PREVIOUS YEAR PAPER

DSSSB PGT Geography 2021 — 11 July 2021

DSSSB PGT · 11 July 2021

253 of the paper's 300 questions · +1 for a correct answer, −0.25 for a wrong one · 180 minutes

Left out of the original paper: 47 (any question that needs a figure, a symbol or formatting we cannot show, or whose text did not read back cleanly from the booklet).

Questions from the Delhi Subordinate Services Selection Board's paper of 11 July 2021. Each question is followed by its answer, and the answer key is repeated on the last page.

Take it as a timed practice test: exambharo.com/dsssb-pgt/previous-year-papers/dsssb-pgt-2021-geography-11-jul/

Mental Ability

1. A series is given with one term wrong. Select that wrong term from the given alternatives.
GLF, IOJ, KRM, MUR, OXV

(a) IOJ
(b) GLF
(c) MUR
(d) KRM

Answer: (d)

2. A series is given with one term wrong. Select that wrong term from the given alternatives.
MORGS, NRWNB, OUBUK, PXGBT, QALID

(a) MORGS
(b) PXGBT
(c) QALID
(d) NRWNB

Answer: (c)

3. In the following question, select the odd word from the given alternatives.

(a) Car
(b) Truck
(c) Tyre
(d) Bus

Answer: (c)

4. In the following question, select the related words from the given alternatives.
Clerk : Office :: Doctor : ?

(a) Nurse
(b) Needle
(c) Treatment
(d) Hospital

Answer: (d)

5. In the following question, select the related letter pair from the given alternatives.
MORP : WXTQ :: ?

(a) RAMP : WSEV

(b) STVB : ICYW

(c) LROL : SUWP

(d) LDMC : ISIP

Answer: (c)

6. In a certain code language, 'Cars are white and blue' is written as '@ # 9 at km', 'white red and' is written as 'lp # km', 'cars great' is written as 'at pr'. What is the code for 'great red' in that code language?

(a) pr lp

(b) 9 lp

(c) # at

(d) pr km

Answer: (a)

7. Six boys P, Q, R, S, T and U are sitting in a row facing towards north (not necessarily in the same order). Q is second to the right of S. P is fourth to the left of U. U is not sitting on the extreme ends of the row. R is second to the right of Q.
Who is sitting second to the right of P?

(a) S

(b) T

(c) Q

(d) U

Answer: (b)

8. Price of six gates G1, G2, G3, G4, G5 and G6 is compared. No two gates have same price. Price of G3 is less than only two gates. Price of G1 is less than G3 but more than G4. Price of G3 is less than G2. If the price of G6 is maximum, then which of the following statement(s) is/are correct about the gate G5?
I. Price of G1 is less than G5
II. Price of G4 is more than G5

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (d)

10. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements:
I. Some B are N.
II. No C is N.
Conclusions:
I. Some C are B.
II. No N is B.

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Both conclusions I and II follows

(d) Neither conclusion follows

Answer: (d)

11. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.
Statements:
I. All P are G.
II. No A is P.
Conclusions:
I. No P is A.
II. All G are P.
III. All G are A.

(a) Only conclusion II follows

(b) Neither conclusion follows

(c) Only conclusion I follows

(d) Both conclusions I and III follows

Answer: (c)

12. After interchanging the which two signs, the value of the given equation will be '8'?
36 + 37 – 42 ÷ 14 × 3

(a) – and ÷

(b) × and –

(c) + and ÷

(d) – and +

Answer: (d)

13. If 'A' means '+', 'B' means '–', 'C' means '×' and 'D' means '÷', then which of the following equation is not correct?

(a) 36C7D9A11B12 = 27

(b) 14A11B62C17D31 = – 9

(c) 15C5A11B27D3 = 67

(d) 44D11A63C2B74 = 56

Answer: (c)

16. Aman walks 200 metres in west direction. He turns right and walks 140 metres. He again turns right and walks 380 metres. He finally turns right and walks 140 metres. How far and in which direction is he now from the starting point?

(a) 160 metres, east

(b) 180 metres, west

(c) 180 metres, east

(d) 160 metres, west

Answer: (c)

17. Sohan is facing towards north. He rotates by 145 degrees in clockwise direction. He again rotates by 290 degrees in anticlockwise direction. He again rotates by 345 degrees in anticlockwise direction. He finally rotates by 400 degrees in clockwise direction. In which direction is he facing now?

(a) East

(b) North-west

(c) North-east

(d) West

Answer: (d)

General Awareness

21. Bharatnatyam belongs to the state of _____.

(a) Tamil Nadu

(b) Kerala

(c) Manipur

(d) Assam

Answer: (a)

22. Which of the following pair of instrument – type is correct?
I. Veena – Tata Vadya
II. Flute – Sushira Vadya

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

23. Which of the following is NOT an Indirect tax?
I. GST
II. Custom Duties
III. Corporation tax

(a) Only III
(b) I and II
(c) II and III
(d) I , II and III

Answer: (a)

24. _____is the ratio of foreign to domestic prices, measured in the same currency.

(a) Real Exchange Rate
(b) Nominal Exchange Rate
(c) Effective Exchange Rate
(d) Marginal Exchange Rate

Answer: (a)

25. Which gas is produced during photosynthesis?

(a) Nitrogen
(b) Oxygen
(c) Helium
(d) Ozone

Answer: (b)

26. Plant tissues are of _____ main types.

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

Answer: (b)

27. Which of the following pair of reproduction is correct?
I. Asexual reproduction – Budding II. Sexual reproduction – Fragmentation

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (a)

28. Which of the following is a type of igneous rock?
I. Intrusive
II. Extrusive

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

29. Which of the following pair is correct?
I. Stratosphere – second layer II. Thermosphere – third layer

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (a)

30. Which of the following pair of peak-country is correct?
I. Makalu – India
II. Dhaulagiri – Nepal

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (b)

31. From which language the word India was originated?

(a) Persian
(b) Sanskrit
(c) French
(d) Greek

Answer: (b)

32. Who headed the Oudh Kisan Sabha?
I. Jawaharlal Nehru
II. Baba Ramchandra

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

33. Prithviraj Chauhan ruled in Delhi during _____.
(a) 1175-1192
(b) 1206-1210
(c) 1210-1236
(d) 1236-1240

Answer: (a)

34. Who has written the book Inglorious Empire?
(a) Arun Shourie
(b) Shashi Tharoor
(c) Karan Singh
(d) Kiran Bedi

Answer: (b)

35. Who has won the Padam Vibhushan 2021?
(a) P. Anitha
(b) Bhuri Bai
(c) B.B. Lal
(d) Tarun Gogoi

Answer: (c)

36. Ayushman Bharat Diwas is celebrated on which d
(a) April 9
(b) Arpil 21
(c) March 26
(d) April 30

Answer: (d)

37. Which of the following pair of article – contents of Indian constitution is correct?
I. Article 18 – Abolition of titles
II. Article 53 – Executive power of union
(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

38. Which article of Indian constitution is related to the special leave to appeal by the supreme court?
(a) 168
(b) 152
(c) 136
(d) 144

Answer: (c)

39. How many total medals did India won in 2018 Asian Games?

(a) 69
(b) 73
(c) 65
(d) 61

Answer: (a)

40. Which of the following pair of sportsperson – sports is correct?
I. Mohammed Salah – Football
II. Dhanraj Pillay – Hockey

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

Arithmetic Ability

41. What is the Highest Common Factor of 81, 243 and 54?

(a) 27
(b) 54
(c) 36
(d) 9

Answer: (a)

44. What is the positive square root of $61+28\sqrt{3}$?

(a) $7+2\sqrt{3}$
(b) $8+2\sqrt{3}$
(c) $11+\sqrt{3}$
(d) $13+4\sqrt{3}$

Answer: (a)

45. Which of the following statement(s) is/are true?
I. Highest Common Factor of two consecutive even numbers is always 2.
II. Least Common Multiple of two consecutive even numbers is always equal to the product of the two numbers.

