

NTR VIDYONNATHI -2017 SET-2 (After Noon)

1. National Rural employment guarantee scheme started in the year
  - a. 2005 February 2
  - b. 2006 February 2
  - c. 2007 February 2
  - d. 2008 February 2
2. Among the following taxes, identify the direct taxes:
  - a. Income tax and customs duty
  - b. Income tax and corporate tax
  - c. Corporate tax and sales tax
  - d. Income tax and Excise duties
3. When was Prime Minister Fasal Bhima Yojana scheme started?
  - a. 2016 March 20
  - b. 2016 March 22
  - c. 2016 February 18
  - d. 2016 March 28
4. The Human development Index (HDI) developed by
  - a. FAO
  - b. WTO
  - c. UNDP
  - d. WHO
5. Which five year plan laid emphasis on Heavy Industries?
  - a. 2<sup>nd</sup> Plan
  - b. 3<sup>rd</sup> Plan
  - c. 4<sup>th</sup> Plan
  - d. 5<sup>th</sup> Plan
6. The main aim of Green Revolution is
  - a. cash crop cultivation
  - b. planned export of food grains
  - c. increasing production through redistribution of land
  - d. increasing production of food grains through high yielding varieties
7. The achieved growth rate of 11<sup>th</sup> five year plan is
  - a. 7.8 %
  - b. 8.3 %
  - c. 8.9 %
  - d. 7.2 %
8. When was economic reforms in India completed 25 years?
  - a. 2016 october 24
  - b. 2016 June 24
  - c. 2015 july 24
  - d. 2016 July 24
9. The number of Industries in list –A of 1956 Industrial resolution is
  - a. 12
  - b. 13
  - c. 15
  - d. 17
10. ISRO launched successfully 104 satellites from Sriharikota on
  - a. 2017 February 10
  - b. 2017 February 15
  - c. 2017 March 10
  - d. 2017 March 15
11. The central Budget of 2017-18 presented by Finance Minister Arun Jaitley on
  - a. 2017 February 1
  - b. 2017 February 28
  - c. 2017 March 1
  - d. 2017 March 2
12. The men's title winner of 2017 Australian open tennis is
  - a. Rafel Nadal
  - b. Zakovich
  - c. Roger Federar
  - d. Murry
13. Which of the following is wrongly matched regarding centre state relations?
  - a. Sarkaria Commission –1983
  - b. Raja Mannar Commission—1969
  - c. Anandpur Saheb Resolution---1973
  - d. M M Punchhi commission---2002
14. Which article of the constitution related to annual financial statement (budget)?
  - a. Article 108
  - b. Article 109
  - c. Article 110
  - d. Article 112

15. Which of the following state is not having Legislative Council?  
a. Uttar Pradesh b. Bihar c. Karnataka d. Madya Pradesh
16. The present CEO of Niti Ayog is  
a. Amitab kanth b. V.K Saraswath  
c. Sindhu Sree Khullar d. Vivek Debroi
17. Which of the following states have the equal representation in Lok Sabha?  
a. Punjab, Haryana b. Assam, Jharkhand  
c. Bihar, Tamilnadu d. Kerala, Gujarat
18. Which of the following is not a fundamental duty as per the Indian Constitution?  
a. To develop scientific temper b. To safeguard public property  
c. To pay taxes imposed by Government d. to respect national flag
19. Which of the fundamental rights is available only to citizens of India?  
a. Rights under article 14 b. Rights under article 21  
c. Rights under article 19 d. Rights under article 25
20. Which article of the Directive Principles of the constitution mentions about village Panchayats?  
a. Article 40 b. Article 41 c. Article 42 d. Article 43
21. The state that was admitted into Indian Union as associate state:  
a. Goa b. Jammu & Kashmir c. Sikkim d. Arunachal Pradesh
22. Identify the constitutional from the following:  
a. Inter-state council b. National Development Council  
c. NITI Aayog d. National Planning commission
23. In which year, the High courts of Bombay, Calcutta and Madras were established?  
a. 1858 b. 1862 c. 1864 d. 1866
24. Statement 1: Changing the genetic makeup of cells by the transfer of genes within and cross the species boundaries to produce imposed varieties is the one of the functions of Genetic Engineering.  
Statement 2: Genetically manipulated cells show only unidirectional results both in Agricultural and Animal husbandry.  
a. Both the statements are independently correct.  
b. G.M Technology is fruitful only in Agriculture. Its impact on animals and humans is not significant.  
c. GM Technology shows bidirectional results. Terminator seeds show evidences for such effects.  
d. GM Technology is only applicable to medical biotechnology it has no results on Agriculture.
25. Which of the following pairs represent endangered species in India?  
a. Banyan and Black duck  
b. Tamarind and Rhesus Monkey  
c. Cinchona and Leopard  
d. Bentinckia nicobarica and Red panda

