

No of Questions: 150

Time: 2 ½ Hours

PART – A

SYNONYMS

Directions : Each of item in this section consists of a sentence with an underline word/words followed by four words. Select the option that is **nearest in meaning** to the underline word/words and mark your response in your answer sheet accordingly.

1. The early monsoon have brought respite to the people
a) despite b) inspite of
c) interval of relief d) rest
2. Furtive glances were exchanged between the lovers at the feast.
a) unknown b) secret
c) unsuspecting d) clandestine
3. The resignation of the Chief minister is intriguing.
a) curious b) interesting
c) secret d) diplomatic
4. She purchased gimcrack ornaments from the market.
a) expensive b) worthless
c) rare d) smuggled
5. Mohinder amaranth had penchant for hook shoots.
a) art b) inclination
6. The flat has been refurbished recently.
a) white-washed b) painted
c) renovated d) repaired
7. She is very discreet.
a) mannered b) mild
c) proud d) prudent
8. The five experiments gave disparate results
a) similar b) encouraging
c) strange d) different
9. Our fates seemed intertwined.
a) complicated b) destined
c) complex d) linked
10. Some satirists are known for their trenchant style.
a) sharp b) critical
c) aggressive d) incisive.

ANTONYMS

Directions: Each of item in this section consists of a sentence with an underline word/words followed by four words. Select the option that is **opposite in meaning** to the underline word/words and mark your response in your answer sheet accordingly.

11. How dare you desecrate an idol of this temple
a) defile b) pollute
c) deify d) impious
12. you are advised to show clemency to the defeated enemy.
a) callousness b) mercy
c) leniency d) kindness
13. A character without a blemish is a virtue of a leader.
a) stigma b) adornment
14. At his success in the examination he felt elated
a) exultant b) dejected
c) resting d) jubilant
15. The prime minister's radio broadcast galvanized the people's spirit.
a) frightened b) pacified
c) dampened d) distracted
16. I am rather precarious position in my place of work.
a) strength b) blot

- a) comfortable b) senior
c) privileged d) secure
17. The young business executive was very **perspicacious**.
- a) banal b) clever
c) humble d) unreliable
18. In facing adverse situations, he was very **stoical**.
- a) tactless b) flinching

- c) awkward d) assured
19. The politician was **flummoxed** by the questions put to him
- a) comfortable b) annoyed
c) delighted d) disconcerted
20. They approached the stranger **warily**.
- a) humility b) selflessness
c) modesty d) dignity

COMPREHENSION

DIRECTIONS: In this section you have few short passage. After each passage you will find item based on the passage. First, read a passage and answer the item based on it. You are required to select answer based on the contents of the passage and opinion of the author only.

The two dominant features of our age are science and democracy. They both have to stay. We cannot ask demarcated people to accept the deliverness of faith without rational evidence. Whatever we are called upon to accept must be justified and supported by reason. Otherwise our religious belief will be reduced to wishful thinking. Modern man must learn to live with a religion which commends itself to his intellectual conscience, to the spirit of sciences. Beside should be the sustaining to the spirit of democracy which insists on the intellectual and spiritual development of every human being irrespective of his caste creed community or race. Any religion which divides man from man or supports privileges, exploitation, wars, cannot commend itself to us today.

26. In the passage it is said that democracy
- a) should aim at the intellectual growth of all people.
b) should strengthen religion.
c) should work for spiritual development of every human being.
d) both
27. Which of the following is correct?
- a) A good religion supports wars if necessary
b) A good religion grants a number of privileges to people.
c) A good religion divides man from man
d) A good religion supports democratic system.
28. The writer of the passage stresses the importance of

- a) religion. b) science.
c) science and democracy.
d) democracy.

29. The writer says that

- a) educated people are likely to accept faith not supported by reason
b) people should have unquestionable faith in religion.
c) Faith and reason are two separate entities.
d) Faith without rational evidence may not be acceptable to the educated people

30. What according to the writer is the role of religion in the present age?

- a) To promote rational thinking
b) To inculcate scientific spirit in man.
c) To strengthen faith in democracy.
d) To develop faith in God

The world's oil reserves are expected to run out by the middle of the next century unless oil consumption is reduced according to a leading petroleum geologist from the U.S Dr. Craig Bond Hatfield who is at the University of Toledo Ohio says the 1 000 billion barrels of known global oil reserves are expected to run out by 2036 unless the current 69-million barrels per day consumption of oil is brought down Reserves may last for an extra 21 years if estimates of an additional 550 billion barrels of oil yet to be discovered are taken into account. But "a permanent decline in global oil production is virtually certain to begin within 20 years." Hatfield believes. "Serious planning is needed to deal with the economic consequences.

