

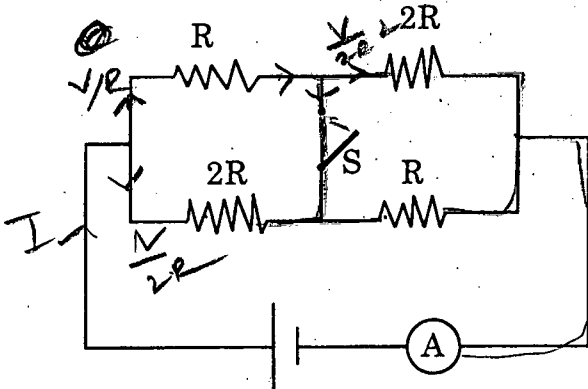
**PART - III****APTITUDE TEST (Q. Nos. 91 to 180)****Max. Marks - 90****Note :****i. Subjects, Questions Sl. No. and Marks allotted :**

1. Physics	91 to 102 Questions	12 Marks
2. Chemistry	103 to 113 Questions	11 Marks
3. Biology	114 to 125 Questions	12 Marks
4. Mathematics	126 to 145 Questions	20 Marks
5. History	146 to 155 Questions	10 Marks
6. Geography	156 to 165 Questions	10 Marks
7. Political Science	166 to 175 Questions	10 Marks
8. Economics	176 to 180 Questions	05 Marks

ii. **SHADE** the circle having the correct alternative in the OMR Sheet provided, from among the ones given against the corresponding question in the Question Paper Booklet. For shading the circles, use **HB Pencil**.

PHYSICS

91. A circuit is shown in the figure. If switch 'S' is closed, the reading of an ammeter(A)



- (1) does not change
- (2) increases
- (3) decreases
- (4) may decrease or increase

92. Four students discuss about the possible paths of a particle moving with constant speed. See the table for the results of the discussion.

Name	Possible path or paths
Anand	Any path
Srinu	Straight line, Circle, Helix
Krishna	Straight line
Somesh	Straight line, Circle

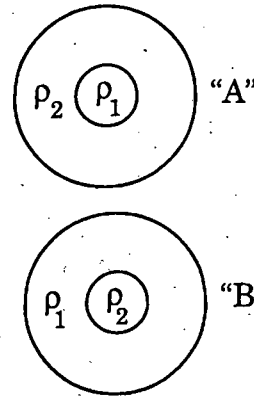
Who is correct ? Assume that the forces acting on the particle are time independent.

- (1) Srinu
- (2) Anand
- (3) Somesh
- (4) Krishna

$I_1 > I_2$

$\frac{1}{2} - \frac{1}{3} = \frac{1}{6}$

93. Two planets 'A' and 'B' of same mass and same radius are shown in the figure. ρ_1 and ρ_2 are densities of the materials in the planets and $\rho_1 > \rho_2$. If the accelerations due to gravity on the surfaces of the planets A and B are g_A and g_B respectively, then



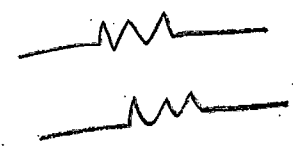
- (1) Given information is not sufficient
- (2) $g_A < g_B$
- (3) $g_A > g_B$
- (4) $g_A = g_B$

$I = 1 \text{ kg} - 2 \text{ m}$

$I = 1 \text{ kg} - 3$

94. An electric stove boils 1 kg of water in time 2 min and another stove boils 1 kg of water in time 3 min. Both electric stoves are designed for the same voltage. When they are joined in parallel, the time required to boil 1 kg of water is

- (1) 1.2 min
- (2) 5 min
- (3) 2.4 min
- (4) 1 min

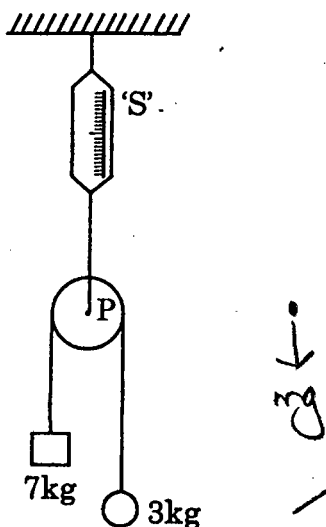


[Turn Over

$\frac{1}{2} = \frac{1}{3} + \frac{1}{x}$

$x = \frac{1}{\frac{1}{2} - \frac{1}{3}} = \frac{1}{\frac{1}{6}} = 6$

95. In the figure, a pulley of negligible weight is suspended by a spring balance 'S'. Masses of 3 kg and 7 kg respectively are attached to opposite ends of a string passing over a pulley 'P'. The spring balance reads