26. If an Indian company wants to develop a high yielding paddy variety by using GM Technology and using a new variety developed by IRRI:
  - a. It neither comes under NBA nor ICAR
  - b. It has to get a prior approval from National Biodiversity Authority.
  - c. It should take permission from Biodiversity Management committee but not from NBA.
  - d. It should take permission only from IRRI.
27. The principal objectives of the National Environment Policy does not include:
  - a. To ensure judicious use of environmental resources to meet the needs of the present and future generations
  - b. To integrate environmental concerns into policies, plans, programmes and projects for economic and social development.
  - c. To minimise adverse environmental impacts.
  - d. To monitor depletion of ozone on a global level.
28. Who wrote the Book “ The Poverty and un British rule in India?
  - a. Dadabhai Naoroji                      b. Gopala Krishna Gokhale
  - c. Surendranadh Benerji              d. Govinda Rande
29. Which of the following movement was not related to Gandhiji?
  - a. Quit India Movement                      b. Home rule Movement
  - c. Civil disobedience Movement          d. Non Cooperation Movement
30. The Indus Valley civilisation specialised in
  - a. Architecture b. Town planning c. Craftsmanship d. All the above
31. The Mouryan silver coin was called
  - a. Niskha      b. Kakini      c. Pana              d. Shatamana
32. The sacred books of Jains are called
  - a. Agamas      b. Angas      c. Parvas      d. Upangas
33. Mohammad Ghori was defeated by Prithvi Raj Chowhan in the battle of
  - a. Tarain      b. Panipat      c. Theneswar d. Chandawar
34. Among the following who was the illirate?
  - a. Awrangzeb      b. Jahangir      c. Akbar              d. Babar
35. Shivaji signed the treaty of Purandar in which year and with whom?
  - a. 1650- Afzhel Khan                      b. 1645- Shaista Khan
  - c. 1660- Raja Jaswanth Singh              d. 1665- Raja jai Singh
36. At which one of the following places did Mahatma Gandhi first start his satyagraha in India?
  - a. Ahmedabad b. Bardoli c. Champaran d. Kheda
37. Santhal tribe people live in these states
  - a. Maharashtra, Karnataka, Gujarat
  - b. Uttar Pradesh, Rajastan, Madhya Pradesh
  - c. Andhra Prades, Tamil Nadu, Kerala
  - d. West Bengal, Odisha, Jharkhand
38. The study of Physical geography in the past geological ages is included in
  - a. Bio geography b. Historical geography c. Palaeography d. All of these

39. The North pole is always in the light
- from September 23 to March 21
  - From March 21<sup>st</sup> to September 23
  - from June 21 to December 22
  - On June 21
40. The velocity of winds is related to
- Revolution of the Earth
  - Rotation of the Earth
  - Temperature
  - Pressure gradient
41. Which of the following sub-races belong to Mangolia?
- Bantu
  - Eskimo
  - Nordic
  - Alpine
42. Agriculture probably began in about
- 100 BC
  - 2000 BC
  - 4000 BC
  - 7000BC
43. The Sakhalin region is famous for its
- Oil drilling
  - Industrialization
  - Diamonds and gold
  - Iron and gold
44. Which of the following Indian islands lies between India and Srilanka?
- Elephanta
  - Nicobar
  - Rameswaram
  - Salsette
45. Which of the following states has very little alluvial soil?
- Bihar
  - Madhya Pradesh
  - Tamil Nadu
  - Punjab
46. Which of the following Hills are found where the Eastern Ghats and Western Ghats meet?
- Aravali Hills
  - Cardmam Hills
  - Nilgiri Hills
  - Sheveray Hills
47. The most appropriate measure of a country's economic growth is its
- Gross Domestic Product
  - Net Domestic Product
  - Net National Product
  - Per Capita Real Income
48. Which of the following institutions have their objectives stated to fight poverty in the world?
- International Monetary Fund
  - World Bank
  - World Trade Organization
  - World Health Organization
- Select the correct answer:
- 1 only
  - 1 and 2 only
  - 1, 2 and 3 only
  - 1, 2 and 4 only