"Hatfield's comments which appear in an article in the latest issue of the weekly science journal-Nature are likely to provoke controversy. The oil industry while acknowledging that oil reserves are finite says Hatfield's comments are too alarmist. Mr. Julian Chisholm a spokesman for the World Energy Council in London a consortium of the world's leading energy suppliers says the oil industry is bullish. The general view of the industry and of energy experts is that there is plenty of oil and real concern about the level of reserves at least until 2050 is not beyond.

- 31. Unless consumption is reduced the oil reserve will run out by the middle of**
- a) 20th century. b) 21st century.
c) 23rd century. d) 24th century.
- 32. Hatfield's comment on oil reserve is**
- a) not to be taken seriously.

- b) to be taken seriously.
c) to be made public in oil using countries.
d) to be circulated in all oil producing countries.

33. To deal With economic consequences

- a) there should be a cut in the use of oil.
b) serious planning is needed.
c) oil exploration should be geared up.
d) manufacture of vehicles should be controlled.

34. According to Industry and energy experts there is

- a) short supply of oil.
b) adequate supply of oil.
c) plenty of oil.
d) increase in oil use.

35. The current consumption of oil is million barrels.

- a) forty nine b) fifty nine
c) sixty nine d) seventy nine

FILL IN THE BLANK

Direction : Each of the following sentences in this section has a blank space and four words or group of words given after the sentences. Select the word or group of words consider most appropriate for the blank space and indicate your response on the Answer sheet accordingly.

- 36. She found a few good cards in a shop and she bought _____ cards last night**
- a) those b) that
c) them d) this
- 37. Ten miles _____ a long way to walk**
- a) are b) is
c) are being d) are not
- 38. The mechanic the vehicle since this morning**
- a) repaired b) repairing

- c) has been repairing d) will be repairing
- 39. I complimented him _____ his success in the examination**
- a) at b) on
c) about d) for
- 40. Security arrangements have been tightened up in all _____ areas**
- a) sensible b) sensual
c) sensitive d) sensational

IDOM/PHRASE

DIRECTIONS: Given below are some idioms/phrase followed by four alternative meaning to each. Choose the response (a) , (b) ,(c),or (d) which is the most appropriate expression.

41. A tall order :

- a) A task difficult to perform
b) A big problem
c) A royal summon
d) A big demand

- b) All of a sudden
c) Completion of work
d) Everyone without distinction

42. All and sundry:

- a) Greater share

43. To play fast and loose:

- a) To beguile others
b) To be winning sometimes and losing at other times

c) To play with someone's feeling

d) To play tricks

44. To set the people by ears:

a) To box the people

b) To insult and disgrace the people

c) To punish heavily

d) To excite people to a quarrel

45. To give chapter and verse for a thing:

a) To produce the proof of something

b) To eulogize the qualities of a thing

c) To make publicity of a thing

d) To attach artificial value to a thing

REORDEERING STATEMENT

Direction: In this section each item consists of six sentences of passage. The first and sixth sentence are given in the beginning as S1 and S6. The middle four sentences in each have been jumbled up and labelled P, Q, R and S. you are required to find the proper sequence of the four sentences and mark your response accordingly the answer sheet.

46. S1: So, we went on in the quiet and the twilight deepened into night.

S6: Then, as the darkness grew deeper, she put her arms round my neck and closing her eyes rightly pressed her face against my shoulder.

P: The ground grew dim and the trees black.

Q: The clear blue of the distance faded and one star after another came out.

R: Neena's fears and her fatigue grew upon her.

S: I took her in my arms and talked to her and caressed her. The proper sequence should be

a) PRQS b) QPRS

c) QPSR d) RSPQ

47. S1: Kennedy kicked moodily at the leg of the chair which he was holding.

S6: It was a depressing beginning.

P: Now, his chief desire seemed to be to score off the human race in general, his best friend included.

Q: If he had asked Fenn to help him in a tight place, then he knew he could have relied on him.

R: Last term he and Fenn had been as close friends as you could wish to see.

S: The feeling that his whole world had fallen about his ears was increasing with every hour he spend at Kay's. The proper sequence should be

a) PRSQ b) RSPQ

c) SRQP d) RQPS

48. S1: I sat at the table and ate.

S6: I was just the normal Ramaswamy, husband Madeleine.

P: My breathing became suddenly difficult.

Q: I concentrated on my food and I was convinced I had to eat.

R: I stopped, however any exhibition of the extraordinary.

