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UPSC NDA Exam 2008-I General Studies
Solved Paper

PART-A

ANTONYMS

Directions (For the next 8 items) :

Each of the following eight items consists of a word or a group of words in capital letters, followed by four words or group of words. Select the word or group of words that is most nearly **OPPOSITE** in meaning to the word or the group of words in capital letters.

1. SINGULAR
(a) Nearby (b) Ordinary
(c) Wide (d) Modern
2. RECLUSE
(a) Criminal (b) Wise
(c) Gregarious (d) Timid
3. BE NO SLOUCH
(a) Inefficient (b) Honest
(c) Sainly (d) Well-known
4. OPPROBRIUM
(a) Very easy (b) Suspenseful
(c) Modern (d) Praise
5. SOLICITOUS
(a) Mild (b) Showing no concern for
(c) Grateful (d) Cheerful
6. UNDER DURESS
(a) Dry (b) Volition
(c) Affluence (d) Lack of commitment
7. LACONIC
(a) Sullen (b) Handsome
(c) Verbose (d) Sharp memory
8. SLOTHFUL
(a) Credulous (b) Highly skilled
(c) Without resources (d) Sprightly

SYNONYMS

Directions (For the next 8 items) :

Each of the following eight items consists of a word in capital letters, followed by four words or group of words. Select the word or group of words that is most **SIMILAR** in meaning to the word in capital letters.

9. DELECTATION
(a) Enjoyment (b) Envy
(c) Inspiration (d) Astuteness
10. FACTITIOUS
(a) Humorous (b) Truthful
(c) Artificial (d) Causing fatigue

11. MODICUM

- (a) Basic
(b) Pertaining to earlier times
(c) Small quantity
(d) Annoying weather

12. EXACERBATE

- (a) To make something more severe
(b) To cause artificial shortage
(c) To assume false importance
(d) To flatter

13. HIATUS

- (a) Uphill task (b) Distant place
(c) Fading memory (d) Gap

14. CONTEMPORANEOUS

- (a) Irritating
(b) Artificial
(c) A very complicated problem
(d) Happening at the same time

15. STRAFE

- (a) To punish (b) To strengthen
(c) To run away (d) To work very hard

16. EXACTION

- (a) Accuracy
(b) Left-over portion
(c) Act of demanding strictly
(d) Ignorance

SPOTTING ERRORS

Directions (For the next 7 items) :

- (i) In this Section a number of sentences are given. The sentences are underlined in three separate parts and each one is labelled (a), (b) and (c). Read each sentence to find out whether there is an error in any underlined part. No sentence has more than one error. When you find an error in any one of the underlined parts (a), (b) or (c), indicate your response on the separate Answer Sheet at the appropriate space. You may feel that there is no error in a sentence. In that case (d) will signify a 'No error' response.
- (ii) You are to indicate only one response for each item in your Answer Sheet. (If you indicate more than one response, your answer will be considered wrong.) Errors may be in grammar, word usage or idioms. There may be a word missing or there may be a word which should be removed.

(iii) You are **not** required to correct the error. You are required **only** to indicate your response on the Answer Sheet.

Examples 'P' and 'Q' have been solved for you.

P. The young child / (a) singed / (b) a very sweet song. / (c) No error / (d)

Q. We worked / (a) very hard / (b) throughout the season. / (c) No error / (d)

Explanation :

In item P, the word 'singed' is wrong. The letter under this part is (b); so (b) is the correct answer. Similarly, for item Q, (d) is the correct answer, as the sentence does not contain any error.

17. Some women admit that / (a) their principle goal in life / (b) is to marry a wealthy man. / (c) No error / (d)
18. Take two spoonful / (a) of this medicine / (b) every three hours. / (c) No error / (d)
19. The film was so disjointed / (a) that I could not tell you / (b) what the story was about. / (c) No error / (d)
20. He had been / (a) saved of death as if / (b) by divine intervention. / (c) No error / (d)
21. A cogent remark / (a) compels acceptance because / (b) of their sense and logic. / (c) No error / (d)
22. Credit cards have / (a) brought about a revolution / (b) in people's spending habits. / (c) No error / (d)
23. In financial matters / (a) it is important to / (b) get disinterested advice. / (c) No error / (d)

COMPREHENSION

Directions (For the next 10 items) :

In this Section you have **three** short passages. After each passage, you will find some questions based on the passage. First, read the passage and then answer the questions based on it. You are required to select your answers based on the contents of the passage and opinion of the author only.

Examples 'T' and 'J' are solved for you.

PASSAGE (EXAMPLE)

In our approach to life, be it pragmatic or otherwise, a basic fact that confronts us squarely and unmistakably is the desire for peace, security and happiness. Different forms of life at different levels of existence make up the teeming denizens of this earth of ours. And, no matter whether they belong to the higher groups such as human beings or to the lower groups such as animals, all beings primarily seek peace, comfort and security. Life is as dear to a mute creature as it is to a man. Even the lowliest insect strives for protection against dangers that threaten its life. Just as each one of us wants to live and not to die, so do all other creatures.