49. Which of following is not under current account of Balance of Payments (BOP)?

- a) Goods      b) Services      c) Loans      d) Transfers

50. Who is regarded as the “Father of Indian Civil Services”?

- A) Lord Macaulay B) Lord Cornwallis C) B.R. Ambedkar D) Sardar Patel

51. Which of the following is a committee on Panchayat Raj institutions?

- a) G.V.K. Rao committee  
b) L.M. Singhvi committee  
c) Balwantray committee  
d) Ashok Mehta committee

52. The Indian President’s veto power is a combination of

1. Pocket veto
  2. Absolute veto
  3. Suspensive veto
  4. Qualified veto
- a) 1,2 and 3  
b) 2 and 3  
c) 1,3 and 4  
d) 2 and 4

53. Which of the following would include Foreign Direct Investment in India?

1. Subsidiaries of the companies in India
2. Majority foreign equity holding in Indian companies
3. Companies exclusively financed by foreign companies
4. Portfolio Investment

Select the correct answer using the codes given below:

- a) 1,2,3 and 4                      b) 2 and 4 only  
c. 1 and 3 only                      d) 1, 2 and 3 only

54. The balance of payments of a country is a systematic record of?

- a) All import and export transactions of a nation during a given period normally a year.
- b) Goods exported from a country during a year
- c) Economic transaction between the government of one country to another
- d) Capital movements from one country to another

55. In India deficit financing is used for raising resources for?

- a) Economic development
- b) Redemption of public debt
- c) Adjusting the balance of payments
- d) Reducing the foreign debt

56. Nirbhaya Fund is set up under which of the following Ministry?

- a) Ministry of Health and Family Welfare
- b) Ministry of Women and Child Development
- c) Ministry of Finance
- d) Minister of Home

57. Gross National Happiness (GNH) developed by

- a) Nepal
- b) India
- c) Bhutan
- d) Norway

58. Which of the following tiger reserve will affected due to ken-betwa River linking project?

- a) Satyamangalam
- b) Tadoba
- c) Namdapha
- d) Panna

59. Recombinant DNA technology (Genetic Engineering) allows genes to be transferred

- 1. Across different species of plants
- 2. From animals to plants
- 3. From microorganisms to higher organisms

Select the correct answer using the codes given below:

A) 1 only B) 2 only C) 1 and 3 only D) 1, 2 and 3

60. Arrange the following in increasing order of their water content.

- 1. Egg
- 2. Milk
- 3. Meat
- 4. Fish

Select the correct code

- a) 1-4-3-2
- b) 2-1-4-3
- c) 1-3-4-2
- d) 4-1-3-2



68. What do you understand by River Regime?

- a) The pattern of flow of water in a river channel over a year is known as its regime.
- b) It refers to the sinusoidal nature of river channel in its mature stage.
- c) The catchment area of a river and its tributaries is called its regime.
- d) The length traversed by a river from its origin to its mouth is called its Regime.

69. The recently commenced maiden coastal feeder service between India and Bangladesh connected :

- a) Visakhapatnam and Pangaon ICT
- b) Visakhapatnam and Chittagong
- c) Krishnapatnam and Chittagong
- d) Haldia and Mongla

70. Which one of the following rivers do not originate in India?

- a) Ravi              b) Beas              c) Sutlej              d) Chenab

71. Tsunamis are the waves generated by

- a) Moon's Pull                      b) Tropical Cyclones
- c) Earthquakes                      d) Cloud bursts

72. Which of the following diseases can be transmitted from one person to another through tattooing?

- 1) Chikungunya
- 2) Hepatitis B
- 3) HIV, AIDS

Select the correct answer using the codes given below:

- a) 1 only              b. 2 and 3 only    c. 1 and 3 only    d. 1,2 and 3

73. Consider the following minerals:

- 1. Calcium
- 2. Iron
- 3. Sodium

Which of the minerals given above is/are required by human body for the contraction of muscles?

- 1 only    B) 2 and 3 only    C) 1 and 3 only    D) 1,2 and 3



74. Consider the following diseases:

1. Diphtheria
2. Chickenpox
3. Smallpox

Which of the above diseases has/have been eradicated in India?