S: But lungs have temperament. The proper sequence should be

a) PRSQ b) QSPR

c) QSRP d) SPRQ

49. S1: Todd borrowed this dollar last year on the 8th of April.

S6: And I said, 'certainly'.

P: He needed a dollar to pay his taxi and I lent it to him.

Q: He merely said, 'Let me have a dollar, will you'!

R: It happened quite simply and naturally.

S: I hardly realised it till it was all over. The proper sequence should be

a) PRSQ b) RSPQ

c) QRPS d) PQRS

50. S1: People have always been fascinated by dreams. S6 : But a small number, perhaps less than 5% have them regularly.

P: In fact, only recently have there been serious studies to find out how many of us actually have nightmares.

Q: Now that is changing.

R: But the study of nightmares has been curiously neglected.

S: While results so far are inconclusive, it seems fair to say that at least half the population has occasional nightmares.

The proper sequence should be

- a) SRPQ b) RQPS

c) PQRS

d) SQRP

PART – B

1. Consider the following statements:
The fraction of a ball floating inside the liquid depends upon

1. density of the liquid.
2. mass of the ball.
3. density of the ball.

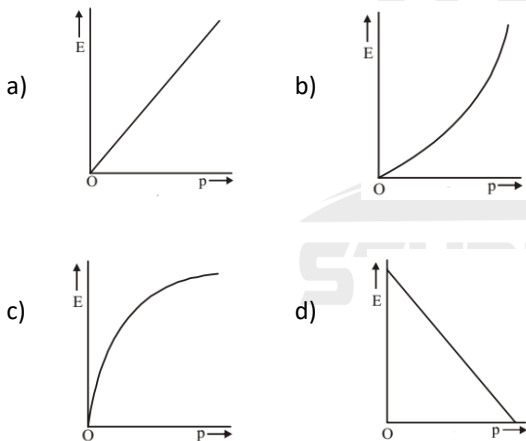
Which of the statements given above are correct?

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

2. When a ship floats on water

- a) it displaces no water
- b) the mass of water displaced is equal to the mass of the ship
- c) the mass of water displaced is lesser than the mass of the ship
- d) the mass of water displaced is greater than the mass of the ship

3. Which one of the following correctly represents the variation between linear momentum (P) and kinetic energy (E) of a body? E O p



4. A long jumper runs before jumping because he

- a) covers a greater distance
- b) maintains momentum conservation
- c) gains energy by running
- d) gains momentum

5. A man is sitting on a rotating stool with his arms outstretched. If suddenly he folds his arms the angular velocity of the man would

- a) increase b) decrease
c) become zero d) remain constant

6. A man is at rest in the middle of a horizontal plane of perfectly smooth surface of ice. He can move himself to the shore by making use of Newton's

- a) first law of motion
- b) second law of motion
- c) third law of motion
- d) first, second and third laws of motion

7. A body weighs 5 kg on equator. At the poles it is likely to weigh

- a) 5 kg
- b) less than 5 kg but not zero
- c) 0 kg
- d) more than 5 kg

8. If an object undergoes a uniform circular motion, then its

- a) acceleration remains uniform
- b) velocity changes
- c) speed changes
- d) velocity remains uniform

9. Two equal amounts of water are mixed by gently pouring both into an insulated cup. One part is initially at 90°C, and the other part is initially at T_i °C. If the final temperature of the mixture is 131°C, what is the value of T?

- a) 90° b) 68
c) 20 d) 0

10. The surface temperature of the Sun is nearly

- a) 2000 K b) 4000 K
c) 6000 K d) 8000 K

11. Consider the following statements for a simple harmonic motion:

1. The magnitude of the velocity of the body is proportional to its displacement from the mean position.
2. The magnitude of the acceleration of the body is proportional to its displacement from the mean position.
3. The sum of the kinetic energy and potential energy of the body is always constant.

Which of the statements given above is/are correct?

- a) 1 and 3 b) 2 and 3
c) Only 3 d) Only 2

12. A sonometer wire having a length of 50 cm is vibrating in the fundamental mode with a frequency of 100Hz. Which of the following is the type of propagating wave and its speed?