- I. The author's main point is that
 - (a) different forms of life are found on earth
 - (b) different levels of existence are possible in nature
 - (c) peace and security are the chief goals of all living beings
 - (d) even the weakest creature struggles to preserve its life

J. Which one of the following assumptions or steps is essential in developing the author's position ?

- (a) All forms of life have a single overriding goal
- (b) The will to survive of a creature is identified with a desire for peace
- (c) All beings are divided into higher and lower groups
- (d) A parallel is drawn between happiness and life, and pain and death

Explanation :

- I. The idea which represents the author's main point is "peace and security are the chief goals of all living beings", which is response (c). So (c) is the correct answer.
- J. The best assumption underlying the passage is "The will to survive of a creature is identified with a desire for peace", which is response (b). So (b) is the correct answer.

PASSAGE I

For more than 3 decades, I achieved great success as a lawyer, till a stroke left my right side totally paralysed. Despite the doctor's encouragement, I was consumed by rage and self-pity. I yearned to be active again. But what could a middle-aged cripple like me do ? One day, glancing at some paintings I owned, I thought suddenly, "What about painting" ? In fact, I had always wanted to paint, but had never had the time. Now, I had plenty of time. In the last 25 years, I have completed 300 paintings—one of them appeared on the cover of the Reader's Digest. The stroke, I realize, has helped me develop a latent talent and enjoy life.

24. Which one of the following is the correct statement ?
While in the hospital, the author was
 - (a) angry with himself for falling ill
 - (b) relieved at the successful treatment
 - (c) frustrated at his helpless situation
 - (d) resentful at being hospitalized
25. Why did the author consider himself a cripple ?
 - (a) He could not go back to work
 - (b) He could not longer use his right hand
 - (c) He could not use his time properly
 - (d) He could not lead an active life
26. Which one of the following is the correct statement ?
The paralytic stroke helped the author
 - (a) to face challenges in life successfully
 - (b) to realize his latent talent
 - (c) to learn a new hobby
 - (d) to earn more money

PASSAGE II

"Westward Ho !" we shouted as the sail of our crudely constructed raft, the *Kon-Tiki* caught the wind. The sail quickly filled and the *Kon-Tiki* began to move. The six of us were off to our great adventure. As night fell, the troughs of the sea grew gradually deeper and our first duel with the elements began. Each time we heard the sudden deafening hiss of a roller closeby and saw a white crest come towards us out of the darkness, we held on tight and waited for the worst. But invariably the *Kon-Tiki* calmly swung up her stern and rose skyward unperturbed.

27. What does the word 'duel' in the passage mean ?
 (a) A battle (b) A fortification
 (c) A two-side contest (d) Divided in two
28. Which one of the following is correct ? When big waves struck the raft the six people in it
 (a) started crying
 (b) showed courage and patience
 (c) acted in a rash manner
 (d) showed passiveness
29. How was the *Kon-Tiki's* performance on the high seas ?
 (a) Very shaky (b) Extremely poor
 (c) Stable and resolute (d) Unpredictable

PASSAGE III

- It was Sunday. As usual, there was a great rush of merry makers who had come to the river to swim or to bathe. Those who knew how to swim were jumping into the water from the high bridge or the banks of the deep river. Mohan did not know how to swim so he was merely watching others who were enjoying the fun of swimming. However on the insistence of his friend Swarn, he sat on his shoulders and both jumped into the water. Unable to carry Mohan along, Swarn left him in the flowing water. Mohan shouted for help. There were so many swimmers but nobody came to his rescue since they were indifferent to the plight of a stranger. I had just reached there, so I was in my full dress. Without undressing I jumped into the river and swam up to the drowning boy. Holding his left arm, I brought him out of water in a way that he might not hinder me from swimming safely. The boy was saved which won me great applause from the people. I had jumped into the water without any fear or hesitation as I knew the art of saving drowning persons. I had already saved a few lives from drowning.
30. Why did Swarn jump into the water carrying Mohan on his shoulders ?
 (a) Mohan had insisted to swim
 (b) He wanted to enjoy the fun of seeing a drowning man
 (c) He simply wanted to drown him in the river
 (d) Swarn felt that his friend should also enjoy the fun of swimming in the river
31. Why did Swarn leave his friend Mohan in the waters ?
 (a) Mohan wanted to learn how to swim
 (b) He wanted Mohan to learn how to swim
 (c) Because he was sure that Mohan would be able to swim across the river
 (d) Because he found it difficult to swim in the river with his friend on his shoulders
32. Although there were many swimmers, why did nobody come forward to save the drowning boy ?
 (a) They wanted some financial reward
 (b) They did not know the art of saving a drowning person
 (c) They were not experts in the art of swimming
 (d) The river was very deep and they did not want to take a risk for a stranger

33. Why did the writer jump into the river without any fear or hesitation ?
 (a) He was acquainted with Mohan
 (b) He could not bear the sight of a drowning person
 (c) He knew how to save a drowning person
 (d) He was called by the people present there

ORDERING OF WORDS IN A SENTENCE

Directions (For the next 8 items) :

In the following items, some parts of the sentence have been jumbled up. You are required to re-arrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence and mark in your Answer Sheet accordingly.

Example 'Z' has been solved for you.

Z. It is well-known that the effect / (P) is very bad / (Q) on children / (R) of cinema / (S)

Which one of the following is the correct sequence ?

- (a) P-S-R-Q (b) S-P-Q-R
 (c) S-R-P-Q (d) Q-S-R-P

Explanation :

The proper way of writing the sentence is "It is well-known that the effect of cinema on children is very bad". This is indicated by the sequence P-S-R-Q and so (a) is the correct answer.