- A) 1 and 2 only      B) 3 only      C) 1,2 and 3      D) None

75. The essential feature of shifting cultivation is

(A) Intensity of crops (B) Rotation of fields (C) Single cropping (D) Double cropping

76. Which deity is related to the famous Amareswara Temple from where 'Amravati' derives its name?

- a) Lord Vishnu                                      b) Lord Brahma  
c) Lord Shiva                                        d) Lord Ganesha

77. The Fourth Buddhist Council was held in Kashmir under the leadership of

- a) Bindusara    b) Ashoka      c) Kunal          d) Kanishka

78. Who of the following was the first Arab invader to have a successful campaign in India?

- a) Mohammad Ghori                              b) Mohammad bin Qasim  
c) Mahmud Ghazni                                d) Genghis Khan

79. Which of the following sultans of Delhi Sultanate established a Famine Code to relieve the victims of Famine?

- a) Mohammad Tughlaq                          b) Bahlol Lodhi  
c) Alauddin Khilji                                d) Balban

80. Who among the following was the founder of the organisation - Indian Home Rule Society (India House), London established in 1904?

- a) Veer Savarkar                                  b) Tarak Nath Das  
c) Shyamji Krishna Verma                      d) Lala Hardayal

81. Who of the following eminent personalities gave the title 'Mahatma' to Gandhiji?

- a) Sardar Vallabhbhai Patel                      b) B.R.Ambedkar  
c) Dr.Rajendra Prasad                            d) Rabindranath Tagore

82. The 73<sup>rd</sup> Amendment Act does not apply to the states of

1. Nagaland
  2. Mizoram
  3. Jammu and Kashmir
  4. Meghalaya
- a) 1 and 2
  - b) 1,2 and 4
  - c) 1,2,3 and 4
  - d) 2 and 3

83. In which of the following North East states of India, we can find UNESCO world Heritage sites?

1. Assam
2. Meghalaya
3. Arunachal Pradesh
4. Tripura

Select the correct answer using the code given below:

- a . 1 only
- b . 1 and 2 only
- c . 1, 2 and 3 only
- d . 1, 2, 3 and 4

84. World No Tobacco Day is observed around the world every year on

- (a) 29 May    (b) 30 May    (c) 31 May    (d) 10 June

85. Who is the current President of the USA Headquartered World Bank?

- (a) Joaquim Levy                      (b) Shaolin Yang  
(c) KristalinaGeorgieva              (d) Jim Yong Kim

86. 43<sup>rd</sup> G-7 Summit was held recently in

- (a) Greece    (b) Russia                      (c) China              (d) Italy

87. India won six medals in the second league of the Asian Grand Prix Athletics Meet. In this event single gold medal was bagged by

- (a) Reema Malik              (b) Neena Varakil  
(c) Arunima Rao              (d) RaimaSen Gupta

88. Name the American astronaut, who made history when she floated outside the International Space Station (ISS) and broke the record for the most spacewalks by a woman?

- (a) Thomas Akers                      (b) Aydyn Aimbetov  
(c) Vladimir Aksyonov              (d) Peggy Whitson

89. The Indian Army has entered into an MoU with the Indian Institute of Technology Madras (IIT-M) to the objective of the agreement is to identify and enhance the critical technological areas that can be enhanced in the armed forces. Who is the present Chief of Army Staff?

- (a) General Birender Singh Dhanoa
- (b) General Sunil Lanba
- (c) General Dalbir Singh
- (d) General Bipin Rawat

90. The Minister of Defence and National Security of Fiji, Ratu Inoke Kubuabola signed an MoU with the Minister of Defence, Finance and Corporate Affairs, Shri Arun Jaitley, recently. What is the capital of Fiji?

- (a) Baku      (b) Suva      (c) Samona      (d) Paloha

91. Barcelona striker Lionel Messi won the European Golden Shoe for a record equalling fourth time having scored 37 goals in the Spanish league. He drew level with

- (a) Cristiano Ronaldo      (b) Neymar      (c) Pele      (d) ZinedineZidane

92. United States has for the first time successfully tested its defence system against an ICBM. What does 'B' stands for in ICBM?