- a) Longitudinal, 50 m/s
b) Transverse, 50 m/s
c) Longitudinal, 100 m/s
d) Transverse, 100 m/s
- 13. What is the essential difference between a terrestrial telescope and an astronomical telescope?**
a) One of the lenses in a terrestrial telescope is concave
b) The final image formed in a terrestrial telescope is virtual
c) A terrestrial telescope forms an erect image while an astronomical telescope forms an inverted image
d) A terrestrial telescope forms an inverted image while an astronomical telescope forms an erect image
- 14. How far must a girl stand in front of a concave spherical mirror of radius 120 cm to see an erect image of her face four times its natural size?**
a) 40 cm from the mirror
b) 45 cm from the mirror
c) 50 cm from the mirror
d) 55 cm from the mirror
- 15. Light travels slower in glass than in air because**
a) refractive index of air is less than that of glass
b) refractive index of air is greater than that of glass
c) density of glass is greater than that of air
d) density of glass is less than that of air
- 16. The mirror used for the head light of a car is**
a) spherical concave
b) plane
c) cylindrical
d) parabolic concave
- 17. What is the number of neutral points for a bar magnet with its north pole pointing geographical north?**
a) Zero b) One
c) Two d) Infinite
- 18. In our houses we get 200 VAC. What does the value 220 V represent?**
a) Constant voltage
b) Effective voltage
c) Average voltage
d) Peak voltage
- 19. The resistance of a wire that must be placed parallel with a 120 resistance to obtain a combined resistance of 4W is**
a) 2W b) 4W
c) 6W d) 8W
- 20. Which one of the following is the resistance that must be placed parallel with 12 ohm's resistance to obtain a combined resistance of 4 ohm's?**
a) 2 ohm's b) 4 ohm's
c) 6 ohm's d) 8 ohm's
- 21. The material used for electric fuse is an alloy of tin and lead. This alloy should have**
a) high specific resistance and low melting point
b) low specific resistance and high melting point
c) low specific resistance and low melting point
d) high specific resistance and high melting point
- 22. For which among the following house appliances, magnet is an essential part?**
a) Calling bell b) Fan
c) Washing machine d) All of the above
- 23. Which type of cell can be used if a device requires 75 A of current for 15 seconds?**
a) Simple voltaic cell b) Daniel cell
c) Leclanche cell d) Lead-acid cell
- 24. Which of the following is the range of frequency used in optical communication?**
a) $10^3 - 10^4$ Hz b) $10^8 - 10^9$ Hz
c) $10^{13} - 10^{14}$ Hz d) $10^{16} - 10^{17}$ Hz
- 25. An oxide of nitrogen has molecular weight 30. What is the number of electrons in one molecule of the compound?**
a) 14 b) 15
c) 22 d) 23
- 26. Which one of the following elements shows variable equivalent mass?**
a) Zinc b) Silver
c) Calcium d) Iron
- 27. The deficiency of which one of the following leads to dental caries?**
a) Iron b) Copper
c) Fluorine d) Zinc
- 28. The number of protons in a negatively charged atom (anion) is**
a) more than the atomic number of the element
b) less than the atomic number of the element
c) more than the number of electrons in the atom
d) less than the number of electrons in the atom
- 29. How many milligrams is 1 carat of diamond equal to?**
a) 100 mg b) 150 mg
c) 200 mg d) 250 mg
- 30. Which of the following statements about diamond are correct?**
1. It is used as a gem in jewellery because of its ability to reflect light.
2. It is good conductor of electricity.
3. It is used for cutting glass, marble stones and other hard materials.
4. It is used for drilling of rocks.