34. There have been a day after high intensity violence left at least 50 persons / (P) sporadic clashes between / (Q) dead in the northern city of Tripoli / (R) the Lebanese army and militants / (S)
- Which one of the following is the correct sequence ?
 (a) Q-S-R-P (b) S-Q-R-P
 (c) Q-S-P-R (d) S-Q-P-R

35. Although of non-owner managers came to be widely appreciated / (P) political freedom from the British masters / (Q) came to us in 1947 it was not until / (R) well into the following decade that the role / (S)
- Which one of the following is the correct sequence ?
 (a) S-P-Q-R (b) Q-R-S-P
 (c) S-R-Q-P (d) Q-P-S-R

36. Conditions for marketing in the US and Canada / (P) Mexico as a manufacturing base / (Q) that Indian companies aspiring to tap / (R) would have to fulfil include the complex rules of origin / (S)
- Which one of the following is the correct sequence ?
 (a) R-Q-P-S (b) S-P-Q-R
 (c) R-P-Q-S (d) S-Q-P-R

37. Aside of the same three-storey building in the military academy / (P) from eating in the same dining hall / (Q) half to the north of the entrance half to the south / (R) the 206 troops live side by side on the ground floor / (S)
- Which one of the following is the correct sequence ?
 (a) R-P-S-Q (b) Q-S-P-R
 (c) R-S-P-Q (d) Q-P-S-R

38. For fear that may or may not affect them perhaps at first / (P) of upsetting young people / (Q) only healthy people over 80 should be sequenced / (R) about their genetic propensities / (S)

Which one of the following is the correct sequence ?

- (a) S-Q-P-R (b) Q-S-R-P
(c) S-Q-R-P (d) Q-S-P-R

39. While traditional under made-up Americans aliases pretending familiarity with a culture and climate / (P) India sleeps a dynamic young cohort of highly skilled articulate professionals / (Q) they've never actually experienced earning salaries that were undreamt of by their elders / (R) works through the night in the call centres functioning on US time / (S)

Which one of the following is the correct sequence ?

- (a) P-R-Q-S (b) Q-S-P-R
(c) P-S-Q-R (d) Q-R-P-S

40. IITs are of great self-confidence and competitive advantage for India today / (P) in science and technology which has become a source / (Q) as they epitomize his creation of an infrastructure for excellence / (R) perhaps Jawaharlal Nehru's most consequential legacy / (S)

Which one of the following is the correct sequence ?

- (a) Q-P-S-R (b) S-R-Q-P
(c) Q-R-S-P (d) S-P-Q-R

41. As India from nearly 250 years of the British rule in India / (P) first major struggle for independence from the British rule / (Q) celebrates the Diamond Jubilee of its independence / (R) it also observes simultaneously the 150th Anniversary of the Great Indian Mutiny / (S)

Which one of the following is the correct sequence ?

- (a) R-S-P-Q (b) Q-P-S-R
(c) R-P-S-Q (d) Q-S-P-R

ORDERING OF SENTENCES

Directions (For the next 9 items) :

In the following items, each passage consists of six sentences. The first sentence is (S_1) and the sixth sentence (S_6) are given in the beginning. The middle four sentences in each have been removed and jumbled up. These are labelled P, Q, R and S. You are required to find out the correct sequence of the four sentences and mark accordingly on the Answer Sheet.

Example 'X' has been solved for you.

- X. S_1 : There was a boy named Jack.
 S_6 : At last she turned him out of the house.
 P : So the mother asked him to find work.
 Q : They were very poor.
 R : He lived with his mother.
 S : But Jack refused to work.

Which one of the following is the correct sequence ?

- (a) R-Q-P-S (b) S-P-Q-R
(c) R-P-Q-S (d) S-Q-P-R

Explanation : The correct sequence in this example is R-Q-P-S which is marked by (a). Therefore, (a) is the correct answer.

42. S_1 : Radio and television are the two most accessible media.

S_6 : Many of them are led to buy and use cosmetics and edibles they do not need.

P : Their taste and choice have been affected by commercial advertisements that come with sponsored programmes.

Q : The most vulnerable to the influence of this wave are children.

R : This is mainly because of the advertisement wave it has created.

S : Of the two, television has greater impact.

Which one of the following is the proper sequence ?

- (a) S-P-Q-R (b) Q-R-S-P
(c) S-R-Q-P (d) Q-P-S-R

43. S_1 : Some experts believe that we must change our criminal codes to conform to new concepts of punishment.

S_6 : The new scientific approach is that punishment should fit the man.

P : The record reveals that one is a drunkard who beats his wife while the other has a clean record.

Q : Assume that two persons are charged with the same offence : assault with a bat.

R : Should both of them receive equal punishment if their backgrounds differ ?

S : The idea of making punishment fit the crime is the old eye-for-an-eye concept.

Which one of the following is the proper sequence ?

- (a) S-R-P-Q (b) Q-P-R-S
(c) S-P-R-Q (d) Q-R-P-S

44. S_1 : The main lasting impression of the factory is its size.

S_6 : The noise is made by the fans that cool the piles themselves.

P : The pile buildings themselves stand on a concrete mat ten feet thick.

Q : It spreads over nearly 400 acres.

R : From the building comes a gentle hum.

S : The tower began at one of them.

Which one of the following is the proper sequence ?

- (a) Q-P-S-R (b) R-S-P-Q
(c) Q-S-P-R (d) R-P-S-Q

45. S_1 : Entertainment televised into people's homes has special difficulties to overcome.

S_6 : The size of the screen also alters the nature of the presentation.

P : There is no mass excitement, no real tension for the curtain to rise.