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (a)

46. What is the average of first 34 natural numbers?

(a) 16.5
(b) 10
(c) 17.5
(d) 18

Answer: (c)

47. A is 25 percent more than B. B is how much percent less than A?

(a) 25
(b) 20
(c) 15
(d) 17.5

Answer: (b)

48. Which of the following statement(s) is/are correct?
I. 130 percent of 400 = 520
II. 95 percent of 540 = 51.3

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (a)

49. A sells an article for Rs. 4200 at 40 percent loss and sells an article for Rs. 5400 for 20 percent profit. What is the ratio of cost prices of A and B?

(a) 14 : 9
(b) 7 : 3
(c) 11 : 5
(d) 9 : 5

Answer: (a)

50. The ratio of price of table and chair are 6 : 5. The price of table is Rs. 1220 more than price of chair. What is the price of chair?

(a) Rs. 6100
(b) Rs. 7320
(c) Rs. 2440
(d) Rs. 1220

Answer: (a)

51. Three partners A, B and C invested a total of Rs. 39000 in a business. At the end of the year, A got Rs. 1440, B got Rs. 1560 and C got Rs. 1680 as the share of profit. How much amount did B invest in the business?

(a) Rs. 10000
(b) Rs. 13000
(c) Rs. 12000
(d) Rs. 14000

Answer: (b)

52. Simple Interest received by a person in 20 years on a principal of Rs. 2000 is 50 percent of the principal. What is the annual rate of interest?

(a) 25 percent
(b) 10 percent
(c) 5 Percent
(d) 2.5 Percent

Answer: (d)

53. A person goes to his office by bus at the speed of 54 km/hr and reaches 18 minutes earlier. If he goes at the speed 36 km/hr, then he reaches 18 minutes late. What will be the speed of the bus to reach on the usual time?

(a) 216/5 km/hr
(b) 192/5 km/hr
(c) 289/5 km/hr
(d) 512/5 km/hr

Answer: (a)

54. Which of the following statement is correct?
I. If the speed is increased by 20 percent, then the time to cover the same distance decreases by 25 percent.
II. If the speed of a car is 45 km/hr, then it will take 16 seconds to cover 200 metres.

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (b)

55. A can do a work alone in 24 days. B can do the same work alone in 36 days. In how many days can both of them do 3/8 of the work?

(a) 27/5
(b) 25/4
(c) 29/6
(d) 31/7

Answer: (a)

General English

61. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
No wonder she is (1)/ beautiful but can (2)/ be irritating sometimes. (3)/ No error (4)

(a) No wonder she is

(b) beautiful but can

(c) be irritating sometimes.

(d) No error

Answer: (b)

62. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
Science has made it clear the adverse impacts that climate (1)/change and continued ecosystem (2)/ degradation poses for the physical world. (3)/ No error (4)

(a) Science has made it clear the adverse impacts that climate

(b) change and continued ecosystem

(c) degradation poses for the physical world.

(d) No error

Answer: (c)

65. A sentence has been given with a blank to be filled with an appropriate word. Choose the correct alternative.
When he reached the construction _____ everything was messed up.

(a) position

(b) cite

(c) sight

(d) site

Answer: (d)

66. A sentence has been given with a blank to be filled with an appropriate word/words. Choose the correct alternative.
One must respect _____ elders without any complaints.

(a) ones

(b) one's

(c) his

(d) their

Answer: (b)

67. Rearrange the parts of the sentence in correct order.
The prolonged storage of coffee
P: where moulds and parasites may develop and cause damage Q: especially in the warm and humid coastal regions R: for that reason, coffee from those areas is exported as quickly as possible S: in the producing countries presents problems

(a) RPQS
(b) QPRS
(c) RQPS
(d) SQPR

Answer: (d)

68. Rearrange the parts of the sentence in the correct order.
P: China, after the 1949 revolution, gave official Q: the classics and opera-based histories, as well as uplifting R: support to lianhuanhua (literally, “connected images”) to retell S: revolutionary stories, in a highly refined, classically derived style

(a) RQPS
(b) PRQS
(c) QRPS
(d) SRPQ

Answer: (b)

69. Choose the word that means the same as the given word.
Advocate

(a) Deny
(b) Support
(c) Intimidate
(d) Spur

Answer: (b)

70. Choose the word that is opposite in meaning to the given word.
Aromatic

(a) Putrid
(b) Odiferous
(c) Obloquy
(d) Savoury

Answer: (a)

71. In the given question, four words are given out of which one word is correctly spelt. Choose the correctly spelt word.

(a) Substitutionn
(b) Substitution
(c) Subbstitution
(d) Substtitution

Answer: (b)

72. In the given question, four words are given out of which one word is incorrectly spelt. Choose the incorrectly spelt word.

(a) Respectively
(b) Unilateral
(c) Luminossity
(d) Fellowship

Answer: (c)

73. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
To rain cats and dogs

(a) A time of plenty
(b) To retract one's statement
(c) To fill one with terror
(d) To rain very heavily

Answer: (d)

74. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.
A drop in the ocean

(a) To talk uselessly and be tired
(b) A sudden misfortune
(c) To be in love with
(d) A quantity too small to make an impact

Answer: (d)

75. Choose the word that can substitute the given sentence.
A thin and homeless child

(a) Truant
(b) Aplomb
(c) Torrent
(d) Waif

Answer: (d)

77. Which of the following has never been a hindrance in maintaining the success of controlling TB?

(a) HIV
(b) MDR
(c) DOTS
(d) XDR

Answer: (c)

78. Which of the following is NOT true about DOTS treatment?

(a) It is cost effective.

(b) It's an efficient treatment.

(c) It is more rigorous than DOTS-plus.

(d) It thoroughly monitors the completion of treatment.

Answer: (c)

79. Which of the following words best expresses the synonym of the word 'adherence'?

(a) Attachment

(b) Release

(c) Perseverance

(d) Separate

Answer: (a)

80. Which of the following statements is definitely true about the Stop TB strategy?

(a) It has to be implemented by few countries, whose methods in controlling TB are not successful.

(b) WHO has drafted this strategy to enhance the treatment of TB and provide good medical care experience to the TB patient.

(c) Stop TB strategy has outlined 6-7 aims to be implemented in near future.

(d) It is implemented to reduce TB on local scale without any hindrance.

Answer: (b)

Discipline1

101. Who was the first scholar who divided the landmass into three continents-Europe, Asia and Libya(Africa)?

(a) Herodotus

(b) Anaximander

(c) Hipparchus

(d) Posidonius

Answer: (a)

102. The period of 'The Great Age of Discovery' started after the _____.

(a) Seventeenth Century

(b) Fifteenth Century

(c) Eighteenth Century

(d) Nineteenth Century

Answer: (b)

103. Who formulated the concept of 'The geographical pivot of history'?

(a) Halford J. Mackinder
(b) Peter Kropotkin
(c) Jean Brunhes
(d) Albrecht Penck

Answer: (a)

104. Gangetic Gulf which is now known as Bay of Bengal, was plotted for the first time by _____.

(a) Aryabhata
(b) Strabo
(c) Ptolemy
(d) Al-masudi

Answer: (c)

105. Who has been universally recognized as the founder of human geography?

(a) Marco Polo
(b) V.V. Dokuchaev
(c) William Moris Davis
(d) Friedrich Ratzel

Answer: (d)

106. The name of Alexander Von Humboldt is associa with which water current?

(a) Alaskan Current
(b) Peru Current
(c) El Nino Current
(d) California Current

Answer: (b)

107. 'Salmalidwipa' one of the continents recognised during Puranic period derived its name from _____.

(a) Poa Grass
(b) Silk Cotton Tree
(c) Salt Ocean
(d) Crescent Flower

Answer: (b)

108. Which of the following were the first geographers to put forward the idea of the periodic nature of the monsoons?

(a) The Arabs
(b) The Greeks
(c) The Romans
(d) The Americans

Answer: (a)

109. In the T-O maps, introduced during the period of Christian Europe, the stem of the 'T' represented _____.

(a) The Nile River

(b) The Aegean

(c) The Black Sea

(d) The Mediterranean

Answer: (d)

110. The term 'landscape' in the field of geography was introduced by which of the following?

(a) Christopher Columbus

(b) Carl O. Sauer

(c) Ferdinand Magellan

(d) Albert Demangeon

Answer: (b)

112. Which of the following statements is/are correct regarding the contribution of Varenius in the development of geography?
I. He was the first geographer to divide geography into 'general or universal geography'.
II. He was mainly interested in the study of physical geography.
III. He was the only scholar who believed geography is indispensable for the development of human society.

