 4  
☒ (c) 5  
☐ (d) 6
46. If  $49x^2 - b = (7x + \frac{1}{2})(7x - \frac{1}{2})$  then the value of 'b' is:  
☐ (a) 0  
☐ (b)  $\frac{1}{\sqrt{2}}$   
☒ (c)  $\frac{1}{4}$   
☐ (d)  $\frac{1}{2}$
47. If  $p(x) = x^2 - 4x + 3$ , evaluate :  $P(2) - p(-1) + p(\frac{1}{2})$   
☒ (a)  $-\frac{31}{4}$   
☐ (b)  $\frac{4}{31}$   
☐ (c)  $-\frac{4}{31}$   
☐ (d)  $\frac{31}{4}$
48. Find the value of  $m$  so that  $2x - 1$  be a factor of  $8x^4 + 4x^3 - 16x^2 + 10x + m$ .  
☒ (a) 2  
☒ (b) -2  
☐ (c) 4  
☐ (d) -4
49. The value of the polynomial  $5x - 4x^2 + 3$  at  $x = -1$  is:  
☐ (a) 6  
☒ (b) -6  
☐ (c) -2  
☐ (d) 2
50. If  $x = \frac{1}{2-\sqrt{3}}$  then the value of  $(x^2 - 4x + 1)$  is:  
☐ (a) 3  
☐ (b) -3  
☒ (c) Zero  
☐ (d) -1

### SECTION B - GENERAL SCIENCE

51. Which one of the following forms of energy leads to least environmental pollution in the process of its harnessing and utilisation?  
☐ (a) Nuclear Energy  
☐ (b) Thermal Energy  
☒ (c) Solar Energy  
☐ (d) Geothermal Energy
52. Which of the following will contain covalent double bond between its atoms?  
☐ (a)  $H_2$   
☒ (b)  $O_2$   
☐ (c) NaCl  
☐ (d)  $Cl_2$

53. Which of the following is not the property of homologous series?  
(a) They differ by  $-CH_2$  units  
(b) They differ by -14 units by mass  
(c) They all contain double bond ✓  
(d) They can be represented by general
54. According to Mendeleev's periodic law, the elements were arranged in the periodic table in the order of .....  
(a) Increasing atomic number (b) decreasing atomic number  
(c) Increasing atomic masses (d) decreasing atomic masses
55. Burning of waste products at high temperature to form ash, reduces waste considerably. This method of waste disposal is called as .....  
(a) Composting (b) sewage treatment  
(c) Recycling (d) incineration ✓
56. Flow of energy in an ecosystem is always .....  
(a) Unidirectional (b) bidirectional  
(c) multi directional (d) no specific direction
57. Solar energy is the universal source of energy. It is converted into chemical energy by  
(a) photovoltaic cells (b) solar cooker  
(c) solar concentrators (d) green plants ✓
58. Acid rain are produced by  
(a)  $NO_2$  and  $SO_2$  (b)  $NH_3$  (c) CO (d)  $CO_2$  ✓
59. Oxygen is returned to the atmosphere mainly by .....  
(a) Burning of fossil fuel (b) respiration  
(c) Photosynthesis (d) fungi ✓
60. Which one is an oil yielding plant among the following?  
(a) Lentil (b) Sunflower (c) Cauliflower (d) Hibiscus ✓
61. Organisms which synthesises the carbohydrates from inorganic compounds using radiant energy are called.....  
(a) decomposers (b) producers (c) herbivores (d) carnivores ✓
62. Which of the following is an example of man-made ecosystem?  
(a) Herbarium (b) Aquarium (c) Tissue Culture (d) Forest ✓
63. Bio magnification is highest in .....  
(a) producer (b) primary consumer  
(c) secondary consumer (d) decomposer ✓