Q : The show must conquer the dispersed, unkeyed attention of people at home.

R : There is no means of conditioning to make the audience receptive, as they are in a theatre or a cinema.

S : It is, of course, quite capable of doing this, but the techniques of writing and production must take account of their limitations.

Which one of the following is the proper sequence ?

- (a) S-Q-P-R (b) R-P-Q-S
(c) S-P-Q-R (d) R-Q-P-S

46. S_1 : Ancient India was a rich and prosperous country.
 S_6 : In fact, material wealth and social through grew side by side.

P : Education and culture were equally well-developed.

Q : The standard of living of the people was very high.

R : Development was not confined to economy alone.

S : Travellers from foreign lands reported of general comforts prevailing here.

Which one of the following is the proper sequence ?

- (a) R-P-Q-S (b) Q-S-R-P
 (c) R-S-Q-P (d) Q-P-R-S

47. S_1 : The removal of corruption prevalent in our country is a difficult problem.

S_6 : Corruption can be removed only when we improve our character.

P : None is ready and willing to perform this Herculean task.

Q : It is difficult to prove that Mr. X is corrupt.

R : The legal system of the country provides no solution to it.

S : The investigating officer is himself corrupt and allows the man to remain unpunished.

Which one of the following is the proper sequence ?

- (a) Q-R-P-S (b) P-S-Q-R
 (c) Q-S-P-R (d) P-R-Q-S

48. S_1 : A boy used to play pranks with his mother by hiding himself in a wooden box.

S_6 : Thus the box he used to hide in turned out to be his coffin.

P : The latch accidentally got locked and the boy, unable to open it, died of asphyxiation.

Q : One day the playful boy, studying in the fifth standard, refused to go to school.

R : In a bid to surprise his mother he got into the empty wooden box and pulled down the lid.

S : His mother was so upset by this that she locked him up in the house and went to work.

Which one of the following is the proper sequence ?

- (a) Q-S-R-P (b) S-Q-R-P
 (c) Q-S-P-R (d) S-Q-P-R

49. S_1 : Abha, along with Gandhi and Patel, hesitated to interrupt.

S_6 : He leaned his forearms on their shoulders and moved forward.

P : Abha, the young wife of Kanu Gandhi, grandson of the Mahatma's cousin, and Manu the grand daughter of another cousin, accompanied him.

Q : Finally, therefore, she picked up the Mahatma's nickel-plated watch and showed it to him.

R : "I must go away", Gandhi remarked, and so saying he rose, went to the adjoining both-room and then started towards the prayer ground.

S : But she knew Gandhi's attachment to punctuality.

Which one of the following is the proper sequence ?

- (a) S-P-R-Q (b) R-Q-S-P
 (c) S-Q-R-P (d) R-P-S-Q

50. S_1 : Soon after he returned to the civilian life, Kennedy wrote a short essay.

S_6 : Such a recurrence would mean increased taxation which, in its turn, would hamper the functioning of free enterprise and affect the chances of full employment.

P : He had his own logic for it.

Q : He advanced an argument that after the war, efforts should be made to prevent the recurrence of an arms-race.

R : In this essay Kennedy tried to draw the lessons from the ghastly experiences of the war.

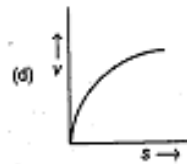
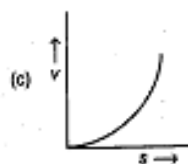
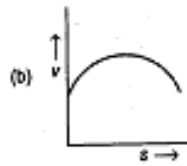
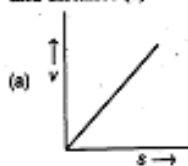
S : It was published in February 1945, aptly titled : "Let's try an Experiment in Peace."

Which one of the following is the proper sequence ?

- (a) P-Q-R-S (b) S-R-Q-P
 (c) P-R-Q-S (d) S-Q-R-P

PART-B

51. A body starting from the rest moves along a straight line with constant acceleration. Which one of the following graphs represents the variation of speed (v) and distance (s) ?



52. If the length of second's pendulum is increased by 2%, how many seconds will it lose per day ?

- (a) 3600 s (b) 3456 s
 (c) 1728 s (d) 864 s

53. A rubber ball dropped from 24 m height loses its kinetic energy by 25%. What is the height to which it rebounds ?

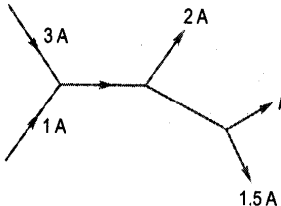
- (a) 6 m (b) 12 m (c) 18 m (d) 24 m

54. A car accelerates from rest with acceleration 1.2 m/s^2 . A bus moves with constant speed of 12 m/s in a parallel lane. How long does the car take from its start to meet the bus ?

- (a) 17 s (b) 8 s
 (c) 20 s (d) 12 s

55. If the current is flowing through a 10 ohm resistor, then in which one of the following cases maximum heat will be generated ?