Select the correct answer using the codes given below

- a) 1, 3 and 4 b) 2, 3 and 4
c) 1, 2 and 3 d) 2 and 4
31. Which one of the following is the correct order in which the gases H₂, Ne, O₂ and N₂ are evolved on fractional distillation of liquid air?
a) H₂, Ne, O₂, N₂ b) H₂, Ne, N₂, O₂
c) N₂, O₂, Ne, H₂ d) O₂, N₂, H₂, Ne
32. Which one among the following is the correct order of reactivity of the elements?
a) Cu > Mg > Zn > Na b) Na > Zn > Mg > Cu
c) Cu > Zn > Mg > Na d) Na > Mg > Zn > Cu
33. When aqueous solutions of two salts are mixed, the third salt formed may appear as a solid precipitate or a clear solution depending upon the solubility of its ions. It is observed that all salts of Na, K, NH₄ are soluble. All nitrates and bicarbonates are also soluble. All halides (chlorides, bromides, iodides) are soluble except those of Ag, Hg (I) and Pb. All sulphates are soluble except those of Ag, Ca, Ba and Pb. Which one among the following combinations of solutions will produce a solid precipitate?
a) Sodium sulphate and barium chloride
b) Magnesium sulphate and barium bicarbonate
c) Lithium iodide and barium chloride
d) Ammonium sulphate and potassium bromide
34. Which one among the following is the main constituent of soda lime glass?
a) Sodium oxide b) Calcium oxide
c) Calcium carbonate d) Silica
35. What is the reason for white cement to be white?
a) It does not contain carbon
b) It does not contain silicon
c) It does not contain iron
d) It does not contain calcium
36. What is a mixture of potassium nitrate, powdered charcoal and sulphur called?
a) Glass b) Cement
c) Paint d) Gun power
37. Which one among the following is the main ingredient in cement?
a) Gypsum b) Limestone
c) Clay d) Ash
38. Two elements gallium and oxygen combine to form a compound Ga₂O₃. Which among the following is the valency of gallium?
a) 1 b) 2
c) 3 d) 4
39. Which one among the following is an electrochemical cell that cannot be charged?
a) Electrolytic cell b) Storage cell
c) Primary cell d) Fuel cell
40. Flow velocities in an incompressible fluid can be measured with which one of the following?
a) Barometer b) Venturi tube
c) Strain gauge d) Manometer
41. Which one of the following is considered as a cell within a cell?
a) Ribosome b) Chloroplast
c) Lysosome d) Golgi complex
42. Which of the following organelles of a cell is/are involved in photosynthesis?
a) Chloroplast
b) Mitochondrion
c) Endoplasmic reticulum
d) Golgi body
43. Which one among the following Indian scientists proposed a theory for long distance transport of water in plants?
a) JC Bose b) Birbal Sahni
c) P Maheshwari d) NS Parihar
44. Consider the following statements in relation to plant tissue chlorenchyma:
1. It is formed by the palisade and spongy mesophyll.
2. It is a form of parenchyma which contains chloroplasts.
3. It serves to transport organic solutes made by photosynthesis.
4. It is a thin transparent layer which has chiefly a protective function.
a) 1 and 2 only b) 1, 2 and 4
c) 2 and 3 d) 1 only
45. A surge of which hormone stimulates ovulation in human females?
a) Luteinizing hormone
b) Estrogen
c) Follicle stimulating hormone
d) Progesterone
46. Which one of the following carries out the function in human beings similar to the one which Malpighian tubules perform in cockroaches and other insects?
a) Lungs b) Kidneys
c) Heart d) Reproductive organs
47. From the evolutionary point of view, which one among the following is the most primitive animal?
a) Dolphin b) Otter
c) Turtle d) Walrus
48. Oral Rehydration Therapy is recommended for patients suffering from
a) tuberculosis b) typhoid
c) tetanus d) cholera
49. Consider the following items.

- I. Proteins, carbohydrates and fats
 II. Vitamins
 III. Minerals
 IV. Water Which of the above are considered as the constituents of food?
 a) I, II and IV only b) I and III only
 c) II and III only d) I, II, III and IV
50. Which of the following statements is/are correct?
 1. Ligaments are highly flexible.
 2. Ligaments connect muscles and bones.
 3. Ligaments contain very little matrix.
 Select the correct answer using the code given below:
 Code:
 a) 1, 2 and 3 b) 1 and 3 only
 c) 2 and 3 only d) 1 only
51. The Nobel Prize in Medicine for the year 2012 has been awarded to John B. Gurdon and Shinya Yamanaka for the discovery that
 a) mature specialized cells can be reprogrammed to become immature cells
 b) stem cells can be programmed to develop individual body organs
 c) dendritic cells have a critical role in the development of adaptive immunity
 d) thymus cells have a critical role in the development of innate immunity
52. Kalhana's well-known work 'Rajatarangini' is an important source material for the study of which one of the following?
 a) Ancient Kamarupa
 b) Post-Mauryan Magadha
 c) Medieval Rajasthan
 d) Early medieval Kashmir
53. Which one among the following is not the characteristic feature of the Harappan settlement?
 a) Doorways and windows generally faced the side lanes and rarely opened onto the main streets
 b) Houses generally had separate bathing areas and toilets
 c) The citadel was walled but the lower town was not walled
 d) Drains and water chutes from the second storey were often built inside the wall
54. Between whom was the Battle of Chausa fought?
 a) Bahadur Shah of Gujarat and Humayun
 b) Humayun and Sher Khan
 c) Akbar and Rana Pratap
 d) Jehangir and Rana Amar Singh
55. Consider the following statements:
 1. The East India Company for the first time through the Charter Act of 1813, adopted a provision to spend one lakh rupees per annum for the spread of education in India.
2. The Wood's Dispatch of 1854 recommended the establishment of one university each in Calcutta, Bombay and Madras on the model of the London University.
- Which one of the statements given above is/are correct?
 a) 1 only b) 2 only
 c) Both 1 and 2 d) Neither 1 nor 2
56. Who among the following national leaders did not opt to defend the case dealing with the trial of the soldiers of the Indian National Army in 1945?
 a) Sir Tej Bahadur Sapru
 b) Bhulabhai Desai
 c) C. Rajagopalachari
 d) Jawaharlal Nehru
57. Who among the following established Fergusson College at Pune in the Year 1885?
 a) Deccan Education society
 b) Bhartiya Sewak Samaj
 c) Samaj Sewa Sangh
 d) Theosophical Society
58. The Passive Resistance Association was first formed by Mahatma Gandhi in South Africa in 1906 to organize a campaign against the introduction of
 a) Poll Tax
 b) Certificate of Registration
 c) Legislations against Indian Businessmen
 d) Legislations to disenfranchise the Indians
59. What was the effect of the Government of India Act of 1935 on the national movement?
 a) It strengthened the movement
 b) It weakened the movement by satisfying the people
 c) It weakened the movement, because separate electorate for the Muslims and Hindus created dissensions
 d) It weakened the movement, because the Act introduced federal system
60. Which one among the following was not a demand of the early congress (1885-1905)?
 a) Indianization of the superior grades of the administrative services
 b) Purna Swaraj/complete independence
 c) Abolition of the Arms Act
 d) Autonomy within the empire
61. Tipu Sultan's major interest in building ships was to
 a) fight the English at sea
 b) promote trade and commerce