(a) I and III

(b) Only I

(c) II and III

(d) I, II and III

Answer: (b)

113. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R):
Assertion (A): Pragmatism is a modified form of Functionalism.
Reason (R): Pragmatic geography identifies geographic space as a composite of knowledge and error.
In the context of the above two statements, which of the following is correct?

(a) (A) is correct, but (R) is wrong.

(b) (A) is wrong, but (R) is correct.

(c) Both (A) and (R) are correct and (R) explains (A).

(d) Both (A) and (R) are wrong.

Answer: (b)

114. What is the shape of the Atlantic Ocean?

(a) S-Shape

(b) U-Shape

(c) V-Shape

(d) O-Shape

Answer: (a)

115. Which of the following collectively make up the group called Jovian planets?

(a) Jupiter, Saturn, Uranus and Neptune

(b) Mars, Jupiter, Uranus and Neptune

(c) Mercury, Venus, Earth and Mars

(d) Venus, Earth, Mars and Jupiter

Answer: (a)

116. On an average, the density of the earth's interior is _____.

(a) 2.6

(b) 5.5

(c) 4.7

(d) 3.4

Answer: (b)

117. Which seismic wave causes vibrations at right angles in the direction of wave movement?

(a) Love Waves

(b) P Waves

(c) S Waves

(d) Rayleigh Wave

Answer: (c)

118. The region extending between continental shelf a deep sea plain is known as_____.

(a) Mid-Oceanic Ridge

(b) Continental Slope

(c) Guyots

(d) Deeps

Answer: (b)

119. The Pacific Ocean is connected to Arctic Ocean through _____.

(a) Indonesian Archipelago

(b) Bering Strait

(c) Magellan Strait

(d) Hawaiian Islands

Answer: (b)

120. The boundary known as 'Weichert-Gutenberg Discontinuity' lies between which of the following?

(a) Upper crust and lower crust

(b) Upper mantle and lower core

(c) Lower mantle and upper core

(d) Upper crust and lower mantle

Answer: (c)

Discipline2

121. The origin of continental shelf is due to which of the following processes?

(a) Accumulation of black soil near the ocean
(b) Positive change in sea level
(c) Simple faulting along continental margins
(d) Indented coast due to rise in sea level

Answer: (c)

122. Who propounded the tidal hypothesis to explain the origin of the earth in 1919?

(a) Sir James Jeans
(b) Para Laplace
(c) T.C. Chamberlin
(d) R.S. Morgan

Answer: (a)

123. Which of the following layers of the earth is in the correct order from the exterior to interior?

(a) The mantle, the crust, the core
(b) The crust, the mantle, the core
(c) The core, the mantle, the crust
(d) The core, the crust, the mantle

Answer: (b)

124. In the north of the equator, the Mid-Atlantic Rid of the Atlantic ocean is known as _____.

(a) Telegraphic Plateau
(b) Challenger Rise
(c) Dolphin Rise
(d) Wyville Thompson Ridge

Answer: (c)

125. Who was the first person to devise an instrument used to detect the unfelt and guess the direction to the epicentre of earthquakes during 132 A.D?

(a) A.Holmes
(b) Chang Heng
(c) James Maxwell
(d) P.C. Mahalanobis

Answer: (b)

126. Which of the following statements is correct about the Binary Star Hypothesis of Russell?

(a) Russell was of the view that there were three stars revolving around the sun.

(b) This theory was postulated by Kant in 1950-60 and validated in 1972.

(c) According to this theory, all matter in the universe existed in the form of dense and huge primordial matter.

(d) This hypothesis explained the formation of the planets from the ejected matter of the companion star.

Answer: (d)

127. Which of the following is correctly matched?
I. Barysphere- 2780 Kilometres II. Lithosphere- 100 Kilometres III. Pyrosphere- 200 Kilometres

(a) I and II

(b) Only II

(c) II and III

(d) I, II and III

Answer: (b)

128. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R):
Assertion (A): Hundreds of tremors are recorded by the seismographs.
Reason (R): Seismographs help us in unraveling the mysteries of the earth's interior segment.
In the context of the above two statements, which of the following is correct?

(a) (A) is correct, but (R) is wrong.

(b) (A) is wrong, but (R) is correct.

(c) Both (A) and (R) are correct and (R) explains (A).

(d) Both (A) and (R) are wrong.

Answer: (c)

129. Fjords is a landform created by _____.

(a) Marine erosion

(b) Glacial erosion

(c) Wind deposition

(d) Mountain weathering

Answer: (b)

130. The process through which wind transfers warm or cool air horizontally from one place to another is known as _____.

(a) Conduction

(b) Advection

(c) Convection

(d) Absorption

Answer: (b)

131. Which of the following sedimentary rocks is formed organically?

(a) Limestone
(b) Shale
(c) Gypsum
(d) Salt rock

Answer: (a)

132. Which of the following is in the soil group of azonal soil?

(a) Podzol soil
(b) Alluvial soil
(c) Laterite soil
(d) Desert soil

Answer: (b)

133. Which type of low cloud is responsible for continuous precipitation?

(a) Stratocumulus
(b) Stratus
(c) Nimbostratus
(d) Altocumulus

Answer: (c)

134. Knickpoints can be identified in the course of a r by the presence of _____.

(a) hard rocks
(b) less waterfalls
(c) fungal growth
(d) malleable stones

Answer: (a)

135. Which of the following processes release energy?

(a) Evaporation
(b) Condensation
(c) Sublimation
(d) Melting

Answer: (b)

137. Ground that stays frozen for at least two years in a row is called _____.

(a) Permafrost
(b) Ice shelf
(c) Ice pack
(d) Glacier

Answer: (a)

138. Which of the following is a warm ocean current?
(a) Labrador Current
(b) Gulf stream
(c) South Atlantic drift
(d) Falkland current
Answer: (b)

139. When air pressure and water vapour content _____, then fog forms.
(a) vary regularly
(b) are unsaturated
(c) are above dew point
(d) are constant
Answer: (d)

140. What is the name of the world's deepest freshwater lake?
(a) Lake Pulicat
(b) Lake Victoria
(c) Lake Baikal
(d) Lake Superior
Answer: (c)

Discipline3

141. Which type of sand deposit is also called whale backs?
(a) Sand shadow
(b) Sand dunes
(c) Sand levees
(d) Sand drift
Answer: (c)

142. Dobson unit is defined as a unit used for measuring _____.
(a) Humidity in air
(b) Ozone concentration
(c) Normal temperature of air
(d) Relative pressure
Answer: (b)

143. Which pressure belt is also called horse latitude?
(a) Sub-tropical high pressure belt
(b) Sub-polar low pressure belt
(c) Equatorial low pressure belt
(d) Polar high pressure belt
Answer: (a)

144. Which of the following sources of underground water is derived from sedimentary rocks?
(a) Connate Water
(b) Meteoric Water
(c) Juvenile Water
(d) Oceanic Water
Answer: (a)

145. Which salt is abundantly present in the sea water?
(a) Calcium carbonate
(b) Sodium chloride
(c) Magnesium chloride
(d) Potassium sulphate
Answer: (b)

146. When _____, then air is considered to be stable.
(a) Adiabatic lapse rate of air > Normal lapse rate of air
(b) Normal lapse rate of air = Non-adiabatic lapse rate
(c) Adiabatic lapse rate of air = Normal lapse rate of air
(d) Normal lapse rate of air > Adiabatic lapse rate of air
Answer: (a)

147. In soil horizon, 'C' layer represents _____.
(a) Weathered parent material
(b) Organic debris
(c) Consolidated rock
(d) Maximum silicate clay material
Answer: (a)