- (a) 5 A in 2 min (b) 4 A in 3 min
 (c) 3 A in 6 min (d) 2 A in 12 min

56. Why do two ice blocks join to form one block when pressed together?
 (a) Melting point of ice is lowered with increase in pressure
 (b) Melting point of ice increases with increase in pressure
 (c) Melting point of ice remains unchanged with increase in pressure
 (d) Melting point of ice is 0°C
57. The rating of an electric lamp is 110 V. To use it on 220 V, one will have to use which one of the following?
 (a) Transistor (b) Resistor
 (c) Transformer (d) Generator
58. Consider the following statements:
 1. The focal length of the objective of a microscope is less than the focal length of the eyepiece.
 2. The minimum distance between an object and its real image formed by a convex lens of focal length f is equal to $4f$.
 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
59. A man standing between two parallel hills fires a gun and hears two echoes, one 2.5 s and the other 3.5 s after the firing. If the velocity of sound is 330 ms^{-1} , how long will it take him to hear the third echo?
 (a) 4 s (b) 5 s (c) 6 s (d) 8 s
60. A bar magnet is placed inside a uniform magnetic field. What does it experience?
 (a) A force
 (b) A torque
 (c) Both a force and a torque
 (d) Neither a force nor a torque
61. A far-sighted person has a near point at 100 cm. What must be the power of the correcting lens?
 (a) -0.8 D (b) -3.0 D
 (c) $+0.8 \text{ D}$ (d) $+3.0 \text{ D}$
62. Evening Sun is not as hot as the mid day sun. What is the reason?
 (a) In the evening, radiations travel slowly
 (b) In the evening, the temperature of the sun decreases
 (c) Ozone in atmosphere absorbs more light in the evening
 (d) In the evening, radiations travel larger distance through atmosphere
63. 
- The figure shows current in a part of electrical network. What is the value of current I ?
 (a) 0.2 A (b) 0.1 A
 (c) 0.3 A (d) 0.5 A
64. Some common mediums in which speed of sound waves is measured are mentioned below:
 1. Air 2. Steel
 3. Copper 4. Water
 What is the correct increasing order of the speed of sound?
 (a) $1 < 4 < 2 < 3$ (b) $4 < 1 < 2 < 3$
 (c) $1 < 4 < 3 < 2$ (d) $4 < 1 < 3 < 2$
65. In a simple microscope, the lens is held at a distance d from the eye and the image is formed at the least distance (D) of the distinct vision from the eye. What is the magnifying power of the microscope?
 (a) D/f (b) $1 + (D/f)$
 (c) $1 + \{(D - d)/f\}$ (d) $1 + \{(D + d)/f\}$
 where f is the focal length of the lens.
66. When water is heated from 0°C to 20°C , how does its volume change?
 (a) It shall increase
 (b) It shall decrease
 (c) It shall first increase and then decrease
 (d) It shall first decrease and then increase
67. 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
68. A wire has a resistance of 32Ω . It is melted and drawn into a wire of half of its original length. What is the resistance of the new wire?
 (a) 32Ω (b) 16Ω
 (c) 8Ω (d) 4Ω
69. Consider the following statements:
 An external pressure p_0 is applied to the surface of a liquid in a container. Then,
 1. the pressure on all side-walls increases by p_0 .
 2. the pressure on the bottom wall increases by p_0 .
 3. the pressure at all points inside the liquid increases by p_0 .
 Which of the statements given above are correct?
 (a) 1, 2 and 3 (b) 1 and 2 only
 (c) 1 and 3 only (d) 2 and 3 only
70. Let us assume that air density (0.0013 g/cm^3) remains constant as we go up in the atmosphere. In such a hypothetical case, what is the approximate height of atmosphere to have 1 atmospheric pressure?
 (a) 4 km (b) 8 km
 (c) 40 km (d) 80 km
71. Which one among the following radiations carries maximum energy?
 (a) Ultraviolet rays (b) Gamma-rays
 (c) X-rays (d) Infra-red rays
72. The neutron, proton, electron and alpha particle are moving with equal kinetic energies. How can the particles be arranged in the increasing order of their velocities?