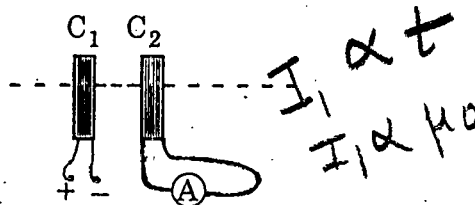


- (1) equal to 10 kg
- (2) less than 10 kg
- (3) more than 10 kg
- (4) equal to 4 kg

96. A small ball is dropped from a balloon moving vertically up at a speed 10 m/s when the balloon is at a height 15 m from the ground. Neglect air friction and take $g = 10 \text{ m/s}^2$. Which of the following is not suitable to the present situation?

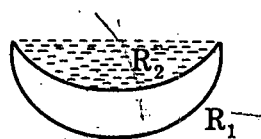
- (1) The ball reaches the ground in 3 s
- (2) The ball covers a distance of 25 m
- (3) The magnitude of average velocity of the ball is 8.33 m/s
- (4) The ball moves up at a speed 10 m/s at an instant when it is dropped from the balloon

97. Two coils C_1 and C_2 are arranged coaxially as shown in figure. The ends of the coil C_2 are connected to an ammeter A. The current sent through the coil C_1 is directly proportional to the time. If the magnetic field induction produced by the coil C_1 is proportional to the current in it, then the induced current through the coil C_2 is



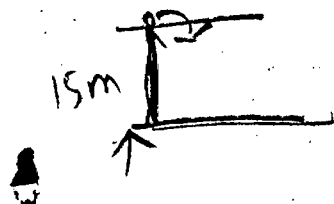
- (1) zero
- (2) increasing with time
- (3) constant
- (4) decreasing with time

98. As shown in figure, a liquid of refractive index ' n_2 ' is poured onto the concave surface of concave-convex lens. R_1 and R_2 are the radii of curvature of convex and concave surfaces of the lens respectively and $R_1 = 2R_2$. The refractive index of material of lens is n_1 . For which combination of n_1 and n_2 , the whole system behaves as a diverging lens.



- (1) $n_1 = 1.2$ and $n_2 = 1.8$
- (2) $n_1 = 1.63$ and $n_2 = 1.35$
- (3) $n_1 = 1.56$ and $n_2 = 1.33$
- (4) $n_1 = 1.7$ and $n_2 = 1.33$

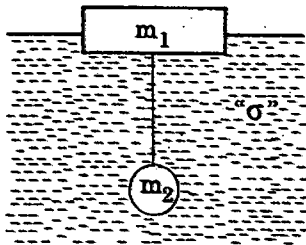
Handwritten mark



Handwritten calculations for question 96:
 $u = 10 \text{ m/s}$
 $h = 15 \text{ m}$

Handwritten calculations for question 98:
 $15 = \frac{1}{2} \times 10 \times t^2 - \frac{1}{2} g t^2$
 $\Rightarrow 15 = 5t - 5t^2$
 $\Rightarrow t^2 - t + 15 = 0$

99. A cork of mass m_1 and a steel of mass m_2 are tied to the ends of a massless string. The whole system is kept in a liquid of density ' σ ' as shown in figure. ρ_1 and ρ_2 are densities of cork and steel respectively. Which of the following is wrong?



(1) The tension in the string

$$T = m_2 g \left(1 - \frac{\sigma}{\rho_2} \right) \text{ when the system is in equilibrium}$$

(2) The cork is completely immersed in the liquid if

$$(m_1 + m_2) \rho_1 \rho_2 < (m_1 \rho_2 + m_2 \rho_1) \sigma$$

(3) The volume of submerged part of cork is equal to

$$\frac{m_1}{\sigma} + \frac{m_2}{\sigma} \left(1 - \frac{\sigma}{\rho_2} \right) \text{ when the system is in equilibrium}$$

(4) The system sinks if

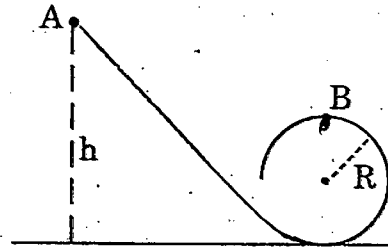
$$T > m_1 g \left(\frac{\sigma}{\rho_1} - 1 \right)$$

$u_2 = 225 = 2 \times 10 \times 10$
 $u_2 = 5\sqrt{5}$
 $\frac{2 \times 10 \times 10}{2 \times 10 \times 10}$
 $\frac{100}{25}$