148. Which of the following forms of precipitation has a diameter about 5-50 mm?
(a) Snow
(b) Sleet
(c) Hail
(d) Drizzle
Answer: (c)

149. Which of the following are the old folded mountains?
(a) Rockies
(b) Himalayas
(c) Andes
(d) Aravallis
Answer: (d)

150. Which layer of atmosphere is characterised by the occurrence of Auroras?

(a) Mesosphere
(b) Troposphere
(c) Stratosphere
(d) Ionosphere

Answer: (d)

151. When the sun, the earth, and the moon come in the position of quadrature, then which tide is caused?

(a) Spring tide
(b) Zenith tide
(c) Neap tide
(d) Ebb tide

Answer: (c)

152. If the amount of the salinity of an ocean is higher, then the _____.

(a) freezing point will be lower
(b) evaporation rate will also be higher
(c) density will be lower
(d) temperature will be lower

Answer: (a)

153. The rate of evaporation does NOT depend on w n of the following factors?

(a) Availability of wind energy
(b) Water vapour content of the atmosp
(c) Temperature of air and surface
(d) The availability of surface moisture

Answer: (a)

154. The Cano Cristales River is also known by which name?

(a) Liquid rainbow
(b) Boiling lake
(c) Frying pan lake
(d) Floating lake

Answer: (a)

155. On the basis of classification of mud by Murray, the colour of blue mud around the oceans is simply bluish-black due to the _____.

(a) accumulation of green silicate
(b) presence of iron sulphide
(c) disintegration of rocks
(d) excessive amount of magnesium

Answer: (b)

156. Which of the following is correctly sequenced in the descending order of their percentage in air?

(a) Oxygen, Nitrogen, Methane, Argon

(b) Carbon dioxide, Oxygen, Nitrogen, Methane

(c) Nitrogen, Oxygen, Argon, Carbon dioxide

(d) Methane, Nitrogen, Oxygen, Helium

Answer: (c)

157. Which of the following is the correct example of 'Bird-foot delta'?

(a) Delta of the Mississippi in the U.S.A

(b) Delta of the Nile in Africa

(c) Delta of the Seine in France

(d) Delta of the Ganga in India

Answer: (a)

158. Which of the following factors control the amount and distribution of salinity in the oceans?
I. Evaporation
II. Influx of freshwater from rivers
III. Atmospheric Pressure
IV. Precipitation

(a) I and II

(b) II, III and IV

(c) I and IV

(d) I,II,III and IV

Answer: (d)

159. Why ancient mariners called westerly winds as 'Furious Fifties'?

(a) As westerly winds blow from the south-western direction to the north-eastern direction.

(b) Because westerly winds are more forceful in the southern hemisphere between 40° to 60° south latitude.

(c) As westerly winds travel from the sub-tropical high pressure belt towards the sub-polar low pressure belt.

(d) Because they are stronger in both the northern and southern hemispheres as compared to trade winds.

Answer: (b)

160. Based on their heights above the ground, which types of clouds can have a base of 10 km?

(a) Low clouds

(b) High Clouds

(c) Middle Clouds

(d) Clouds with great vertical extent

Answer: (b)

Discipline4

161. Which of the following factors does NOT affect the horizontal distribution of the temperature of oceans?

(a) Amount of insolation

(b) Shape of the sea

(c) Prevailing wind and ocean currents

(d) Lines of latitudes

Answer: (d)

162. Which of the following is the correct example of 'Intermontane plateau'?

(a) Garhwal plateau

(b) Mahabaleshwar plateau

(c) Tibetan plateau

(d) Potwar plateau

Answer: (c)

164. Which of the following statements is/are correct regarding vertical sub-surface cross section of hydrologic zones?
I. Zone of aeration is the topmost zone lying immediately under the surface of the earth.
II. The surface separating the zone of aeration from the zone of saturation is called as water table.
III. The zone of confined water provides an important source of water in arid and semi-arid regions.

(a) I and II

(b) Only III

(c) II and III

(d) I, II and III

Answer: (d)

165. Which statement is correct regarding vertical distribution of salinity in the oceans?

(a) Salinity decreases with depth in high latitudes due to the presence of dense water at the bottom.

(b) Salinity of the oceans increases in mid-latitudes up to the certain limit and thereafter starts declining.

(c) Equatorial regions are characterised by high salinity due to excessive rainfall.

(d) There is a periodical trend of increase or decrease of oceanic salinity with depth.

Answer: (b)

166. Considering the distribution of fresh water on the earth, which of the following is/are correct?
(I) Groundwater – 29.9 percent
(II) Glaciers – 68.7 percent
(III) Lakes – 2.5 percent

(a) Only I

(b) I and II

(c) II and III

(d) I, II and III

Answer: (b)

167. If out of 200 units of solar radiation reaching the outer atmosphere, 4 units are reflected by earth's albedo, 38 units are absorbed within the atmosphere, 38 units are received as direct radiation, 46 units are received as diffused radiation and 10 units are received as scattered radiation, then what unit of effective solar radiation is actually absorbed by atmosphere and earth's land-sea surface?

(a) 126 units

(b) 122 units

(c) 132 units

(d) 94 units

Answer: (c)

168. Which of the following group of lakes is correctly sequenced in the ascending order of the amount of salinity present in them?

(a) Dead Sea, Great Salt Lake, Lake Van

(b) Great Salt Lake, Dead Sea, Lake Van

(c) Lake Van, Dead Sea, Great Salt Lake

(d) Dead Sea, Lake Van, Great Salt Lake

Answer: (b)

169. Which of the following statement is/are correct about relative humidity?
I. It measures how close a given parcel of air is to saturation at a given temperature.
II. Minimum relative humidity is reached during the morning hours.
III. It is the ratio of the mass of water vapour present in unit mass of moist air.

(a) Only I

(b) II and III

(c) I and II

(d) I, II and III

Answer: (a)

170. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R):
Assertion (A): Stratosphere layer of atmosphere is preferred to fly aeroplanes.
Reason (R): Stratosphere layer is relatively stable and characterised by vertical movement of air.
In the context of the above two statements, which of the following is correct?

(a) (A) is correct, but (R) is wrong.

(b) (A) is wrong, but (R) is correct.

(c) Both (A) and (R) are correct and (R) explains (A).

(d) Both (A) and (R) are wrong.

Answer: (a)

171. Which of the following statements is/are correct about Chinook winds?
I. These are local vertical winds and largely influence the weather conditions of the affected areas locally.
II. These winds are known by the name of 'foehn' in the United States of America.
III. Chinook winds are also called 'snow eater' as the snow present on ground surface melts due to sudden rise in temperature.

(a) I and III
(b) Only II
(c) I and II
(d) I, II and III

Answer: (a)

173. Which of the following types of dispersal of animals involves mass exodus?

(a) Anthropogenic dispersal
(b) Seasonal dispersal
(c) Forced dispersal
(d) Rapid dispersal

Answer: (d)

174. Which of the following is the most extensive kingdom of all the floral kingdoms?

(a) Paleotropical region
(b) Neotropical region
(c) Boreal Region
(d) Cape region

Answer: (c)

175. A particular category of physical systems, consisting of organisms and inorganic components in a relatively stable equilibrium, open and of various sizes and kinds is defined as _____.