- (a) Alpha particle-neutron-proton-electron
 (b) Proton-electron-neutron-alpha particle
 (c) Electron-proton-neutron-alpha particle
 (d) Neutron-proton-electron-alpha particle
73. Which one of the following is a good conductor of electricity ?
 (a) Shellac (b) Human body
 (c) Glass (d) Ebonite
74. Which one of the following chemicals is used in foam fire extinguishers ?
 (a) Aluminium sulphate (b) Copper sulphate
 (c) Cobalt sulphate (d) Nickel sulphate
75. Talc contains which of the following ?
 (a) Zinc, calcium and oxygen
 (b) Calcium, oxygen and tin
 (c) Magnesium, silicon and oxygen
 (d) Zinc, tin and sulphur
76. Which one of the following mixtures is homogeneous ?
 (a) Starch and sugar
 (b) Methanol and water
 (c) Graphite and charcoal
 (d) Calcium carbonate and calcium bicarbonate
77. Which one of the following laws explains the formation of carbon monoxide and carbon dioxide from carbon and oxygen ?
 (a) Law of conservation of mass
 (b) Law of multiple proportions
 (c) Law of reciprocal proportions
 (d) Law of definite proportions
78. Which one of the following is the most important characteristic of water to act as a good solvent ?
 (a) Purity of water
 (b) Ionizing power of water
 (c) Polar nature of water
 (d) Dissolving power of water
79. When iron is left exposed in open air, it gets rusted. Which constituent(s) of air is/are responsible for rusting iron ?
 1. Oxygen gas present in air
 2. Moisture present in air
 3. Carbon dioxide gas present in air
 Select the correct answer using the code given below :
 (a) 1 only (b) 2 only
 (c) 1 and 2 (d) 2 and 3
80. Which one of the following elements cannot displace hydrogen gas from a dilute acid ?
 (a) Zinc (b) Copper
 (c) Magnesium (d) Iron
81. When an alkali-metal reacts with water, which one of the following gases is produced ?
 (a) Hydrogen (b) Oxygen
 (c) Hydrogen peroxide (d) Ozone
82. Which of the following salts are insoluble in water ?
 (a) Chlorides of Fe and Mn
 (b) Nitrates of Ag and Pb
 (c) Carbonates of Pb and Cu
 (d) Phosphates of Na and NH_4
83. What is the composition of nitrolim—a chemical fertilizer ?
 (a) Nitrogen and limestone
 (b) Calcium carbide and nitrogen
 (c) Calcium carbide and carbon
 (d) None of the above
84. Which one of the following glasses is used in bullet proof screens ?
 (a) Soda glass (b) Pyrex glass
 (c) Jena glass (d) Reinforced glass
85. Which substance is used to retard the setting action of cement ?
 (a) CaO (b) Al_2O_3
 (c) $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ (d) $\text{Na}_2\text{O} + \text{K}_2\text{O}$
86. What is a mixture of potassium nitrate, powdered charcoal and sulphur called ?
 (a) Glass (b) Cement
 (c) Paint (d) Gun powder
87. In which one of the following is the valence electronic configuration, ns^2np^3 found ?
 (a) Carbon (b) Oxygen
 (c) Nitrogen (d) Argon
88. The molecular weight and equivalent weight of which one of the following is the same ?
 (a) H_2SO_4 (b) KMnO_4
 (c) $\text{H}_2\text{C}_2\text{O}_4$ (d) NaOH
89. Who of the following is a contemporary of Gautama Buddha ?
 (a) Ashvaghosa (b) Nagarjuna
 (c) Parsvanath (d) Vardhmana Mahavira
90. Which one of the following dynasties built the Khajuraho temples ?
 (a) Chandellas (b) Chauhans
 (c) Paramaras (d) Tomars
91. Between whom was the Battle of Khanwa (1527) fought ?
 (a) Ibrahim Lodi and Rana Sanga
 (b) Babur and Rana Sanga
 (c) Humayun and Sher Khan
 (d) Humayun and Nusrat Shah
92. Which Sultan declared himself as Sikandar-i Sani, the Second Alexander ?
 (a) Balban (b) Kaiqubad
 (c) Iltutmish (d) Alauddin Khalji
93. Other than Annie Besant, who among the following also launched a Home Rule Movement in India ?
 (a) Aurobindo Ghosh
 (b) Bal Gangadhar Tilak
 (c) Gopal Krishna Gokhale
 (d) Moti Lal Nehru
94. Who prescribed the separate electorates for India on the basis of the Communal Award in August, 1932 ?
 (a) Lord Irwin (b) Ramsay MacDonald
 (c) Lord Linlithgo (d) Winston Churchill
95. Which one of the following movements started from Dandi ?
 (a) Swadeshi Movement
 (b) Non-cooperation Movement
 (c) Civil Disobedience Movement
 (d) Quit India Movement

96. Which one of the following political theories advocates the withering away of the State ?
 (a) Capitalism (b) Fascism
 (c) Marxism (d) Democratic Socialism
97. India is not a member of which one of the following ?
 (a) Commonwealth of Independent States
 (b) South Asian Association for Regional Cooperation
 (c) South Asian Free Trade Agreement
 (d) World Trade Organization
98. Consider the following statements :
 1. Panchsheel was signed between People's Republic of China and India after the Sino-Indian War in 1962.
 2. India and China supporting each other in international fora is one of the principles of Panchsheel.
 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
99. In which of the following years was the Planning Commission set up in India ?
 (a) 1947 (b) 1948
 (c) 1949 (d) 1950
100. Which one of the following Amendments of the Constitution of India deals with the issue of strengthening of the Panchayati Raj ?
 (a) 42nd (b) 44th
 (c) 73rd (d) 86th
101. Where is the headquarters of the International Bank of Reconstruction and Development located ?
 (a) Geneva (b) Washington DC
 (c) London (d) Paris
102. 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 statements given above is/are correct ?
 (a) 1 only (b) 2 only
 (c) Both 1 and 2 (d) Neither 1 nor 2
103. Who among the following annulled the Partition of Bengal ?
 (a) Lord Chelmsford (b) Lord Curzon
 (c) Lord Minto (d) Lord Hardinge
104. With which one of the following is the 'Tennis court oath' associated ?
 (a) English Revolution (b) American Revolution
 (c) French Revolution (d) Russian Revolution
105. By virtue of which Act, dyarchy was introduced in India ?
 (a) Government of India Act, 1909
 (b) Government of India Act, 1919
 (c) Government of India Act, 1935
 (d) Government of India Act, 1947
106. Who was the first Foreign Minister of free India ?
 (a) Jawahar Lal Nehru (b) Gulzari Lal Nanda
 (c) Lal Bahadur Shastri (d) John Mathai
107. 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
108. Who is the ex-officio Chairman of the Planning Commission of India ?
 (a) Vice-President of India
 (b) The Prime Minister of India
 (c) The Finance Minister of India
 (d) The Law Minister of India
109. Consider the following statements :
 1. Hariyali is a watershed development project sponsored by the Central Government.
 2. 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
110. The Nuclear Power Station Rawatbhata is in which State ?
 (a) Maharashtra (b) Uttar Pradesh
 (c) Rajasthan (d) Tamil Nadu
111. What is the name given to an almost circular coral reef inside which there is a lagoon ?
 (a) Fringing reef (b) Barrier reef
 (c) Atoll (d) Isthmus
112. Mahatma Gandhi Hydroelectric Project is on which river ?
 (a) Godavari (b) Sharavati
 (c) Cauvery (d) Krishna
113. For which one of the following is Lamba in Gujarat, famous ?
 (a) Cultivation of oil yielding plants
 (b) Wind power plant
 (c) Oil refinery
 (d) Uranium enrichment plant
114. Consider the following statements :
 1. Kandla Port is situated at the head of Gulf of Khamhat.
 2. Paradeep Port is situated in the Mahanadi Delta.
 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
115. Match List-I with List-II and select the correct answer using the codes given below the lists :
- | | List-I
(Coal fields of India) | | List-II
(State) |
|----|----------------------------------|----|--------------------|
| A. | Jharia | 1. | Tamil Nadu |
| B. | Raniganj | 2. | Orissa |
| C. | Talcher | 3. | Jharkhand |
| D. | Korba | 4. | West Bengal |
| | | 5. | Chhattisgarh |