100. One vessel with ice of 10 gr at 0°C and another similar vessel with water of 100 gr at 0°C are taken and hung in a room. After 15 min., the temperature of water is raised to 2°C . The time required for the ice to be converted completely into water is

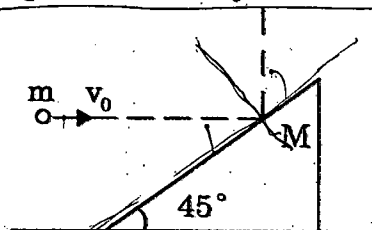
- (1) 1 hr (2) $\frac{1}{2}$ hr
 (3) $1\frac{1}{2}$ hr (4) 2 hr

101. In the figure shown, a particle is released from the position A on a smooth track. If $h = 3R$, then the normal force on the particle by the track at B is



- (1) $\frac{mg}{2}$ (2) $\frac{3mg}{2}$
 (3) mg (4) $2mg$

102. A body is made in the form of wedge with an angle 45° . See figure. A ball of mass m , moving horizontally at a speed $v_0 = \sqrt{2} \text{ m/s}$, collides with the wedge of mass $M = 2m$. As a result of the impact, the ball bounces vertically upward. Neglect the friction between the wedge and horizontal surface. The speed of the ball just after the impact is



- (1) 0.5 m/s (2) 2 m/s
 (3) $\sqrt{2} \text{ m/s}$ (4) 1 m/s

$u_2 = 100 = 2 \times 10 \times 15$
 $\Rightarrow u = 20$
 [Turn Over]

CHEMISTRY

103. What are the values of the quantum numbers of 19th electron of Scandium ($Z = 21$) ?
- (1) $n = 4; l = 0; m = 0; m_s = +\frac{1}{2}$
 (2) $n = 4; l = 1; m = 0; m_s = +\frac{1}{2}$
~~(3) $n = 4; l = 2; m = 1; m_s = +\frac{1}{2}$~~
 (4) $n = 4; l = 3; m = 2; m_s = +\frac{1}{2}$
104. First and second ionisation energies of magnesium are 7.646 eV and 15.035 eV respectively. The amount of energy in kJ needed to convert all the atoms of magnesium into Mg^{2+} ions present in 12×10^{-3} g of magnesium vapour is [$1 \text{ eV atom}^{-1} = 96.5 \text{ kJ mol}^{-1}$]
- (1) 2.0
 (2) 1.5
~~(3) 1.1~~
 (4) 0.5
105. Which one of the following possesses covalent, ionic as well as co-ordinate covalent bonds ?
- (1) HCl
~~(2) NH_4Cl~~
 (3) Cl_2
 (4) CH_4
106. $Mg + CuO \longrightarrow MgO + Cu$
 Which of the following is wrong relating to the above reaction ?
- (1) CuO gets reduced
 (2) Mg gets oxidised
~~(3) CuO gets oxidised~~
 (4) It is a redox reaction
107. How many number of 'sigma' bonds are present in $CH_3 - C \equiv N$?
- (1) 4
 (2) 3
~~(3) 2~~
 (4) 5
108. The IUPAC name of
- $$\begin{array}{ccccccc} CH_3 & CH_2 & -CH_2 & -CH & -CH_2 & CH_2 & CH_3 \\ & & & | & & & \\ & & & CH=CH_2 & & & \end{array}$$
- is
- ~~(1) 4-ethelene-1-heptane~~
 (2) 3-propyl-hex-1-ene
 (3) 4-propyl-hex-6-ene
 (4) 3-propyl-1-heptane



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109. How many number of protons and electrons are present in Ca^{2+} ?

- (1) 20 protons ; 20 electrons
- (2) 20 protons ; 22 electrons
- (3) 18 protons ; 18 electrons
- (4) 20 protons ; 18 electrons

110. What is the wavelength of radiation whose frequency is $2 \times 10^{14} \text{ S}^{-1}$?

Velocity of radiation is $3 \times 10^8 \text{ m/s}$.

- (1) $1.5 \times 10^{-6} \text{ m}$
- (2) $1.8 \times 10^{-6} \text{ m}$
- (3) $1.2 \times 10^6 \text{ m}$
- (4) $1.5 \times 10^{-6} \text{ m}$

111. The electronic configuration of the atom of an element 'X' is $(n-2) s^2 (n-1) s^2 (n-1) p^6 n s^2 n p^5$. If $n = 3$, the element 'X' is placed in modern periodic table

- (1) 7th group, 3rd period
- (2) 17th group, 3rd period
- (3) 17th group, 5th period
- (4) 3rd group ; 3rd period

112. How many moles of electrons weigh one kilogram ? Mass of electron = $9.108 \times 10^{-31} \text{ kg}$; Avagadro number = 6.023×10^{23} .