(a) Ecosophy
(b) Ecosystem
(c) Biome
(d) Biodiversity

Answer: (b)

176. Which of the following periods was characterised by the first appearance of vertebrate animals?

(a) Ordovician period
(b) Cambrian period
(c) Miocene period
(d) Triassic period

Answer: (a)

177. In the Californian Mediterranean biome, the shrub community is known by which name?

(a) Fynbos shrubs
(b) Maquis shrubs
(c) Chaparral shrubs
(d) Malle shrubs

Answer: (c)

178. Considering the productivity of ecosystem, Net Primary Production (NPP) is _____.

(a) Total energy produced – Energy lost through respiration
(b) Gross Primary Production (GPP) + Total energy produced
(c) Gross Primary Production (GPP) / Total energy produced
(d) Gross Primary Production (GPP) – Energy lost through respiration

Answer: (d)

179. In which of the following periods, origin and colonization of plants on land surfaces began?

(a) Carboniferous period
(b) Silurian and Devonian period
(c) Precambrian period
(d) Cretaceous period

Answer: (b)

180. Which of the following is one of the biodiversity hotspots found in India?

(a) Eastern Ghats
(b) Indo-Burma
(c) Deccan Plateau
(d) Gujarat Plains

Answer: (b)

Discipline5

181. Which of the following is NOT one of the phases of biotic succession?

(a) Phase of migration
(b) Phase of reaction
(c) Phase of nudation
(d) Phase of adjustment

Answer: (d)

182. On the basis of the availability of organic matter, the heterotrophic animals are classified into which of the following three categories?

(a) Saprophytes, Parasites, Holozoic
(b) Autotrophs, Microorganisms, Saprophytes
(c) Parasites, Saprophytes, Zoophyte
(d) Zoophyte, Holozoic, Parasites

Answer: (a)

183. Monoclimax theory about the nature of the climax vegetation states that _____.

(a) regional climate is the dominant control of climax vegetation.

(b) habitat is not always in equilibrium with the ecosystem.

(c) many climax communities can be developed from any climate region.

(d) destructive and constructive activities of man affect climax vegetation.

Answer: (a)

184. Biosphere consists of which of the following given components?
I. Organic component
II. Abiotic component
III. Energy component

(a) Only I

(b) II and III

(c) I and III

(d) I, II and III

Answer: (d)

186. Which of the following statements regarding ecological niche is/are correct?
I. Law of competitive exclusion states that no two species will occupy the same niche and compete for exactly the same resources in the same habitat for very long.
II. More dominant species occupy extensive and broader ecological niche in comparison to less dominant species.
III. Ecological niche is not affected by the population / ource variables.

(a) I and III

(b) Only II

(c) I and II

(d) I, II and III

Answer: (c)

187. An intergovernmental treaty called the Ramsar Convention is based on _____.

(a) Drainage system

(b) Climate

(c) Wetlands

(d) Wildlife

Answer: (c)

188. Which of the following mountain ranges of Himalaya are separated by Main Boundary Thrust (MBT)?

(a) The Lesser Himalaya and the Shiwaliks

(b) The Greater Himalaya and the Lesser Himalaya

(c) The Trans Himalaya and the Shiwaliks

(d) The Lesser Himalaya and the Trans-Himalaya

Answer: (a)

189. Alluvial soil is mainly found in which of the following regions?

(a) Hills of Assam
(b) Mid-latitude zone of Himalaya
(c) Western Tamilnadu
(d) Indus-Ganga-Brahmaputra plains

Answer: (d)

190. In the Western Ghats, Jog falls is a waterfall on the _____ river.

(a) Krishna
(b) Sharavati
(c) Periyar
(d) Godavari

Answer: (b)

191. Which of the following characteristics of laterite soil is correct?

(a) Rich in Iron
(b) Less acidic in higher areas
(c) Abundance of organic matter
(d) Poor in aluminium

Answer: (a)

192. Bhakra dam is situated on which river?

(a) Chambal
(b) Ghaggar
(c) Satluj
(d) Gomti

Answer: (c)

193. Which of the following is the highest peak of the Kumaun Himalaya?

(a) Kamet
(b) Nanda Devi
(c) Kedarnath
(d) Trisul

Answer: (b)

194. The famous delta of Sundarban is found in _____.

(a) Tropical evergreen forest
(b) Alpine forest
(c) Dry Deciduous forest
(d) Mangrove forest

Answer: (d)

195. The dynamic concept about the origin of monsoon was put forward by _____.

(a) Kendrew
(b) Flohn
(c) Halley
(d) Kant

Answer: (b)

196. The Andaman and Nicobar islands are separated by _____.

(a) Radcliffe line
(b) Ten degree channel
(c) Durand line
(d) Eight degree channel

Answer: (b)

197. Which of the following is one of the dominant trees of the tropical moist deciduous forests?

(a) Deodar
(b) Rosewood
(c) Teak
(d) Oak

Answer: (c)

198. Which of the following soils has high water retair , capacity?

(a) Laterite soil
(b) Black soil
(c) Desert soil
(d) Mountain soil

Answer: (b)

199. The colour of red soil is due to the presence of _____.

(a) Calcium Carbonate
(b) Ferric Oxide
(c) Phosphorous
(d) Aluminium oxide

Answer: (b)

200. Which of the following assertions is NOT correct about the Cold Desert of India?

(a) It is surrounded by Zanskar mountains in the south.
(b) River Indus flows through this region.
(c) It lies in the rain shadow area of the Himalaya mountains.
(d) This region has enormous variety of saline lake beds.

Answer: (d)

Discipline6

201. Which of the following combinations of 'River-Tributary' is correct?

(a) Kaveri - Hemavathi

(b) Godavari - Panchganga

(c) Narmada - Betul

(d) Jhelum - Parvati

Answer: (a)

202. Koppen's classification of Indian climate was based on which of the following consideration(s)?
I. Mean monthly temperature
II. Mean annual rainfall
III. Mean monthly rainfall

(a) I and II

(b) II and III

(c) Only I

(d) I, II and III

Answer: (d)

203. The National Forest Policy 1952 classified the forests of India into which of the four given categories?

(a) Protected forests, National forests, Village fores[illegible] Tree lands

(b) Protected forests, Private forests, Village fore[illegible] Broad-leaf forests

(c) Unclassified forests, National forests, Comm[illegible]al forests, Tree lands

(d) Protected forests, Village forests, Re[illegible]rved [illegible]ests, National forests

Answer: (a)

204. 'Flying squirrel' is found in which of the following biosphere reserves?

(a) Pachmarhi, Madhya Pradesh

(b) Kutch, Gujarat

(c) Nokrek, Meghalaya

(d) Gulf of Mannar, Tamil Nadu

Answer: (a)

206. Which of the following statements is/are correct about the season of retreating monsoon in India?
I. The temperature during the season of retreating monsoon is uniformly high i.e. about 25 degrees celcius in northern India.
II. It moves further southward by the beginning of December and merges with the equatorial low.
III. The south-west monsoon begins to retreat from southern India by the last week of October.

(a) II and III

(b) Only I

(c) I and II

(d) I, II and III

Answer: (c)

207. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R):
Assertion (A): The upper air low pressure westerly jet streams cause no change in general weather.
Reason (R): The upper air high pressure and anticyclonic conditions are developed in the troposphere.
In the context of the above two statements, which of the following is correct?

(a) (A) is correct, but (R) is wrong.

(b) (A) is wrong, but (R) is correct.

(c) Both (A) and (R) are correct and (R) explains (A).

(d) Both (A) and (R) are wrong.

Answer: (b)

208. Which of the following groups of rivers is correctly sequenced in the ascending order of their length in kilometres?