- (a) Ballistic      (b) Blowgun      (c) Boomerang      (d) Bullet

93. India successfully carried out a fresh user trial of 3,000-kilometer range Agni-III ballistic missile from Abdul Kalam Island off Odisha coast. Abdul Kalam Island was previously named as

- (a) Wheelers Island      (b) Betad Island
- (c) Vikram Sarabhai Island      (d) See-saw Island

94. Only gentlemen can become members of the club. Many of the members of the club are officers. Some of the officers have been invited for dinner.

Based on the above statements, which is the correct conclusion drawn.

- A) All the members of the club have been invited for dinner
- B) Some of the officers are not gentlemen
- C) All the members of the club are gentlemen
- D) Only gentlemen have been invited for dinner

95. If X is the son of Q, Q and Y are sisters, Z is the mother of Y and P is the son of Z, then which of the following statements is correct?

- A) P is the maternal uncle of X      b. P and Y are sisters
- b. X and P are cousins      d.Q is wife of P

96. There are five books P, Q, R, S and T placed on a table. If P is placed below T, R is placed above S, Q is placed below P and S is placed above T, then which of the following book touches the surface of the table?

- A) R      B) Q      C) P      D)T

97. Ignorance : Education : : Disease : ?

- A) Hospital      B) Medicine      C) Doctor      D) Nurse

98. A train 140m long is running at 60kmph. In how much time will it pass a platform 260m long?  
 A) 18 seconds      B) 20 seconds      C) 22 seconds      D) 24 seconds
99. In covering a distance of 30 km, A takes 2 hours more than B. If A doubles his speed, then he would take 1 hour less than B. A's speed is:  
 A) 3 km/h      B) 5 km/h      C) 7 km/h      D) 8 km/h
100. Excluding stoppages, the speed of a bus is 54 kmph and including stoppages, it is 45 kmph. For how many minutes does the bus stop per hour?  
 A) 5 min      B) 8 min      C) 10 min      D) 14 min
101. If 5 women or 8 girls can do a work in 84 days. In how many days can 10 women and 5 girls can do the same work?  
 A) 16 days      B) 24 days      C) 28 days      D) 32 days
102. A can do a piece of work in 7 days of 9 hours each and B alone can do it in 6 days of 7 hours each. How long will they take to do it working together  $42/5$  hours a day?  
 A) 2 days      B) 3 days      C) 4 days      D) 5 days
103. X can do a piece of work in 80 days. He works at it for 10 days & then Y alone finishes the remaining work in 42 days. In how much time will X and Y, workings together, finish the work?  
 A) 27 days      B) 29 days      C) 30 days      D) 33 days
104. A told B, "The girl I met yesterday was the youngest daughter of the brother-in-law of my friend's mother." How is the girl related to A's friend?  
 A) Niece      B) Cousin      C) Friend      D) Daughter
105. Ram and Shyam start from the same point in opposite directions. After each 1 km, Ram always turns left and Shyam always turns right. Which of the following statements is correct?  
 A) After both have travelled 2 km, the distance between them is 4 km.  
 B) They meet after each has travelled 3km.  
 C) They meet for the first time after each has travelled 4 km.  
 D) They go on without ever meeting again.
106. If PEN=35, CAP=20 and RUN=53 then RACE=?  
 A) 24      B) 20      C) 23      D) 27
107. If a bear eats 65 pounds fish in every day except every 6th day which it only eats 45 pounds of fish. If the bear continues this, how many pounds of fish will it eat in 200 days?  
 A) 12340 pounds      B) 11304 pounds      C) 12450 pounds      D) 10850 pounds
108. What is the acute angle between hours hand and minutes hand in a clock when it shows the time 3:15?  
 A)  $0^0$       B)  $5^0$       C)  $7.5^0$       D)  $9.5^0$
109. A certain street has 1000 buildings. A sign-maker is contracted to number the houses from 1 to 1000. How many zeroes will he need?  
 A) 200      B) 190      C) 192      D) 210
110. There is a family party consisting of two fathers, two mothers, two sons, one father-in law, one mother-in-law, one daughter-in-law, one grandfather, one grandmother and one grandson. What is the minimum number of persons required so that this is possible?  
 A) 3      B) 5      C) 7      D) 8