- c) maintain diplomatic relations with Muscat (Oman)
 d) establish an overseas settlement at port Basra (Iraq), which would be under his control, on lines of the European companies
- 62. Why did Gandhiji go to Champaran?**
 a) To launch a Satyagraha movement
 b) To launch a non-cooperation movement
 c) To enquire into the grievances of the indigo cultivators
 d) To fight against the zamindars
- 63. Consider the following statements: (1) Gandhiji's Salt Satyagraha in 1930 was against the State monopoly of the manufacture and sale of salt. (2) The American news magazine Time' covered the progress of Gandhiji's walk to Dandi on the Salt Satyagraha. (3) The Viceroy of India at the time of the Salt Satyagraha was Lord Ripon. (4) Gandhiji did not complete the Dandi March due to illhealth. Which of the statements given above is/are correct?**
 a) 1, 2 and 3 b) 4
 c) 2 only d) 1 and 2 only
- 64. In which country did the Industrial Revolution begin in the year 1750?**
 a) France b) Italy
 c) Germany d) England
- 65. The international body which was formed in Europe (in 1889) to coordinate the efforts of socialists all over Europe was called**
 a) Social Democratic Party
 b) Commune
 c) Second International
 d) Labour P
- 66. In which country is the active volcano Mount Merapi located?**
 a) Philippines b) Japan
 c) Indonesia d) Italy
- 67. Consider the following statements:**
 1. In tropical grassland regions, rainfall mainly occurs in the short summer season with a long dry season.
 2. In Mediterranean region, the winter rainfall is caused by the passage of cyclones in the westerly wind belt which lies over this area.
Which of the statements given above is/are correct?
 a) 1 only b) 2 only
 c) Both 1 and 2 d) Neither 1 nor 2
- 68. Which one of the following statements is/are correct with regard to lines of latitude?**

1. They are concentric circles numbered from 0° to 90°.
 2. They are circles on a globe which are parallel to the Equator and which are to the North and South of the Equator. Select the correct answer using the code given below:
 a) 1 only b) 2 only
 c) Both 1 and 2 d) Neither 1 nor 2
- 69. Kiel Canal connects**
 a) Baltic Sea and North Sea
 b) Red Ocean and Mediterranean Sea
 c) Caribbean Sea and Pacific Sea
 d) Atlantic Ocean and Pacific Ocean
- 70. Consider the following statements related to stratification of atmospheric layers**
 1. All storms and cloudiness are restricted to stratosphere.
 2. Cirrus clouds are formed on the top layers of troposphere.
 3. Stratosphere is also an 'isoclinical layer'. Which of the statements given above are correct?
 a) 1 and 2 b) 1 and 3
 c) 2 and 3 d) 1, 2 and 3
- 71. The interval between two high tides is approximately**
 a) 4 hours b) 6 hours
 c) 12 hours d) 24 hours
- 72. Xerophytes thrive in**
 a) hot and arid condition
 b) cool and wet condition
 c) hot and wet condition
 d) cool and arid condition
- 73. Match list I with list II and select the correct answer using the code given below the lists:**
List I List II (Agents of erosion) (Topographical feature) (A) Running water
 1. Cirque (B) Glacier
 2. Barchan (C) Wind
 3. Rift Valley (D) Underground Water
 4. Doline 5. Gorge
Codes:
 a) A-5; B-1; C-2; D-4
 b) A-5; B-2; C-1; D-3
 c) A-4; B-2; C-1; D-5
 d) A-3; B-4; C-1; D-2
- 74. Match List I with List II and select the correct answer using the code given below the lists:**
List I List II (Desert) (Country)
 A. Kalahari → 1. Angola
 B. Namib → 2. Sudan
 C. Nubian → 3. Botswana
 D. Atacama → 4. Chile