(a) Beas River, Ravi River, Yamuna River, Ganga River

(b) Yamuna River, Brahmaputra River, Chenab River, Ganga River

(c) Ganga River, Indus River, Brahmaputra River, Ravi River

(d) Chenab River, Beas River, Brahmaputra River, Yamuna River

Answer: (a)

209. Which of the following countries has the largest rail network in the world?

(a) China

(b) India

(c) United States of America

(d) Russia

Answer: (c)

210. The Airport Authority of India (AAI) constituted in _____.

(a) March 1990

(b) January 1985

(c) April 1995

(d) June 1997

Answer: (c)

211. How many Export Processing Zones (EPZ) has been identified by the government of India?

(a) Six

(b) Seven

(c) Eight

(d) Ten

Answer: (b)

212. Shifting cultivation is known by which name in northeast India?

(a) Kumari
(b) Dahia
(c) Bewar
(d) Jhum

Answer: (d)

213. The only riverine major seaport of India is _____.

(a) Port of New Tuticorin
(b) Port of Kolkata
(c) Port of Kochi
(d) Port of Visakhapatnam

Answer: (b)

214. Which of the following was the first continent to be industralised?

(a) Asia
(b) North America
(c) Europe
(d) Australia

Answer: (c)

215. Which branch of agriculture deals with the cultiv n of fruits, vegetable and ornamental plants?

(a) Apiculture
(b) Horticulture
(c) Sericulture
(d) Mariculture

Answer: (b)

216. Which country has the largest postal network in the world?

(a) Japan
(b) China
(c) France
(d) India

Answer: (d)

217. India is the largest producer of which of the following industries?

(a) Jute textile
(b) Uranium Industry
(c) Copper Industry
(d) Silk textile

Answer: (a)

218. The headquarters of India's North-Western railway zone is situated in _____.

(a) Gorakhpur
(b) Kolkata
(c) Lucknow
(d) Jaipur

Answer: (d)

219. Which of the following crops is grown in the kharif season?

(a) Maize
(b) Barley
(c) Wheat
(d) Gram

Answer: (a)

220. The Great Lakes Region of United States of America majorly comprises which of the following industries?

(a) Aircrafts
(b) Iron and steel
(c) Diamond cutting
(d) Fertilizers

Answer: (b)

Discipline7

221. In economic structure, the quaternary sector activities includes which of the following?

(a) Goods and services
(b) Agriculture
(c) Research and information
(d) Manufacturing

Answer: (c)

222. Which of the following countries is the leading producer of coal?

(a) Australia
(b) India
(c) China
(d) Russia

Answer: (c)

223. Road transport in India faces a serious problem of _____.

(a) scarcity of manpower
(b) lack of check posts
(c) excessive side amenities
(d) mixed traffic

Answer: (d)

224. The first three leading producers of uranium are _____.

(a) Brazil, New Zealand, France

(b) Canada, Australia, Kazakhstan

(c) Iceland, Norway, India

(d) South Korea, Japan, Uzbekistan

Answer: (b)

225. In the given Von Thunen's economic rent formula, 'k' represents which of the following?
R=E(p-a) - Efk

(a) Distance from market

(b) Output per unit of land

(c) Production cost per unit of commodity

(d) Rent per unit of land

Answer: (a)

226. Which of the following factors does NOT influence the agriculture of any region?

(a) Topography

(b) Land tenancy

(c) High Yielding Varieties

(d) Inheritance

Answer: (d)

227. Which of the following is/are the objective(s) of [illegible]cond green revolution?
I. To increase the per-capita income of the farmers [illegible] to raise their standard of living.
II. To incorporate or emphasis the use of bi[illegible]gy.
III. To become self-sufficient in staple food, p[illegible]il seeds and industrial raw material.

(a) Only I

(b) II and III

(c) Only II

(d) I, II and III

Answer: (d)

229. In a village the net cultivated area is 1000 hectares and cropped area is 350 hectares and 550 hectares in the rabi and the kharif season respectively. What would be the agricultural intensity of this village?

(a) 50 percent

(b) 90 percent

(c) 20 percent

(d) 65 percent

Answer: (b)

231. The rate of increase of the world's population quickened after which year?

(a) 2000
(b) 1800
(c) 1900
(d) 1700

Answer: (c)

232. Which type of rural settlement is found in Asia?

(a) Compact
(b) Dispersed
(c) Semi-sprinkled
(d) Semi-compact

Answer: (a)

233. The model of urban morphology-'The Concentric Zone Theory' was proposed by _____.

(a) Robert Park
(b) E.W. Burgess
(c) Homer Hoyt
(d) Edward Ullman

Answer: (b)

234. Which country adopted the 'One-Child Policy' to discourage their population growth?

(a) Russia
(b) India
(c) Bangladesh
(d) China

Answer: (d)

235. Regressive population, when plotted on a graph, produces a _____.

(a) broad base pyramid
(b) regular tapering pyramid
(c) narrow base pyramid
(d) convex pyramid

Answer: (c)

236. Which of the following groups of countries is correctly sequenced in the ascending order of their population as per the 2016 UNO estimates?

(a) United States of America, Russia, China, India
(b) Indonesia, United States of America, India, China
(c) Brazil, Indonesia, Bangladesh, China
(d) Bangladesh, Russia, China, United States of America

Answer: (b)

237. Which of the following factors affect the origin of rural settlement?
I. Fertile land
II. Building material
III. Dry land
IV. Favourable climate

(a) I and III

(b) II,III and IV

(c) II and IV

(d) I,II,III and IV

Answer: (d)

238. According to the optimum population theory, the optimum population is that which gives the _____.

(a) minimum diminishing returns

(b) maximum output with less resources

(c) maximum income per head

(d) minimum output per capita

Answer: (c)

239. Given below are two statements, one labelled as Assertion (A) and the other labelled as Reason (R):
Assertion (A): Migration has a direct bearing on the age composition.
Reason (R): Migration tends to be age selective which means the people in the age group of 15-30 years are more mobile than the people in the younger and older age groups.
In the context of the above two statements, which one of the following is correct?

(a) (A) is correct, but (R) is wrong.

(b) (A) is wrong, but (R) is correct.

(c) Both (A) and (R) are correct and (R) explains (A).

(d) Both (A) and (R) are wrong.

Answer: (c)

240. Which of the following statement regarding 'Demographic Transition theory' is NOT correct?

(a) It is based on the hypothesis that the decline in mortality comes before the decline in fertility.

(b) The first stage of demographic transition is characterised by declining birth rate and low death rate.

(c) This theory was put forward by W.S. Thompson and Frank W. Notestein in its original form.

(d) This theory postulates that socio-economic transformation of a society takes place simultaneously with its demographic transition.

Answer: (b)

Discipline8

241. Thailand in South –East Asia is the buffer zone between the French Realm in Indo-china and the _____.

(a) North-Eastern India
(b) Mediterranean African states
(c) British Empire in Asia
(d) Sino-Russian boundary in Mongolia

Answer: (c)

243. Which of the following is the last stage of the geographical boundary making?

(a) Identification
(b) Negotiation
(c) Delimitation
(d) Demarcation

Answer: (d)

244. The McMohan line is a borderline between _____.

(a) North America and South America
(b) India and China
(c) North Korea and South Korea
(d) Germany and France

Answer: (b)

245. Which of the following countries of Asia is land[illegible]ked?

(a) Uzbekistan
(b) Bangladesh
(c) Indonesia
(d) Malaysia

Answer: (a)

246. Which of the following factors did NOT provide the necessary impetus to the revival of geopolitics?

(a) Break-up of the colonial empires
(b) Emergence of large number of nation-states
(c) More complex world before world war
(d) Advancement of political parties

Answer: (d)

247. The statement that "Political frontiers tend to establish nationalities" was made by _____.

(a) Reinhold Niebuhr
(b) H. Kohn
(c) John Stuart Mill
(d) Karl W. Deutsch

Answer: (b)

248. According to Smith, which of the following is NOT one of the indicators representing different components of well-being?

(a) Mental and Physical health

(b) Social order

(c) Re-creation and leisure

(d) Cultural elements

Answer: (d)

249. Which of the following statements regarding one of the schools of human geography 'Possibilism' is/are correct?
I. This theory takes man as an active agent in environment.
II. Vidal de La Blache was a staunch supporter of the philosophy of possibilism.
III. The concept of possibilism was put forward by Taylor in the 1920s.

(a) I and II

(b) II and III

(c) Only III

(d) I, II and III

Answer: (a)

251. If A, B and C are the functions of territoriality where 'A' stands for enforcing control over access to the territory, 'B' stands for reifying power and 'C' stands for displacing attention from the social relation of dominance, then which of the following strategies of territoriality is/are correctly defined?
I. Social conflict obscured – A and C
II. Efficient span of control - A, B and C
III. Divide and rule – Only B

(a) I and II

(b) Only I

(c) I and III

(d) I, II and III

Answer: (b)

252. Which of the following falls under the category of cumulative atmospheric disaster?

(a) Heat waves

(b) Earthquakes

(c) Eutrophication

(d) Nuclear war

Answer: (a)

253. The strongest cyclone in the cyclone history of India known as 'Super cyclone' occurred in which state?

(a) Karnataka

(b) Gujarat

(c) Andhra Pradesh

(d) Odisha

Answer: (d)

254. The consideration of susceptibility of a particular community or group to a particular disaster is _____.

(a) Regional vulnerability
(b) Social vulnerability
(c) Global vulnerability
(d) Physical vulnerability

Answer: (b)

255. Elastic rebound theory related to earthquakes was postulated by _____.

(a) C.G. Bates
(b) H.F. Reid
(c) Charles F. Ritcher
(d) A.J. Henry

Answer: (b)

256. According to Indian Meteorological Department (IMD), drought occurs when the mean annual rainfall is _____ of the normal rainfall.