64. Which of the following is not a natural resource?  
 (a) Mango tree (b) Snake  
 (c) Wind (d) ~~Wooden house~~
65. Destruction of forest can cause.....  
 (a) habitat loss (b) floods and droughts  
 (c) soil erosion and degradation (d) ~~All of the above~~
66. The main cause of abundant coliform bacteria in the river Ganga is .....  
 (a) discharge of industrial influents  
 (b) ~~disposal of half or unburnt corpses into water~~  
 (c) immersion of ashes  
 (d) ~~All of the above~~
67. The best measure for water resource management is/are.  
 (a) rain water harvesting (b) constructions of dams  
 (c) ~~Both (a) and (b)~~ (d) None of these
68. The poisonous gas released in the environment due to incomplete combustion of fossil fuels is .....  
 (a) CO<sub>2</sub> (b) ~~CO~~ (c) H<sub>2</sub>S (d) All of these
69. Hess's law is based on .....  
 (a) law of conservation of mass (b) ~~law of conservation of energy~~  
 (c) law of active mass (d) ~~Both (a) and (b)~~
70. When electric current is passed through an ionic hydride in the molten state....  
 (a) ~~hydrogen is liberated at the anode~~  
 (b) hydrogen is liberated at cathode  
 (c) no reaction takes place  
 (d) hydride ions migrates towards cathode.
71. Which metal is extracted from the ore of Bauxite?  
 (a) Magnesium (b) iron (c) tungsten (d) ~~aluminum~~
72. Most \_\_\_\_\_ compounds are called Limes.  
 (a) Phosphorous (b) ~~calcium~~ (c) sodium (d) carbon
73. Naturally occurring acid present in tamarind is  
 (a) Oxalic acid (b) ascorbic acid (c) ~~tartaric acid~~ (d) tannic acid
74. Ammonium hydroxide with phenolphthalein  
 (a) ~~no change~~ (b) ~~turns pink~~ (c) turns green (d) b and c both
75. Which of the following soils is hard to cultivate?  
 (a) Alluvial (b) Red (c) Black (d) ~~Sandy~~



76. If a light travels in a certain medium and it gets reflected off an optically denser medium with high refractive index, then it is regarded as \_\_\_\_\_  
 (a) External Reflection (b) Internal Reflection  
 (c) Both a and b (d) None of the above
77. Aerosol is  
 (a) liquid suspended in gas (b) gas suspended in gas  
 (c) gas suspended in liquid (d) gas suspended in solid
78. Wax is a complex chemical compound of  
 (a) Carbon and oxygen (b) Hydrogen and oxygen  
 (c) Carbon and hydrogen (d) Carbon and sulphur
79. Which of the following is not a noble gas?  
 (a) Helium (b) Xenon (c) Radium (d) neon
80. Paper is mainly made of  
 (a) cellulose (b) silk (c) wool (d) Silica
81. Which of the following forces is a contact force?  
 (a) force of gravity (b) magnetic force  
 (c) force of friction (d) electrostatic force
82. Loudness of sound is measured in units of  
 (a) decibel (dB) (b) metre (m)  
 (c) hertz (Hz) (d) metre/second (m/s)
83. Ultrasound has frequency of vibration  
 (a) between 20 and 20,000 Hz (b) below 20 Hz  
 (c) above 20,000 Hz (d) between 500 and 10,000 Hz
84. The potential difference between two terminals can be measured by  
 (a) an ammeter (b) voltmeter  
 (c) ohm meter (d) rheostat
85. Theory of relativity was given by  
 (a) Archimedes (b) Albert Einstein  
 (c) Sir Isaac Newton (d) Charles Darwin
86. If the temperature and pressure of  $2\text{dm}^3$  of  $\text{CO}_2$  are doubled, then volume of  $\text{CO}_2$  would become?  
 (a)  $4\text{dm}^3$  (b)  $8\text{dm}^3$  (c)  $2\text{dm}^3$  (d)  $5\text{dm}^3$
87. The gas law giving relationship between volume and pressure of gas?  
 (a) Boyle's Law (b) Charle's Law (c) Graham's Law (d) Dalton's Law
88. A train covers first 120 Km in 2 hours, next 160 Km in 3 hours and last 140 Km again in 2 hours. Find the average speed of the train.  
 (a) 15 km/h (b) 25 km/h (c) 60 km/h (d) None of above