111. In a row 'J' is in the 11th position from the left and 'K' is in the 10th position from the right. If 'J' and 'K' interchange, then 'J' becomes 18th from the left. How many persons are there in the row other than 'J' and 'K'?
- A. 27      B. 26      C. 25      D. 24
112. A triangle has a perimeter 13. The two shorter sides have integer lengths equal to  $x$  and  $x + 1$ . Which of the following could be the length of the other side?
- A. 2      B. 4      C. 6      D. 8
113. A man fills a basket with mangos in such a way that the number of mangos added on each successive day is the same as the number already present in the basket. This way the basket gets completely filled in 24 days. After how many days the basket was  $1/4$ th full?
- A. 6 Days      B. 12 Days      C. 17 Days      D. 22 Days
114. In a rare coin collection, there is one gold coin for every three non-gold coins. 10 more gold coins are added to the collection and the ratio of gold coins to non-gold coins would be 1: 2. Based on the information, the total number of coins in the collection now becomes?
- A. 90      B. 80      C. 60      D. 50
115. In how many ways can four children be made to stand in a line such that two of them, J and K are always together?
- A. 6      B. 12      C. 18      D. 24
116. X is two years older than Y who is twice as old as Z. If the total of the ages of X, Y and Z be 27, the how old is Y?
- A. 5      B. 7      C. 12      D. 10
117. The difference between a two-digit number and the number obtained by interchanging the digits is 36. What is the difference between the sum and the difference of the digits of the number if the ratio between the digits of the number is 1:2?
- A. 8      B. 4      C. 12      D. 10
118. Find a positive number which when increased by 17 is equal to 60 times the reciprocal of the number.
- A. 17      B. 3      C. 12      D. 10
119. If **FRIEND** is coded as **HUMJTK**, how is **CANDLE** written in that code?
- A. EDRIRL      b. DCQHQB      c. ESJFME      d. FYOBQC

120. Shyam walks 5 km towards East and then turns left and walks 6 km. Again he turns right and walks 9 km. Finally he turns to his right and walks 6 km. How far is he from the starting point?
- 26 km
  - 21 km
  - 14 km
  - 9 km
121. Arrange the words given below in a meaningful sequence.
1. Probation
  2. Interview
  3. Selection
  4. Appointment
  5. Advertisement
  6. Application
- 5, 6, 3, 2, 4, 1
  - 5, 6, 4, 2, 3, 1
  - 5, 6, 2, 3, 4, 1
  - 6, 5, 4, 2, 3, 1
122. Assume that
1. The hour and minute hands of a clock move without jerking.
  2. The clock shows a time between 8 o'clock and 9 o'clock.
  3. The two hands of the clock are one above the other.
- After how many minutes (nearest integer) with the two hands will be again lying one above the other?
- 60
  - 62
  - 65
  - 67
123. If the 3rd day of a month is Monday, which one of the following will be the fifth day from 21st of this month?
- Monday
  - Tuesday
  - Wednesday
  - Friday
124. Two glasses of equal volume are respectively half and three-fourths filled with milk. They are then filled to the brim by adding water. Their contents are then poured into another vessel. What will be the ratio of milk to water in this vessel?
- 1:3
  - 2:3
  - 3:2
  - 5:3
125. A sum of RS. 700 has to be used to give seven cash prizes to the students of a school for their overall academic performance. If each prize is Rs. 20 less than its preceding prize, then what is the least value of the prize?
- Rs. 30
  - Rs. 40
  - Rs. 60
  - Rs. 80

126. The music director of a film wants to select four persons to work on different aspects of the composition of a piece of music. Seven persons are available for this work; they are Rohit, Tanya, Shobha, Kaushal, Kunal, Mukesh and Jaswant. Rohit and Tanya will not work together. Kunal and Shobha will not work together. Mukesh and Kunal want to work together.
- Which of the following is the most acceptable group of people that can be selected by the music director?
- A. Rohit, Shobha, Kunal and Kaushal  
B. Tanya, Kaushal, Shobha and Rohit  
C. Tanya, Mukesh, Kunal and Jaswant  
D. Shobha, Tanya, Rohit and Mukesh
127. There are five hobby clubs in a college viz, photography, yachting, chess, electronics and gardening. The gardening group meets every second day, the electronics group meets every third day, the chess group meets every fourth day, the yachting group meets every fifth day and the photography group meets every sixth day. How many times do all the five groups meet on the same day within 180 days?
- A. 3                      B. 5                      C. 10                      D. 18
128. A gardener has 1000 plants: He wants to plant them in such a way that the number of rows and the number of columns remains the same. What is the minimum number of plants that he needs more for this purpose?
- (a) 14                      (b) 24                      (c) 32                      (d) 34
129. In an examination, there are 3 subjects-A-B-C, a student has to pass in each subject. 20% of the students failed in the subject A. 22% of the students failed in the subject B. 16% failed in the subject C. The total number of students passing the whole examination lies between
- A. 42% and 84%.    B. 42% and 78%.    C. 58% and 78%.    D. 58% and 84%
130. Mr.Tulasiram borrows Rs 12,000/- at the rate of 10% p.a. with simple interest and immediately invests it for compounding at the same rate. The profit earned by him at the end of third year is
- A. 372                      B. 382                      C. 362                      D. 392