Codes :

- | | | | |
|-------|---|---|---|
| A | B | C | D |
| (a) 3 | 4 | 2 | 5 |
| (b) 2 | 5 | 1 | 4 |
| (c) 3 | 5 | 2 | 4 |
| (d) 2 | 4 | 1 | 5 |

116. Consider the following statements :

- Coal is a sedimentary rock.
- Basalt is an igneous rock.

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 |

117. The National Highway No. 7 connects which of the following ?

- Mumbai with Varanasi
- Mumbai with Bhubaneshwar
- Delhi with Kanyakumari
- Varanasi with Kanyakumari

118. Port Blair-the capital of Andaman and Nicobar Islands, is located in which one of the following islands ?

- North Andaman
- Little Andaman
- Middle Andaman
- South Andaman

119. In which one of the following regions are the Andes mountains located ?

- | | |
|------------------|-------------------|
| (a) East Europe | (b) West Europe |
| (c) South Africa | (d) South America |

120. Which one of the following soils is most suitable for cotton cultivation ?

- | | |
|----------------|-------------------|
| (a) Red soil | (b) Black soil |
| (c) Loamy soil | (d) Laterite soil |

121. Among the following, which State has highest level of literacy ?

- | | |
|-------------|-----------------|
| (a) Mizoram | (b) West Bengal |
| (c) Gujarat | (d) Punjab |

122. What are the Westerlies ?

- | | |
|---------------------|--------------------|
| (a) Permanent winds | (b) Seasonal winds |
| (c) Local winds | (d) Variable winds |

123. El Nino current appears along the coast of which one of the following ?

- | | |
|------------|-----------------------|
| (a) Brazil | (b) Peru |
| (c) Alaska | (d) Western Australia |

124. Which among the following is the major item of export from Paradeep Port ?

- | | |
|----------|--------------|
| (a) Rice | (b) Tea |
| (c) Fish | (d) Iron ore |

125. Indian Standard Time refers to the local time of which one of the following places in India ?

- | | |
|---------------|-------------|
| (a) Allahabad | (b) Bhopal |
| (c) Delhi | (d) Lucknow |

126. Which one of the following regions on the surface of Earth has Horse Latitudes ?

- Equatorial low pressure belt
- Sub-tropical high pressure belt
- Sub-polar low pressure belt
- Polar high pressure belt

127. Consider the following rivers :

- Betwa
- Kosi
- Gandak

Which of the above join(s) Yamuna river ?

- | | |
|-------------|-------------|
| (a) 1 only | (b) 1 and 2 |
| (c) 1 and 3 | (d) 2 and 3 |

128. Which one of the following cell organelles is responsible for cellular respiration ?

- Endoplasmic reticulum
- Golgi body
- Lysosome
- Mitochondrion

129. In which one of the following animals, is skin a respiratory organ ?

- | | |
|---------------|-----------|
| (a) Cockroach | (b) Frog |
| (c) Shark | (d) Whale |

130. Consider the following statements :

In fern plants,

- vascular system is absent.
- reproductive organs are multi-cellular.

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 |

131. Consider the following plants :

- Jasmine
- Sugarcane
- Turmeric

Which of the above is/are propagated by vegetative method ?

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

132. In human body which one among the following is the largest in size ?

- | | |
|--------------|------------|
| (a) Thyroid | (b) Liver |
| (c) Pancreas | (d) Spleen |

133. Which one of the following glands in human body enlarges due to goiter ?

- | | |
|--------------------|---------------------|
| (a) Adrenal cortex | (b) Adrenal medulla |
| (c) Pituitary | (d) Thyroid |

134. From the evolutionary point of view, which one among the following is the most primitive animal ?

- | | |
|-------------|------------|
| (a) Dolphin | (b) Otter |
| (c) Turtle | (d) Walrus |

135. Which one of the following insects spreads Kala-azar ?

- | | |
|---------------|----------------|
| (a) Fruit fly | (b) Tsetse fly |
| (c) Sand fly | (d) Mosquito |

136. Which one of the following diseases is caused by bacteria ?

- | | |
|-----------------|-------------------|
| (a) Chicken Pox | (b) Poliomyelitis |
| (c) Influenza | (d) Tuberculosis |

137. Which one among the following is blind ?

- | | |
|---------------------|----------------|
| (a) Bat | (b) Echidna |
| (c) Flying squirrel | (d) Slow Loris |

138. With which one of the following countries is "Orange Revolution" associated ?

- | | |
|------------|-------------|
| (a) Brazil | (b) Sudan |
| (c) Turkey | (d) Ukraine |

139. Which one of the following has recently made it to the Guinness Book of World Records for being the world's largest Hindu temple complex ?