89. Velocity and \_\_\_\_\_ have the same unit.  
(a) mass (b) speed (c) acceleration (d) friction
90. What is the full form of CNG used as fuel  
(a) Component Neutral Gas (b) Continuous Nano Gas  
(c) Compressed Natural Gas (d) Compressed Nitrogen Gas
91. In SONAR, we use .....  
(a) ultrasonic waves (b) infrasonic waves  
(c) radio waves (d) audible sound waves
92. The angular velocity of a wheel increases from 100 rps to 300 rps in 10 s. The number of revolutions made during that time are .....  
(a) 600 (b) 1500 (c) 1000 (d) 2000
93. What is the maximum number of 60W bulbs that can be run from the mains supply of 220 volts, if you do not want to overload a 5A fuse?  
(a) 12 bulbs (b) 18 bulbs (c) 20 bulbs (d) 14 bulbs
94. The far point of eye of a person is 2m. The type of the lens needed in spectacles to increase the far point to infinity is .....  
(a) concave lens (b) convex lens  
(c) cylindrical lens (d) bifocal lens
95. Splitting of white light into seven colours on passing through a glass prism is due to .....  
(a) Dispersion (b) refraction (c) scattering (d) reflection
96. If a wire of resistance  $R$  is melted and recast to half of its length, the new resistance of the wire will be .....  
(a)  $\frac{R}{4}$  (b)  $\frac{R}{2}$  (c)  $R$  (d)  $2R$
97. What is the minimum resistance which can be made using five resistors which can be made using five resistors each of  $\frac{1}{5} \Omega$ ?  
(a)  $\frac{1}{5} \Omega$  (b)  $\frac{1}{25} \Omega$  (c)  $\frac{1}{10} \Omega$  (d)  $25 \Omega$
98. Why are drops and bubbles spherical?  
(a) Surface with minimum energy (b) Surface with maximum energy  
(c) High Pressure (d) Low Pressure
99. The collisions of the molecules of an ideal gas are  
(a) Elastic (b) inelastic  
(c) Completely inelastic (d) partially elastic
100. The shape of a molecule depends upon ...  
(a) number of bonded valence electron pairs  
(b) number of non-bonded valence electron pairs  
(c) All the electrons  
(d) Both (a) and (b) above

### SECTION C – HUMANITIES

101. With the growth of nationalism, who created the image of Bharat Mata in the 20<sup>th</sup> century?

- (a) Nand Lal Bose  
(c) Rabindranath Tagore
- ~~(b) Abanindranath Tagore~~  
~~(d) Bankim Chandra Chattopadhyay~~

102. Find the incorrect options:

- (a) Mahatma Gandhi returns to India from South Africa in 1918.  
(b) In 1918, Gandhiji went to Ahmedabad to organize a Satyagrahi Movement.  
(c) Khilafat Movement was started in 1921.  
~~(d) Jallianwala Bagh massacre took place on 13 April in 1918.~~

103. Arrange the following in correct sequence.

- |                                |                                    |
|--------------------------------|------------------------------------|
| 1. Depressed Class Association | 2. Rowlatt Act                     |
| 3. Poona Pact signed           | 4. Gandhiji travelled to Champaran |
| (a) 1, 2, 3, 4                 | (b) 1, 3, 2, 4                     |
|                                | <del>(c) 4, 2, 1, 3</del>          |
|                                | (d) 2, 1, 3, 4                     |

104. The President of Muslim League in 1930 was .....

- ~~(a) Sir Md Iqbal~~  
(c) Sir Sayyad Ahmed Khan
- ~~(b) Khan Abdul Gafarkhan~~  
(d) None of these

105. 'The Oudh Kisan Sabha' in Awadh was headed by .....