- (1) $\frac{1}{9.108 \times 6.023} \times 10^8$
- (2) 6.023×10^{23}
- (3) $\frac{1}{9.108} \times 10^{31}$
- (4) $\frac{6.023}{9.108} \times 10^{54}$

113. Which one of the following oxides gives pink colour with phenolphthalein indicator in aqueous solution ?

- (1) N_2O
- (2) NO
- (3) CaO
- (4) CO_2

BIOLOGY

114. Plant cells can withstand greater changes in surrounding medium than animal cells because of their _____

- ~~(1) Cell wall~~
- (2) Plasma membrane
- (3) Chlorophyll
- (4) Root system

115. The following eukaryotic cells do not contain nucleus

- a) Red blood cells
- b) Slime molds
- c) Phloem sieve tube
- d) White blood cells

- (1) a) and b)
- (2) b) and c)
- ~~(3) a) and c)~~
- (4) d) and a)

116. Study of tissues is

- ~~(1) Cytology~~
- (2) Pathology
- (3) Tissueology
- (4) Histology

117. The element present in Chlorophyll

- (1) Iron
- (2) Magnesium
- ~~(3) Manganese~~
- (4) Copper

118. In animals, the protective tissue inside or outside the body is _____

- ~~(1) Epithelial tissue~~
- (2) Nerve tissue
- (3) Muscular tissue
- (4) Connective tissue

119. In paramoecium, food enters the body through _____

- ~~(1) Mouth~~
- (2) Pseudopodia
- (3) Cilia
- (4) Cytosome

120. The longest part in human alimentary canal is _____

- (1) Oesophagus
- ~~(2) Small intestine~~
- (3) Large Intestine
- (4) Stomach



121. In this disease, caused due to protein deficiency face and limbs are swollen

- ~~(1) Kwashiorkor~~
- (2) Marasmus
- (3) Rickets
- (4) Pellagra

122. During respiration, gaseous exchange takes place in _____

- ~~(1) Alveoli~~
- (2) Pharynx
- (3) Trachea
- (4) Nasal cavity

123. Metanephridia are the excretory organs in _____

- (1) Reptilians
- (2) Arthropodans
- ~~(3) Annelids~~
- (4) Molluscans

124. Scopolamine, a sedative is produced from _____

- (1) Neem
- (2) Rose

~~(3) Datura~~

~~(4) Tobacco~~

125. The hormone that effects urination is _____

(1) Adrenalin

~~(2) Vasopressin~~

(3) Estrogen

(4) Thyroxin

MATHEMATICS



3.61
5
18.05

3.31
3
9.93
a =

126. Triangle ABC has a right angle

at C. If $\sin A = \frac{2}{3}$ then $\tan B$ is

(1) $\frac{3}{5}$

(2) $\frac{\sqrt{5}}{3}$

(3) $\frac{2}{\sqrt{5}}$

(4) $\frac{\sqrt{5}}{2}$



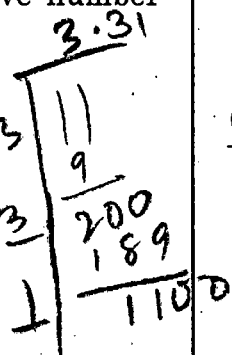
127. Find the smallest positive number from the numbers below

(1) $10 - 3\sqrt{11} = 0.07$

(2) $3\sqrt{11} - 10 = -0.07$

(3) $51 - 10\sqrt{26} = 0.16$

(4) $18 - 5\sqrt{13} =$



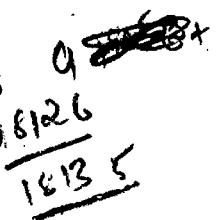
128. If $x = 9ab$ where a is an integer consists of a sequence of 2014 eights and the integer b consists of a sequence of 2014 fives. What is the sum of the digits of x?

(1) 9000

(2) 18135

(3) 18000

(4) 8585



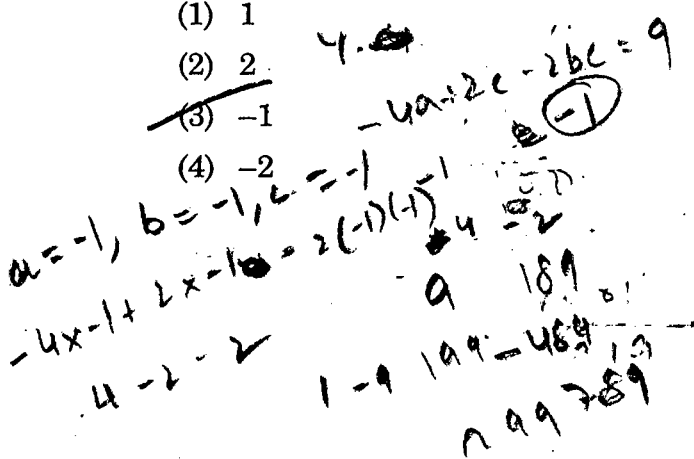
129. If $a^2 + b^2 + 2c^2 - 4a + 2c - 2bc + 5 = 0$ then the possible value of $a + b - c$