131. A village having a population of 4000 requires 150 liters of water per head per day. It has a tank measuring 20 m x 15 m x 6 m. The water of this tank will last for  
(a) 2 days (b) 3 days (c) 4 days (d) 5 days
132. You have taken up a project to create night-shelters for homeless people during the winter season. Within a week of establishing the shelters, you have received complaints from the residents of the area about the increase in theft cases with a demand to remove the shelters. You would  
(a) Ask them to lodge a written complaint in the police station.  
(b) Assure residents of an enquiry into the matter.  
(c) Ask residents to consider the humanitarian effort made.  
(d) Continue with the project and ignore their complaint.
133. The houses of A and B face each other on a road going north-south; A's being on the western side. A comes out of his house, turns left, travels 5 km, turns right, travels 5 km to the front of D's house. B does exactly the same and reaches the front of C's house. In this context, which one of the following statements is correct?  
(a) C and D live on the same street.  
(b) C's house faces south.  
(c) The houses of C and D are less than 20 km apart.  
(d) None of the above
134. Which of the following parameters are included in the calculation of Human Development Index (HDI)?  
1. Standard of Living 2. Women empowerment  
3. Level of education 4. Life expectancy  
Select the correct answer using the code given below:  
a . 1 and 3 only b . 1, 2 and 3 only  
c . 1, 2 and 4 only d . 1, 3 and 4 only



135.

Consider the following figures:

2	6	3	?
80	24	120	36

What is the missing number?

- (a) 7                      (b) 8                      (c) 9                      (d) 12

**Read the passage below and then answer the questions from 136 to 138:**

Modern bio-technology, especially the creation of genetically modified crops, is often presented as a magic solution or universal panacea for the problems of poverty, inadequate nutrition and even environmental degradation across the world. Conversely there are people who present the picture of tech generated monsters and major human hazards being created by science. Many of the technological changes currently in the process of being utilized in agriculture can have unforeseen consequences, and their safety and future viability are far from secure.

The reality, as always, is far more complex than either of these two extremes. Even today the total food productions in the world are adequate to feed the hungry of the world; the problem is rather one of unequal distribution, which deprives a large part of the population requirement. Similarly farmers, especially in developing countries, face many problems such as lack of infrastructure, poor or unstable market access, volatile input and output prices etc, that biotechnology does not address, much less solve.

It is true that transgenic plants can offer a range of benefits which are above and beyond those which emerged from more traditional innovations in cultivation. It is suggested that such new technology offers more effective pest resistance of seeds and crops through genetic control mechanism, which also reduces the needs for pesticide use and leads to improved yield. A basic question, of course, is safe, and whether the new GM technology is safe, and whether this is absolutely crucial since the effects may only be known much later. The jury is still very much out in these matters, and the controversy does not appear to be resolved quickly.

The trouble is that most governments in developing countries have relatively low food and beverage regulatory standards, and public system for monitoring and surveillance of such items are poor or non-existent. This leaves them open for entry and even dumping of a range of agricultural products of the new technology, which may not pass regulatory standards in the more developed countries.