- (a) Sardar Vallabhai Patel  
~~(c) Jawahar Lal Nehru~~
- (b) Lala Lajpatrai  
(d) Morarji Desai

106. Which species of trees are suited for building ships and railways?

- (a) Teak  
(c) Sal
- (b) Mahogany  
~~(d) Both (a) and (c)~~

107. Which tribal community (s) is / are living in Bastar?

- (a) Maria and Muria Gonds  
(c) Bhatras and Halbas
- (b) Dhurwas  
~~(d) All of the above~~

108. Who are the pastoral nomadic communities of Jammu and Kashmir?

- ~~(a) Gujjar Bakarwals~~  
(c) Bhotiyas
- (b) Gaddi Shepherds  
(d) Sherpas

109. Nomadic tribes need to move from one place to another because of .....

- (a) because of seasonal changes  
(c) to maintain ecological balance
- (b) in search of pastures  
~~(d) All of the above~~



110. India does not share boundaries with which of the following countries?  
(a) Bangladesh  
(c) Nepal  
☒ (b) Mauritius  
☒ (d) Maldives
111. Movement of ocean water horizontally due to wind on surface of ocean is called  
(a) ocean current ✓  
(c) global current  
(b) surface current  
(d) alternate current ✗
112. Which one of the following has the longest duration?  
☒ (a) Eons (b) Period ☒ (c) Era (d) Epoch
113. Two ionic layers are present in:  
(a) Troposphere  
☒ (c) Heterosphere  
(b) Mesosphere  
☒ (d) Thermosphere
114. Which of the following Mountain passes forms the 'tri-junction' of India, China and Myanmar?  
☒ (a) Nathu La (b) Jelep La (c) Bomdi La ☒ (d) Diphu
115. Which Indian state is having longest coastline?  
(a) Maharashtra ☒ (b) Gujarat (c) Andhra Pradesh (d) Tamilnadu
116. Which of the following Indian States/UT has the maximum percentage of mangrove cover in the country?  
☒ (a) Gujarat ☒ (b) West Bengal  
(c) Andaman and Nicobar (d) Orissa
117. Which officials must be elected for any government to be called a democracy?  
☒ (a) Certain people from different constituencies passing the criteria to be elected  
(b) Any adult of the country  
(c) Only Bureaucrats  
(d) Heads of different organizations
118. The President of India can be removed from his office by the  
(a) Prime Minister ☒ (b) Parliament  
(c) Chief Justice of India (d) Lok Sabha
119. In which of the following states Panchayati Raj system was first Introduced  
(a) Gujarat (b) Uttar Pradesh ☒ (c) Rajasthan (d) Orissa

120. Which among the following great revolutionaries was the brain behind the 'Chittagong Armoury Raid'?
- (a) Ganesh Ghosh  
☒ (c) Surya Sen  
(b) Chandrashekhar Azad  
(d) Lala Hardayal
121. Which of the following countries separated from India by a narrow channel of sea formed by the Palk Strait and the Gulf of Mannar?
- (a) Bangladesh  
☒ (c) Sri Lanka  
(b) Myanmar  
(d) Maldives
122. .... are geographically young and structurally fold mountains that stretch over the Northern border of India.
- (a) Aravallis  
☒ (c) Himalayas  
(b) Vindhyas  
(d) Cardamom Hills
123. The Northern plains have been formed by the interplay of how many river systems in India?
- (a) Two  
☒ (b) Three  
(c) Four  
(d) One
124. The rivers perform intensive erosional activities in which course?
- (a) Middle Course  
☒ (b) Upper course  
(c) Lower course  
(d) All of these
125. What is the duration of monsoon in India?
- (a) 100-180 days  
☒ (b) 100-120 days  
(c) 80-120 days  
(d) 90-110 days
126. Which of the following animals of India are critical on the threatened list?
- (a) Mountain quail  
☒ (d) All of these  
(b) Pink-headed duck  
(c) Cheetah
127. Which of the following factors are responsible for depletion of forest and wildlife?
- (a) Agricultural expansion  
☒ (d) All of these  
(b) Mining  
(c) Grazing
128. Which of the following National Park is the site dedicated to preservation of one-horned rhinoceros?
- (a) Bandhavgarh National Park  
☒ (c) Kaziranga National Park  
(b) Buxa Wildlife Reserve  
(d) All of the above