(1) 1

(2) 2

(3) -1

(4) -2



130. a and b are both 4-digit numbers $a > b$ and one is obtained from the other by reversing the digits. Then

the value of b if $\frac{a+b}{5} = \frac{b-1}{2}$ is

(1) 2003

(2) 1002

(3) 2005

(4) 2015

131. The value of

$$\frac{(10^4 + 324)(22^4 + 324)(34^4 + 324)(46^4 + 324)(58^4 + 324)}{(4^4 + 324)(16^4 + 324)(28^4 + 324)(40^4 + 324)(52^4 + 324)}$$

is

(1) 324

(2) 400

(3) 373

(4) 1024

132. Let $x = 0.123456789101112 \dots$ 998999 where the digits are obtained by writing the integers 1 through 999 in order. Then the 2014th digit to right of the decimal point is

(1) 7

(2) 6

(3) 5

(4) 9

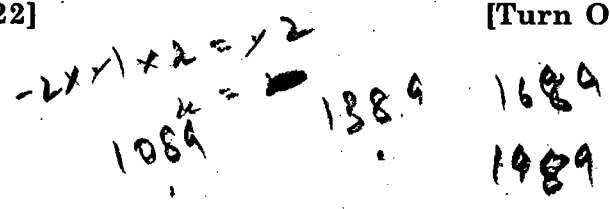
133. ABC is a right angled triangle with $\angle B = 90^\circ$. M is the mid point of AC and $BM = \sqrt{117}$ cm. Sum of the lengths of the sides AB and BC is 30 cm. The area of the triangle is

(1) $96 \text{ cm}^2 = 144$

(2) $108 \text{ cm}^2 = 216$

(3) 114 cm^2

(4) $125 \text{ cm}^2 = 250$



1002+

2002
2

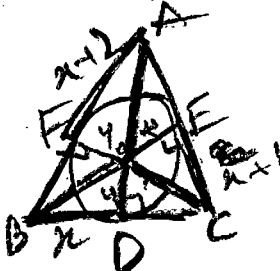
9 + 150 + 300 = 450
299 - 789

NTSE (EE)

10 - 99
399 - 1089

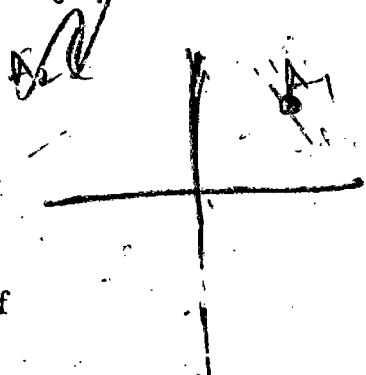
134. In a triangle ABC, the incircle touches the sides BC, CA and AB at D, E, F respectively. If the radius of the incircle is 4 units and if BD, CE and AF are consecutive integers the lengths of the sides of the triangle are

- (1) 13, 14, 15
- (2) 6, 8, 10
- (3) 3, 4, 5
- (4) 5, 12, 13



135. In the coordinate plane, the set of points $A_0, A_1, A_2, A_3, \dots, A_n$ are determined as follows. A_0 is the origin. A_1 is the point (3, 4), A_2 is the image of A_1 reflected through the origin, for $k \geq 3$ A_k is the image of A_{k-1} reflected through A_{k-2} . Then the length of the line segment $\overline{A_0 A_7}$ is

- (1) 100
- (2) 215
- (3) 125
- (4) 251

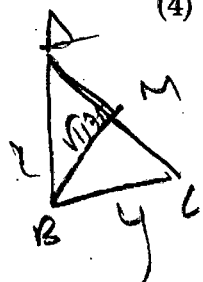


136. The value of

$$\frac{(2014^2 - 2020)(2014^2 + 4028 - 3)(2015)}{(2011)(2013)(2016)(2017)}$$
 is