(a) more than 45 percent
(b) more than 85 percent
(c) less than 50 percent
(d) less than 75 percent

Answer: (d)

257. On the basis of speed of movement, which haz[illegible] is considered to be a slow on-set hazard?

(a) Drought
(b) Lava flow
(c) Tornado
(d) Tsunami

Answer: (a)

258. The Mount Pelee eruption on the Martinique Island in the Caribbean sea consuming around 28,000 lives, took place in which year?

(a) 1940
(b) 1902
(c) 1935
(d) 1915

Answer: (b)

259. Which of the following is NOT one of the characteristics of the eye of cyclone?

(a) Scarcity of rain
(b) Generally dry
(c) Winds are feeble
(d) Extremely moist

Answer: (d)

260. Which of the following is NOT one of the causes of floods?

(a) Wind shear in the vertical

(b) Large-scale deforestation

(c) Highly sinuous and meandering courses of rivers

(d) Faulty agricultural practices

Answer: (a)

Discipline9

261. Which of the following is a small scale map?

(a) Land parcel map

(b) Atlas map

(c) Topographical map

(d) Settlement map

Answer: (b)

262. In which of the following fields, passive microwave remote sensing is used?

(a) Oceanography

(b) Agriculture

(c) Mineralogy

(d) Pedology

Answer: (a)

263. A type of bar diagram where columns can bes into sections to show breakdown of the total value is called _____.

(a) Comparative bar diagram

(b) Compound bar diagram

(c) Paired bar diagram

(d) Deviation bar diagram

Answer: (b)

264. Which of the following techniques specifically uses the numerical data to prepare a thematic map?

(a) Symbol method

(b) Tint Method

(c) Dot method

(d) Shading method

Answer: (d)

265. The pushbroom scanning operation was first performed in which of the following satellites?

(a) BHASKARA-I

(b) SPOT-1

(c) LANDSAT-1

(d) TIROS-1

Answer: (b)

266. Cadastral maps are the maps representing _____.

(a) highly generalized maps of the world

(b) the earth's surface features

(c) land properties or land parcels or plots

(d) the cultural landscapes of the earth surface

Answer: (c)

267. In which of the following conditions, the sensor remote is able to detect even smaller objects on one spectrum?

(a) When the radiometric resolution is higher.

(b) When spectral resolution is recorded in a specified wavelength.

(c) When the spatial resolution is higher

(d) When temporal resolution is same for all the object.

Answer: (c)

268. Which of the following is NOT one of the properties of the conical map projections?

(a) The pole is represented as an arc or a point.

(b) All parallels are arcs of concentric circles.

(c) These are not orthomorphic projections.

(d) Scale is true along the standard parallel(s).

Answer: (c)

269. Point pollution of river water involves which of the following?

(a) Melting snow due to rain

(b) Soil erosion due to deforestation

(c) Discharge of pollutants from agricultural fields

(d) Urban sewage drains

Answer: (d)

270. Maximum ozone density is found between the height of _____.

(a) 20 km to 25 km

(b) 30 km to 35 km

(c) 12 km to 20 km

(d) 50 km to 65 km

Answer: (a)

271. Which of the following is NOT the attribute of sustainability?

(a) Ecological function

(b) Continuous supply of ecological resources

(c) Maintaining Ecological balance

(d) Meeting favourable ecological demands

Answer: (d)

272. High concentration of which substance in lake water can cause lung cancer?

(a) Fluoride
(b) Asbestos
(c) Sodium
(d) Arsenic

Answer: (b)

273. The Bhopal Gas Tragedy happened due to the leakage of which gas?

(a) Styrene
(b) Arsenic pentafluoride
(c) Methyl iso-cynate
(d) Hydrogen sulfide

Answer: (c)

274. Which method can be effectively used to handle particular matter smaller than one micrometre?

(a) Combustion modification
(b) Electrostatic Precipitator
(c) Bag filter
(d) Wet Scrubbers

Answer: (b)

275. El-Nino Southern Oscillation is associated with _ _.

(a) continuous precipitation
(b) rise in normal sea temperature
(c) decrease in amount of salinity
(d) cold water currents

Answer: (b)

276. Which of the following evidences does NOT support the theory of gradual rise in global warming?

(a) Thawing of permafrost areas
(b) Rise in sea level
(c) Melting of continental glaciers
(d) Stationary pattern of rainfall

Answer: (d)

277. Which of the following is NOT considered to be a particulate air pollutant?

(a) Aerosols
(b) Glycerol
(c) Pollen grains
(d) Soots

Answer: (b)

278. What is the threat value number for the moderately threatened species of a plant?

(a) 15-20

(b) 6-10

(c) 0-5

(d) 10-15

Answer: (b)

280. Which of the following statements is/are correct regarding poverty in India?
I. Fast population growth is identified as one of the causes of poverty.
II. The government of India started Public Distribution System (PDS) to ensure food security to people.
III. Integrated Rural Development Programme (IRDP) was adopted in 2001 to eradicate poverty.

(a) I and II

(b) II and III

(c) Only III

(d) I,II and III

Answer: (a)

Teaching Methodology

281. Statements like 'he is solving the problem like a expert', 'She is singing very well like Lata Mangeshkar' represents which of the following way th is used to strengthen the imitations performed by a child?

(a) Vicarious reinforcement

(b) Satisfying consequences

(c) Providing direct praise or incentives

(d) Readiness

Answer: (c)

282. How can you as a teacher encourage discovery learning in the classroom?
I. Your basic mode of interaction with the students should be questioning, using both convergent or divergent questions.
II. You should encourage 'student – student' interaction more than the 'student – teacher' interaction.

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (c)

283. Mayanti is studying in class 4. She is able to follow the lessons in the class. But when teacher ask her questions in oral exam, then she is unable to answer. In this situation, by which way a teacher can assess her learning?

(a) Compensation

(b) Omission

(c) Modification

(d) Substitution

Answer: (c)

284. Which of the following children are at risk for exclusion from education system?
I. Children with disabilities
II. Children from deprived environments
III. Girl Child

(a) I and II

(b) II and III

(c) I and III

(d) I, II and III

Answer: (d)

285. Who among the following considered Personality in the terms of Introversion and Extroversion?

(a) Carl Jung

(b) Alfred Adler

(c) Sigmund Freud

(d) H.J. Eysenck

Answer: (a)

286. Which of the following statement is not correct about collage making?

(a) Group working can be enhanced

(b) The creative skills in children diminishes by such activities

(c) It helps to develop fine motor skills of children by tearing and pasting

(d) It develops interest in those children who cannot draw efficiently and gets discouraged

Answer: (b)

287. Theatre/Drama performances are based upon which of the following?
I. Eradication of social events
II. Stories of famous personalities

(a) Only I

(b) Only II

(c) Both I and II

(d) Neither I nor II

Answer: (b)

288. Which of the followings statement(s) is/are the characteristics of a good indicator of evaluation?
I. It provides useful information to the teachers.
II. It helps to compare its value to a standard itself.
III. It helps to identify problematic situations.

(a) I and II

(b) II and III

(c) I, II and III

(d) Only II

Answer: (c)

289. Methods of language – teaching have been influenced by a variety of extant social, political and psychological factors. Among those factors which of the following is/are prominent?
I. Needs of society at a particular point of time.
II. An understanding of what language is.
III. Understanding of how children learn.