136. Which of the following is true in context of the passage?

- A) Genetically modified crops have been universally recognized as a solution to poverty and environmental degradation
- B) The only way to improve the deficit in food requirement and food production in the world is by adapting genetically modified crops
- C) Genetically modified crops produce more yield as compared to yield from the traditional methods
- D) Taking advantage of absence of regulatory standards, scientists have been dumping new products in the markets without appropriate approval

137. Why, according to the author, is genetic modification of crops not an answer to the problem of hunger in the world?

- i) People being highly doubtful of the long term effects of genetically modified crops; do not buy the products grown by such methods.
  - ii) The problem of hunger in the world is not due to inadequate production of food but due to unequal distribution of it.
  - iii) Many development countries have banned genetically modified products as developed countries have been using these countries as dumping ground for new genetically modified products.
- a) Only (i)                      b) Only (ii)  
c) Both (ii) and (iii)        d) Both (i) and (iii)

138. The author of the given passage seems to be definitely –

- A) In favor of utilizing bio-technology as a tool for alleviation of poverty from the world
- B) Unconvinced of the long term effects and rationale for immediate requirement of genetically modified products
- C) Suggesting the use of traditional methods of agriculture as against biotechnology by development countries owing to their poor regulatory standards
- D) Urging the policy makers to improve infrastructure facilities so that farmers can maximize the benefits of genetically modified crops

139. Disaster Management Act 2005 does not include

- a. Reduction of risk of any disaster
- b. Avoiding disaster
- c. Evacuation rescue and relief
- d. Capacity Building

140. Which of the following is an example of mediated communication?

- (a) A newscaster delivers the weather report on the six o'clock news.
- (b) Two friends gossip with one another.
- (c) Students work on a class project together.
- (d) A politician addresses a nominating convention.

141. A teacher will be having effective teaching if

- (a) he explains adequately the expected content to his student in a class
- (b) he repeats the explanations in order to grasp by all the students
- (c) he gives rich learning experiences to the students
- (d) he gives right answers to all the queries of the students

142. Which of the following groups of students can be most benefited computer based education programme?

- (a). small group of low IQ                      (b). large group of moderate intelligence
- (c). heterogeneous groups in IQ              (d). all the above

143. Which of the following methods of communication is the most effective?

- (a) presenting written material
- (b) presenting written material along with film projector
- (c) multimedia method
- (d) cannot be determined.

144. Which is true about the way interpersonal relationships affect us physically?

- a. Humans are the only mammals that need relationships in order to thrive.
- b. Interpersonal relationships are not actually necessary for humans; studies show that humans raised in isolation are actually healthier than those raised with others.
- c. Interpersonal relationships are necessary until about age 6, but not later in adulthood.
- d. Deprived of interpersonal relationships, humans can become sick.

145. Which inscription of Ashoka gives an account of Kalinga War ?

- (A) Jaugada Rock Inscription      (B) Dhauli Rock Inscription
- (C) Rummindei Pillar Inscription   (D) Shahbajgarhi Rock Edict

146. The Reserve Bank of India regulates the commercial banks in matters of?

1. Liquidity of assets
2. Branch expansion
3. Merger of banks
4. Winding up of banks

Select the correct answer using the codes given below

- a) 1 and 4 only  
b) 2, 3 and 4 only  
c) 1, 2 and 3 only d) 1,2,3 and 4

147. What is the difference between Real GDP and Nominal GDP?

1. Real GDP values are adjusted for inflation, while nominal GDP values are not.
2. Nominal GDP value is usually higher than Real GDP value.
3. Real GDP is expressed in Base year prices but Nominal GDP is expressed in current year prices.

Select the correct answer using the codes given below

- a . 1 and 3 only  
b . 2 and 3 only  
c . 1 and 2 only  
d . 1, 2 and 3

148. The Nilgiri Tahr, locally known as Nilgiri ibex, is found in which of the following states?

1. Karnataka
2. Tamilnadu
3. Kerala

Select the correct answer using the code given below:

- a . 1 only                      b . 1 and 2 only  
c . 2 and 3 only              d . 1, 2 and 3

149. Consider the following statements regarding Corporate Social Responsibility (CSR) in India

1. The concept of CSR rests on the ideology of give and take.
2. The provisions of CSR are applicable only to Indian Companies not applicable to branch and project offices of a foreign company in India.
3. Flexibility is permitted to the companies by allowing them to choose their preferred CSR engagements that are in conformity with the CSR policy.

Which of the statements given above is/are correct?

- |                  |                  |
|------------------|------------------|
| a . 1 and 2 only | b . 2 and 3 only |
| c . 1 and 3 only | d . 1, 2 and 3   |

150. The chief means of transport in Tundras is

- A) Camel
- (B) Donkeys
- (C) Sledge
- (D) Horse