- (1) 2014
- (2) 2015
- (3) 2016
- (4) 2017

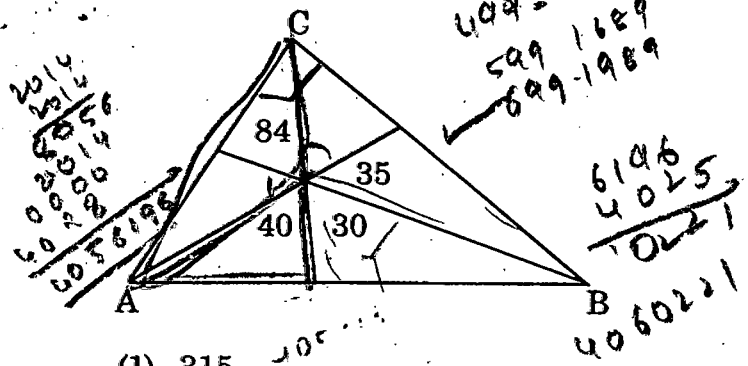
Handwritten work for Q136:
 $(2014-3)(2014+3)$
 $(2014^2-9)(2014^2+17)$



Handwritten work for Q139:
 $16 - 8x + 36 - 48$
 $\Rightarrow 8x = 4$
 $x = 0.5$
 $2x + y^2 = 2 + y^2 + 6y = 6y$
 $y = 4$

137. As shown in the figure on the right ΔABC is divided into six smaller triangles by lines drawn from the vertices through a common interior point. The areas of four of these triangles are indicated in the figure. Then the area of the triangle is

- (1) 315
- (2) 240
- (3) 275
- (4) 185

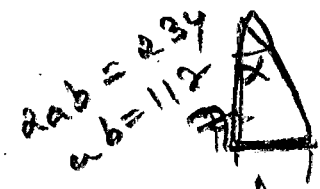


138. If α and β are the angles in the first

Quadrant $\tan \alpha = \frac{1}{7}, \sin \beta = \frac{1}{\sqrt{10}}$

then the value of $\alpha + 2\beta$ is

- (1) 0°
- (2) 45°
- (3) 60°
- (4) 90°

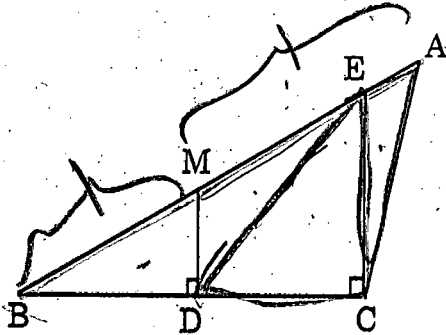


139. The point which is equi-distant from the points (0, 0) (0, 8) and (4, 6) is

- (1) $(\frac{1}{2}, -4)$
- (2) $(\frac{-1}{2}, 4)$
- (3) $(\frac{1}{2}, 4)$
- (4) $(\frac{-1}{2}, -4)$

[Turn Over]

140. In the obtuse triangle ABC, AM = MB, MD ⊥ BC, EC ⊥ BC. If the area of ΔABC is 24, then the area of ΔBED is



- (1) 9
(2) 12
(3) 15
(4) 18

~~BD + DM = AM~~
BD + DM = AM

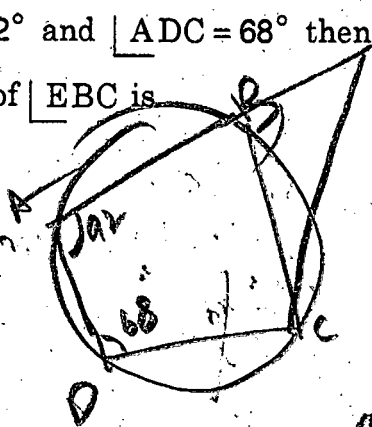
141. Let $p(x) = x^2 + bx + c$ where b and c are integers. If $p(x)$ is a factor of both $x^4 + 6x^2 + 25$ and $3x^4 + 4x^2 + 28x + 5$ what is $p(1)$?

- (1) 0
(2) 1
(3) 2
(4) 4

$p(1) \Rightarrow b+c = 2$

142. Given a quadrilateral ABCD inscribed in a circle with side AB extended beyond B to point E. If $\angle BAD = 92^\circ$ and $\angle ADC = 68^\circ$ then the value of $\angle EBC$ is

- (1) 66°
(2) 68°
(3) 70°
(4) 92°



[24]
 $(6+bc)x^2 + bca + 12$
 $(6b + b^2 - bc)x^2 + (6c + bc - c^2)$
 $(2bc - 6ba - b^2)x^2 - bc + 12$

143. If $x^2 + x + 1 = 0$, then what is the value

of $\left(x^3 + \frac{1}{x^3}\right)^3$?