- Sri Venkateswara Temple Complex, Tirupati
- The ISKCON Temple Complex, New Delhi
- Swaminarayan Akshardham Temple Complex, New Delhi
- Lingaraja Temple Complex, Bhubaneshwar

140. Where is the Counterinsurgency and Jungle Warfare School (CLJWS), a training institution of the Indian Army specializing in unconventional warfare, specially guerilla warfare, located ?
 (a) Vairengte, Mizoram (b) Kirkee, Pune
 (c) Raiwala, Dehradun (d) Dighi Hills, Pune
141. How is Ban-ki-Moon known as ?
 (a) President of South Korea
 (b) Head of World Bank
 (c) A famous scientist of Genetic Engineering
 (d) Secretary General of UN
142. Who among the following has been declared as best footballer for the year 2007 by FIFA ?
 (a) Ronaldo (b) Kaka
 (c) Ronaldinho (d) Roberto Carlos
143. In the year 2007, in which one of the following places was the "UN Framework Convention on Climate Change" held ?
 (a) Bali (b) Guam
 (c) Hawaii (d) Seychelles
144. Recently, the Inter-Governmental Panel on Climate Change shared the Nobel Prize with who of the following ?
 (a) Al Gore (b) Ban-ki-Moon
 (c) Bill Clinton (d) John Howard
145. Recently, in which one of the following countries did a large number of monks make protest marches against the government ?
 (a) Cambodia (b) Japan
 (c) Myanmar (d) Vietnam
146. In which city is the Flushing Meadow. Corona Park—the venue of US Open Tennis Tournament located ?
 (a) Chicago (b) New York
 (c) Washington DC (d) Los Angeles
147. Which country won the 2006 FIFA Cup (World Football Cup) ?
 (a) France (b) Brazil
 (c) Italy (d) Germany
- Directions :**
 Each of the next **THREE** items consists of two statements, one labelled as the 'Assertion (A)' and the other as 'Reason (R)'. You are to examine these two statements carefully and select the answer to these items using the codes given below :
- Codes :**
 (a) Both A and R are individually true and R is the correct explanation of A
 (b) Both A and R are individually true but R is not the correct explanation of A
 (c) A is true, but R is false
 (d) A is false, but R is true
148. **Assertion (A) :** When water flows in a uniform horizontal pipe, there is a fall in pressure of water along the pipe.
Reason (R) : Force is required to maintain the motion of the liquid against friction.
149. **Assertion (A) :** If the filament of a light bulb is not uniform, its life is shortened.
Reason (R) : Resistance of glowing light bulb is less than that of bulb at room temperature.
150. **Assertion (A) :** The cotton industry in India suffered a major recession soon after the independence.
Reason (R) : Most of the cotton mills had gone to West Pakistan, India retaining the cotton growing areas.

Answers : General Studies

1	(b)	51	(c)	101	(b)
2	(c)	52	(d)	102	(c)
3	(a)	53	(c)	103	(d)
4	(d)	54	(c)	104	(c)
5	(b)	55	(c)	105	(b)
6	(b)	56	(a)	106	(a)
7	(c)	57	(b)	107	(a)
8	(d)	58	(c)	108	(b)
9	(a)	59	(c)	109	(c)
10	(c)	60	(a)	110	(c)
11	(c)	61	(d)	111	(c)
12	(a)	62	(d)	112	(b)
13	(d)	63	(d)	113	(b)
14	(d)	64	(c)	114	(b)
15	(a)	65	(b)	115	(a)
16	(c)	66	(d)	116	(c)
17	(b)	67	(c)	117	(d)
18	(a)	68	(c)	118	(c)
19	(b)	69	(c)	119	(d)
20	(b)	70	(a)	120	(b)
21	(c)	71	(b)	121	(a)
22	(d)	72	(a)	122	(a)
23	(d)	73	(b)	123	(b)
24	(c)	74	(a)	124	(d)
25	(d)	75	(c)	125	(a)
26	(b)	76	(b)	126	(b)
27	(a)	77	(b)	127	(a)
28	(d)	78	(c)	128	(d)
29	(c)	79	(d)	129	(b)
30	(d)	80	(b)	130	(b)
31	(d)	81	(a)	131	(c)
32	(d)	82	(d)	132	(b)
33	(c)	83	(d)	133	(d)
34	(c)	84	(d)	134	(c)
35	(b)	85	(c)	135	(c)
36	(a)	86	(d)	136	(d)
37	(d)	87	(c)	137	(a)
38	(d)	88	(d)	138	(c)

39	(b)	89	(d)	139	(c)
40	(b)	90	(a)	140	(a)
41	(c)	91	(b)	141	(d)
42	(c)	92	(d)	142	(a)
43	(b)	93	(b)	143	(a)
44	(a)	94	(b)	144	(a)
45	(a)	95	(c)	145	(c)
46	(b)	96	(b)	146	(c)
47	(d)	97	(a)	147	(c)
48	(a)	98	(b)	148	(d)
49	(c)	99	(d)	149	(d)
50	(b)	100	(c)	150	(a)