129. Which of the following places gets the highest rainfall in the world?  
☒ (a) Mawsynram (b) Aizawl  
 (c) Shillong (d) Cherrapunji
130. In which part of India, rooftop rainwater harvesting is chiefly practiced?  
 (a) Western Rajasthan (b) Eastern Kerala  
 (c) Eastern Rajasthan ☒ (d) Western Tamil Nadu
131. Which of the following part of the Sun is visible to humans?  
☒ (a) Photosphere ☒ (b) Corona (c) Chromospheres (d) Core
132. When was law making conversion to Christianity made easier?  
 (a) 1810 ☒ (b) 1815 ☒ (c) 1850 (d) 1855
133. Globalization opportunities for paid work for women has denied them:  
 (a) good health (b) good education  
☒ (c) permanent job (d) none of these
134. Bakht Khan was a soldier from  
 (a) Meerut (b) Agra ☒ (c) Bareilly (d) Delhi
135. Which was one of the last territories that the British had annexed in 1856?  
☒ (a) Jhansi (b) Kanpur ☒ (c) Awadh (d) Lahore
136. Who among the following is called the father of Nationalism in India?  
☒ (a) Raja Rammohun Roy (b) Bal Gangadhar Tilak  
 (c) Mahatma Gandhi (d) Dadabhai Naoroji
137. When did World War - II start ?  
 (a) 28 June 1914 (b) 11 November 1918  
☒ (c) 3 September 1939 (d) 1 June 1941
138. Which among the following is the short name of highest authority in India for Indirect Taxes?  
 (a) CBED (b) CBDT (c) CBEC ☒ (d) CBIT
139. In which year was the UNO awarded the Nobel Peace Prize?  
☒ (a) 1975 (b) 1999 ☒ (c) 2001 (d) 2006
140. All of the following were causes of WW - I except?  
☒ (a) Invasion of Poland ☒ (b) Nationalism  
 (c) Imperialism (d) Alliance System



141. Suffragette Movement means a movement to give women the right to .....  
☒ (a) vote (b) property  
(c) equality ✓ (d) None of these
142. Who thought the private property is the root of all social ills of the time?  
☒ (a) Socialists (b) Democrats  
(c) Liberals (d) None of these
143. Germany, Italy and Japan were jointly known as .....  
(a) allied powers ☒ (b) axis powers  
(c) centralist powers (d) None of these
144. Nazi propaganda skillfully projected Hitler as a ...  
(a) messiah (b) saviour  
☒ (c) Both (a) and (b) (d) None of these
145. Find the incorrect option  
(a) Hitler's racism was borrowed from the ideas of Charles Darwin and Herbert Spencer.  
☒ (b) Mills idea of 'Survival of the fittest' was accepted by Hitler.  
☒ (c) The Jews were regarded as the arch-enemies of the Aryans  
(d) Hitler believed that new territories had to be acquired for settlement
146. When was the first clear expression of nationalism noticed in Europe?  
(a) 1787 (b) 1759 ☒ (c) 1789 (d) 1769
147. Which of the following revolutions is called as the first expression of 'Nationalism'?  
☒ (a) French Revolution (b) Russian Revolution  
(c) Glorious Revolution (d) The revolution of liberals
148. Arrange the following in the sequence.  
1. Treaty of Vienna 2. Napoleonic Wars began  
3. Unification of Italy 4. French Revolution  
(a) 4, 2, 1, 3 ☒ (b) 4, 3, 2, 1 ☒ (c) 1, 2, 3, 4 (d) 1, 4, 3, 2
149. Gandhiji organized a Satyagraha to support the peasants of the Kheda district of Gujrat in  
(a) 1915 (b) 1916 (c) 1917 (d) 1981  
1918

150. Which province did not boycott the council election?
- ☒ (a) Madras                      (b) Ahmedabad                      (c) Hyderabad                      (d) Lucknow

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