Code:

- a) A-4; B-2; C-1; D-3
- b) A-3; B-2; C-1; D-4
- c) A-4; B-1; C-2; D-3
- d) A-3; B-1; C-2; D-4

75. Arrange the following tropical forest groups in the correct order of sequence based on area covered in India beginning from the largest covered area:

1. Moist deciduous
 2. Dry deciduous
 3. Wet evergreen
 4. Semi-evergreen
- Select the correct answer using the code given below:

Code:

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

76. Which of the following statements is/are true

1. The angle of the axis in relation to the plane in which the earth revolves around the sun is not constant.
 2. The amount of energy given off by the sun changes with the transparency of the atmosphere. Select the correct answer using the code given below.
- a) 1 only b) 2 only
 - c) Both 1 and 2 d) Neither 1 nor 2

77. **Statement I:** Oxidation in our body cells releases dangerous free radicals.

Statement II: Our body itself produces antioxidants to neutralise harmful free radicals.

- a) Both the statements are individually true and Statement II is the correct explanation of Statement I.
- b) Both the statements are individually true but Statement II is not the correct explanation of Statement I.
- c) Statement I is true but Statement II is false.
- d) Statement I is false but Statement II is true.

78. In which one of the following states is Zojila pass located?

- a) Arunachal Pradesh
- b) Jammu and Kashmir
- c) Himachal Pradesh
- d) Sikkim

79. Which one of the following is the correct sequence of passes when one travels along the Himalayas from Kashmir to Sikkim?

- a) Zozila-Nathula-Shipkila
- b) Nathula-Shipkila-Zozila
- c) Nathula-Zozila-Shipkila
- d) Zozila-Shipkila-Nathula

80. In which of the following Hills is tea cultivated?

- a) Maikala Hills b) Nallamalai Hills

- c) Nilgiri Hills d) Shivalik Hills

81. Which one of the following types of forest covers the maximum area in India?

- a) Tropical rain forest
- b) Tropical moist deciduous forest
- c) Tropical dry deciduous forest
- d) Tropical dry evergreen forest

82. Match List-I with List-II and select the correct answer using the code given below the Lists: List-I List-II (Type of vegetation) (State)

- A. Mangrove -----1 Madhya Pradesh
- B. Scrub → 2 Karnataka
- C. Teak → 3 Rajasthan
- D. Coniferous ----- 4 Arunachal Pradesh

Code: A B C D

A B C D

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

83. Which one among the following is a correct sequence of the Indian ports from north to south?

- a) Haldia – Kandla – Paradeep – Kochi
- b) Kandla – Haldia – Paradeep – Kochi
- c) Kandla – Haldia – Kochi – Paradeep
- d) Kochi – Kandla – Haldia – Paradeep

84. The Deccan Trap Formation was caused by

- a) Shield eruption b) Composite eruption
- c) Caldera eruption d) Flood basalt eruption

85. Which of the following statements is/are correct?

1. Inter-Tropical Convergence Zone is a low pressure belt which forms an important zone of contact over Northern India and Pakistan.
 2. Inter-Tropical Convergence Zone invites inflow of winds from different directions. Select the correct answer using the code given below:
- a) 1 only b) 2 only
 - c) Both 1 and 2 d) Neither 1 nor 2

86. Consider the following statements:

1. The President of India cannot appoint a person as Prime Minister if he/she is not a member of either Lok Sabha or Rajya Sabha.
2. The candidate for the office of Prime Minister must have the support of the majority members of both Lok Sabha and Rajya Sabha.

Which of the statements given above is/are correct?

- a) 1 only b) 2 only
- c) Both 1 and 2 d) Neither 1 nor 2

87. Consider the following statements:

1. Salary and allowances of the Speaker of Lok Sabha are charged on the Consolidated Fund of India.
2. In the Warrant of Precedence, the Speaker of Lok Sabha ranks higher than all the Union Cabinet

Ministers other than Prime Minister. Which of the statement given above is/are correct?