(a) I and III

(b) II and III

(c) Only I

(d) I, II and III

Answer: (d)

290. _____ and _____ are mutually dependent skills w[illegible]ein the processes of _____ and _____ are interwined.

(a) listening; speaking; thinking; understanding

(b) speaking; playing; thinking; underst[illegible]

(c) thinking; understanding; speaking; listenin[illegible]

(d) listening, playing, thinking, understanding

Answer: (a)

291. Which of the following question(s) arises in the mind of a teacher just before commencing the theme for early childhood and care education programme?
I. Have I arranged the activity areas?
II. Is all my teaching learning material ready for this theme?
III. How will I observe and assess my children?

(a) I, II and III

(b) II and III

(c) Only I

(d) I and II

Answer: (a)

292. Which of the following is/are the sensory and perceptual development in the children till the age of 3 years?
I. Development of the five senses through visual, auditory, olfactory and kinaesthetic experiences.
II. Learning to control and coordinate their reflexes.

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

293. If we prove that 'sum of two even numbers is an even number' by using known results, definitions and rules of inference, then which kind of logic we are using here?
I. Inductive Logic
II. Deductive Logic

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (b)

294. While writing poems the length of lines used in the poem is also carefully chosen to maintain the poetic rhythm, feeling. This statement shows the relation of mathematics with which of the following?

(a) Science
(b) Literature
(c) History
(d) Economics

Answer: (b)

295. Which of the following is/are the approach(es) to reading in a foreign language?
I. Phonics
II. Look and Say

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

296. 'Using learners experiences' is one of the features of Learner Centered Social Science Class. Which of the following statement(s) describes this feature?
I. When you teach on processes involved in Agriculture, then you can ask students, who have seen those processes, to describe them.
II. When you talk about freedom fighters of India, then you may ask students to find out about the freedom fighters of their state/region.

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (a)

297. If we talk about critical pedagogy in social sciences, then which of the following question(s) you as a teacher can ask in your class?
I. How will the earth be if there are no forests at all?
II. Is there any way to fulfill the needs of growing population without deforestation?

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

298. 'Jupiter is the largest planet in the solar system.' This statement is a _____.
I. natural law
II. fact

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (b)

299. Which of the following activity(es) encourage children to talk to parents, elders and community members to find out and collect information?
I. Asking from elders that what games did they play when they were children.
II. Asking your grandparents that when they were 8/9 years old, then where did they live.

(a) Only I
(b) Only II
(c) Both I and II
(d) Neither I nor II

Answer: (c)

300. ‘Games like kho-kho, kabaddi need awareness and utilization of space.’ This statement shows the role of _____ in real life situation.

(a) geography

(b) science

(c) english

(d) mathematics

Answer: (d)

Answer key

Answer key from the Delhi Subordinate Services Selection Board's official answer key for this sitting. "—" means the key gave none.

Mental Ability

1	**(d)**	2	**(c)**	3	**(c)**	4	**(d)**	5	**(c)**	6	**(a)**
7	**(b)**	8	**(d)**	10	**(d)**	11	**(c)**	12	**(d)**	13	**(c)**
16	**(c)**	17	**(d)**								

General Awareness

21	**(a)**	22	**(c)**	23	**(a)**	24	**(a)**	25	**(b)**	26	**(b)**
27	**(a)**	28	**(c)**	29	**(a)**	30	**(b)**	31	**(b)**	32	**(c)**
33	**(a)**	34	**(b)**	35	**(c)**	36	**(d)**	37	**(c)**	38	**(c)**
39	**(a)**	40	**(c)**								

Arithmetic Ability

41	**(a)**	44	**(a)**	45	**(a)**	46	**(c)**	47	**(b)**	48	**(a)**
49	**(a)**	50	**(a)**	51	**(b)**	52	**(d)**	53	**(a)**	54	**(b)**
55	**(a)**										

General English

61	**(b)**	62	**(c)**	65	**(d)**	66	**(b)**	67	**(d)**	68	**(b)**
69	**(b)**	70	**(a)**	71	**(b)**	72	**(c)**	73	**(d)**	74	**(d)**
75	**(d)**	77	**(c)**	78	**(c)**	79	**(a)**	80	**(b)**		

Discipline1

101	**(a)**	102	**(b)**	103	**(a)**	104	[illegible]	05	**(d)**	106	**(b)**
107	**(b)**	108	**(a)**	109	**(d)**	110	**(b)**	112	**(b)**	113	**(b)**
114	**(a)**	115	**(a)**	116	**(b)**	117	**(c)**	118	**(b)**	119	**(b)**
120	**(c)**										

Discipline2

121	**(c)**	122	**(a)**	123	**(b)**	124	**(c)**	125	**(b)**	126	**(d)**
127	**(b)**	128	**(c)**	129	**(b)**	130	**(b)**	131	**(a)**	132	**(b)**
133	**(c)**	134	**(a)**	135	**(b)**	137	**(a)**	138	**(b)**	139	**(d)**
140	**(c)**										

Discipline3

141	**(c)**	142	**(b)**	143	**(a)**	144	**(a)**	145	**(b)**	146	**(a)**
147	**(a)**	148	**(c)**	149	**(d)**	150	**(d)**	151	**(c)**	152	**(a)**
153	**(a)**	154	**(a)**	155	**(b)**	156	**(c)**	157	**(a)**	158	**(d)**
159	**(b)**	160	**(b)**								

Discipline4

161	**(d)**	162	**(c)**	164	**(d)**	165	**(b)**	166	**(b)**	167	**(c)**
168	**(b)**	169	**(a)**	170	**(a)**	171	**(a)**	173	**(d)**	174	**(c)**
175	**(b)**	176	**(a)**	177	**(c)**	178	**(d)**	179	**(b)**	180	**(b)**

Discipline5

181	**(d)**	182	**(a)**	183	**(a)**	184	**(d)**	186	**(c)**	187	**(c)**
188	**(a)**	189	**(d)**	190	**(b)**	191	**(a)**	192	**(c)**	193	**(b)**
194	**(d)**	195	**(b)**	196	**(b)**	197	**(c)**	198	**(b)**	199	**(b)**
200	**(d)**										

Discipline6

201	**(a)**	202	**(d)**	203	**(a)**	204	**(a)**	206	**(c)**	207	**(b)**
208	**(a)**	209	**(c)**	210	**(c)**	211	**(b)**	212	**(d)**	213	**(b)**
214	**(c)**	215	**(b)**	216	**(d)**	217	**(a)**	218	**(d)**	219	**(a)**
220	**(b)**										

Discipline7

221	**(c)**	222	**(c)**	223	**(d)**	224	**(b)**	225	**(a)**	226	**(d)**
227	**(d)**	229	**(b)**	231	**(c)**	232	**(a)**	233	**(b)**	234	**(d)**
235	**(c)**	236	**(b)**	237	**(d)**	238	**(c)**	239	**(c)**	240	**(b)**

Discipline8

241	**(c)**	243	**(d)**	244	**(b)**	245	**(a)**	246	**(d)**	247	**(b)**
248	**(d)**	249	**(a)**	251	**(b)**	252	**(a)**	253	**(d)**	254	**(b)**
255	**(b)**	256	**(d)**	257	**(a)**	258	**(b)**	259	**(d)**	260	**(a)**

Discipline9

261	**(b)**	262	**(a)**	263	**(b)**	264	**(d)**	[illegible]	**(b)**	266	**(c)**
267	**(c)**	268	**(c)**	269	**(d)**	270	**(a)**	271	**(d)**	272	**(b)**
3	**(c)**	274	**(b)**	275	**(b)**	276	**(d)**	277	**(b)**	278	**(b)**
280	**(a)**										

Teaching Methodology

281	**(c)**	282	**(c)**	283	**(c)**	284	**(d)**	285	**(a)**	286	**(b)**
287	**(b)**	288	**(c)**	289	**(d)**	290	**(a)**	291	**(a)**	292	**(c)**
293	**(b)**	294	**(b)**	295	**(c)**	296	**(a)**	297	**(c)**	298	**(b)**
299	**(c)**	300	**(d)**								