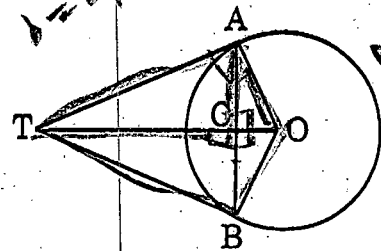
- (1) -8
(2) -1
(3) 0
(4) 1

$x(x+1) = -1$
 $-\frac{1}{2}x = -1$

$2x + 2x + 1 - 2 = 0$
 $(x+1)^2 = 2$
 $(x+1)^3 = 2$

144. TA, TB are tangents to a circle with centre O. Chord AB intersects TO at

C. Given $\frac{1}{OA^2} + \frac{1}{TA^2} = \frac{1}{36}$ then the value of AB



- (1) 10
(2) 12
(3) 14
(4) 8

$OA^2 + AT^2 = OT^2$
 $\frac{1}{OA^2} + \frac{1}{TA^2} = \frac{1}{36}$
 $\Rightarrow \frac{OT}{OA \cdot AT} = \frac{1}{36}$

145. The coefficient of x^7 in the polynomial expansion of $(1 + 2x - x^2)^4$ is

- (1) -8
(2) 12
(3) 6
(4) -12

$\Rightarrow \frac{OT}{OA \cdot AT} = \frac{1}{36}$
 $\Rightarrow OT = OA \cdot AT$



HISTORY

146. After the death of Komaram Bheem, whom did the Nizams government appoint to do some research on the life of tribal people ?

- (1) Furor Haimondorf
~~(2) Begum Rukaya Sakhawath Hussain~~
 (3) Chandu Menon
 (4) Ramashankar Ray

147. Which of the following is not correct ?

- (1) The spirit of laws – Montesquieu
 (2) Reign of Terror – Maxmillian Robespierre
 (3) Social Contract Theory – Rousseau
~~(4) French Revolution – July 4, 1789~~

148. Which of the following is not correctly matched ?

- (1) Reichstag – German Parliament
 (2) Duma – Russian Parliament
~~(3) DIET – France Parliament~~
 (4) All the above

149. In which year was the Indian Forest Services set up ?

- (1) 1864
 (2) 1972
~~(3) 1905~~
 (4) 1988

150. Find out the correctly matched.

- (1) Hambeldon – The first Cricket Club of the world
 (2) Dubai – The headquarters of International Cricket Council
 (3) MCC – Marylebone stands for Cricket Club
~~(4) All the above~~

151. Who is the author of 'Indulekha' which was the first modern novel in Malayalam ?

- (1) Narayana Guru
 (2) Sahadaran
~~(3) Chandu Menon~~
 (4) Srinivas Das

$A7^2 - (OT - OC)^2 = AC$
 $A7^2 - 2 \cdot OT \cdot OC + (OT)^2 - (OC)^2 = AC$
 $2 \cdot OT \cdot OC - (OT)^2 - (OC)^2 = AC$
 $-OA^2 - OC^2 + 2(OT)(OC) = AC$



152. Find out the wrong statement.

- (1) The first known printing press was developed by Gutenberg.
- (2) The first known printing press was started in Strasbourg in Germany.
- (3) The first book printed by him was 'The Bible'.
- ~~(4) The second book printed by him was 'The Prince'.~~

153. 'Irish Potato Famine' occurred in

- ~~(1) 1845 to 1849~~
- (2) 1863 to 1867
- ~~(3) 1858 to 1863~~
- (4) 1929 to 1934

(1+2+3) (1+2+3+4)

154. Find out the wrongly matched.

- (1) 1929 - Lahore Congress; Congress adopts the demand for Purna Swaraj
- ~~(2) 1930 - Ambedkar establishes Depressed Classes Association~~
- (3) 1930 - Gandhiji begins Civil Disobedience Movement
- (4) 1931 - First Round Table Conference

155. Sun Yat Sen's ideas became the basis of the Political Philosophy of the

- ~~(1) Communist Party of China~~
- (2) Guomindang
- (3) China Liberation Party
- (4) Socialist Party