- a) 1 only b) 2 only
c) Both 1 and 2 d) Neither 1 nor 2

88. The idea of including the Emergency provisions in the Constitution of India has been borrowed from the

- a) Constitution of Canada
b) Weimar Constitution of Germany
c) Constitution of Ireland
d) Constitution of the USA

89. Right to Information in India is a

- a) Fundamental Right
b) Legal Right
c) Both Fundamental and Legal Rights
d) Neither Fundamental nor Legal Right

91. In which of the following years was the planning commission set up in India?

- a) 1947 b) 1948
c) 1949 d) 1950

92. Which one among following led to the Greececonomic crisis of 2010?

- a) Excessive borrowing from IMF
b) Sudden depreciation of Euro
c) Unrestricted spending and cheap loans
d) Outflow of foreign capital due to political unrest

93. What is Shenzhou VI, that was recently in the news?

- a) A Chinese new Intercontinental Ballistic Missile
b) A Chinese manned spacecraft to orbit the earth
c) A Taiwanese indigenously developed satellite
d) A North Korean missile fitted with nuclear warheads

94. Which one of the following is the correct sequence of the hills of Meghalaya, from east to west?

- a) Garo – Khasi – Jaintia
b) Jaintia – Khasi – Garo
c) Khasi – Jaintia – Garo
d) Jaintia – Garo – Khasi

95. Consider the following statements?

- Hariyali is a watershed development project sponsored by the Central Government.
- Hariyali also aims at enabling the urban population to conserve rain water. Which of the statements given above is/are correct?

- a) 1 only b) 2 only
c) Both 1 and 2 d) Neither 1 nor 2

96. Match List I with List II and select the correct answer using the codes given below the lists:

List I (Winner of Booker Prize) List II (Novel)

- A. Arundati Roy → 1. In a Free State

B. Kiran Desai → 2. The God of Small Things

C. Salman Rushdie → 3. The White Tiger

D. V. S. Naipal → 4. The Inheritance of Loss
Midnight's Children

Codes: A B C D

A B C D

- a) 1 5 3 2 b) 1 3 4 2
c) 2 5 3 1 d) 2 4 5 1

97. Consider the following paragraph and identify with the help of the code given below the Church referred to therein:

Considered as one of the best examples of baroque architecture in India, this World Heritage Monument is dedicated to Infant Jesus. It houses the sacred relics of St. Francis Xavier, the patron saint, who died in 1552.

Code:

- a) Santa Cruz Basilica
b) St. Francis Church
c) Church of the Holy Cross
d) Basilica of Bom Jesus

98. Ms. Reena Kaushal Dharmshaktu is the first Indian woman

- a) to reach Antarctica
b) pilot inducted in Indian Air Force
c) to ski to the South Pole
d) to win the gold medal in Asian Boxing Championship

99. Which among the following statements about the ZaranjDelaram road is/are correct?

- It was constructed by Border Road Organization in Afghanistan.
- It links India with Afghanistan via Pakistan
- The road will open up market for Indian goods in Afghanistan via Iran. Select the correct answer using the code given below

- a) III only b) I and III only
c) I and II only d) I I only

100. The World Bank was created immediately after the Second World War. Its activities are focused on the developing countries. Which among the following are the activities of the Bank?

- Human development
- Agriculture and rural development
- Environmental protection and governance
- Loans and grants to the member countries Select the correct answer using the code given below:

Code:

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



ANSWER KEY

PART -A

1.c	11.c	21.b	31.b	41.a
2.b	12.a	22.b	32.a	42.d
3.a	13.b	23.a	33.b	43.d
4.b	14.b	24.a	34.c	44.d
5.b	15.c	25.b	35.c	45.a
6.c	16.d	26.d	36.a	46.b
7.d	17.d	27.d	37.b	47.d
8.d	18.b	28.c	38.c	48.d
9.d	19.a	29.d	39.b	49.a
10.d	20.b	30.b	40.c	50.b

PART – B

1.c	21.a	41.b	61.a	81.c
2.b	22.d	42.a	62.c	82.c
3.b	23.c	43.d	63.d	83.b
4.b	24.b	44.b	64.d	84.d
5.a	25.c	45.a	65.c	85.b
6.c	26.d	46.b	66.c	86.d
7.d	27.c	47.a	67.c	87.c
8.b	28.d	48.d	68.c	88.b
9.c	29.c	49.d	69.a	89.b
10.c	30.d	50.b	70.d	90.b
11.b	31.b	51.a	71.c	91.d
12.d	32.d	52.d	72.a	92.c
13.a	33.a	53.b	73.a	93.b
14.b	34.d	54.b	74.d	94.a
15.a	35.c	55.c	75.a	95.c
16.d	36.d	56.c	76.a	96.d
17.c	37.b	57.a	77.b	97.d
18.b	38.c	58.b	78.b	98.c
19.c	39.d	59.a	79.d	99.d
20.c	40.b	60.d	80.c	100.d