GEOGRAPHY

156. "There is enough for everybody's need and not for anybody's greed" – Who's concern about the resource conservation are the above words ?
(1) Malthus
(2) Sundarlal Bahuguna
(3) Medha Patkar
(4) M. K. Gandhi
157. Based on the International Union for Conservation of Nature and Natural Resources (IUCN) which species are considered as vulnerable species ?
(1) Asiatic Elephant
(2) Indian Rhino
(3) Pink head duck
(4) Brown Bear
158. Which of the following pairs are correctly matched ?
(1) Mettur – Periyar
(2) Salal Project – Ravi
(3) Pravara – Godavari
(4) Rihand – Chambal
159. Which of the following pairs are correctly matched ?
(1) Ladong – Indonesia
(2) Podu – Andhra Pradesh
(3) Roca – Brazil
(4) All the above
160. Initially coffee cultivation was introduced on the _____
(1) Shevoroy Hills
(2) Palakonda Range
(3) Javadi Hills
(4) Baba Buden Hills
161. Which is the finest iron ore with a very high content of iron upto 70% ?
(1) Hematite
(2) Magnatite
(3) Limonite
(4) Geothite
162. Which two of the following extreme locations are connected by east-west corridor ?
(1) Mumbai and Nagpur
(2) Mumbai and Kolkata
(3) Silcher and Porbander
(4) Nagpur and Siligudi
163. The highest peak in Western Ghats is
(1) Anaimudi
(2) Dodabetta
(3) Mahendragiri
(4) Khasi
164. The magnitude of population growth refers to
(1) The total population of an area
(2) The number of persons added each year
(3) The rate at which the population increases
(4) The number of females per thousand males
165. The average density of population in India during 2001 was _____
(1) 257
(2) 275
(3) 340
(4) 324

POLITICAL SCIENCE

166. Which Act under British rule first prescribed a federation for India ?
- (1) Government of India Act, 1919
 - (2) Government of India Act, 1935
 - (3) Indian Council Act, 1909
 - (4) The Indian Independence Act, 1947
167. The most profound influence was exerted on the Constitution of India by
- (1) The Government of India Act, 1935
 - (2) England Constitution
 - (3) US Constitution
 - (4) Canadian Constitution
168. Which part of our constitution deals with fundamental rights ?
- (1) Part II
 - (2) Part III
 - (3) Part IV
 - (4) Part V
169. The constitution provides three methods of amendments of different portions of the constitution under Article _____
- (1) 326
 - (2) 356
 - (3) 368
 - (4) 370
170. The Constituent Assembly that finally framed India's constitution was set up
- (1) Under the Indian Independence Act
 - (2) Under the Government of India Act, 1935
 - (3) Under the Cabinet Mission Plan, 1946
 - (4) By the Wavell Plan
171. The right against exploitation prohibits children
- (1) Below 14 years of age from employment in family businesses
 - (2) Below 14 years of age from being employed in hazardous occupations
 - (3) Below 14 years from working on family farms
 - (4) From doing all the above
172. By Parliament, we mean
- (1) Lok Sabha
 - (2) Lok Sabha and Rajya Sabha
 - (3) Rajya Sabha
 - (4) Lok Sabha, Rajya Sabha and the President



173. According to 'Act of Judicial Services Authority' who are not eligible for availing Judicial Assistance ?

- (1) Citizens belonging to scheduled castes and scheduled tribes
- (2) Victims of immoral human trafficking, beggars, woman and children
- (3) Victims of Natural Disasters
- (4) Citizens earning annual income less than Rs. 2,00,000

174. Name the party led by Aung San Suu Kyi

- (1) National League for Democracy
- (2) ZANU – PF
- (3) Revolutionary Command Council
- (4) Myanmar Nationalist Party

175. In the context of assessing democracy which among the following is odd one out ?

- (1) Free and fair elections
- (2) Dignity of the individual
- (3) Majority Rule
- (4) Equal treatment before law



ECONOMICS

176. Human Development Report published by UNDP compares countries based on the

- (1) Educational levels of the people
- (2) Per capita income
- (3) Health status
- (4) All the above

177. Match list A with list B and select the correct answer using the codes given below the lists.

A	B
A) Women Employment	i) World Bank X
B) World Development Report	ii) Average Income
C) Health and Education	iii) Bihar
D) Low per Capita Income	iv) Social indicators
E) Per capita income	v) Increases family income X

	A	B	C	D	E
(1)	v	i	iv	iii	ii
(2)	v	i	iii	ii	iv
(3)	i	v	iii	iv	ii
(4)	i	iii	ii	iv	v

178. Which of these following occupations not belongs to tertiary sector ?

- (1) Fishermen
- (2) Milk Vendor
- (3) Priest
- (4) Bank Manager

179. Consider the following statements

A) Economic development is a broader and normative concept. It concerns with structural change in economy.

B) Economic growth is a narrow concept. It concerns with increase in the economy's output. Which of the statement (s) given above is/are true ?

- (1) Only A
- (2) Only B
- (3) Both A and B
- (4) None of the above

180. Real National Income refers to

- (1) National income growth adjusted for inflation
- (2) National income growth adjusted for population growth
- (3) National income growth adjusted for depreciation rate
- (4) National income growth adjusted for saving growth