

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

T.B.C. : B-QAPY-N-FJM

Test Booklet Series

Serial

274993



TEST BOOKLET
GENERAL ABILITY TEST

Time Allowed : Two Hours

Maximum Marks : 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES *NOT* HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
 2. Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series Code A, B, C or D carefully and without any omission or discrepancy at the appropriate places in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.
 3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside.
DO NOT write *anything else* on the Test Booklet.
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4. This Test Booklet contains 120 items (questions), 60 in PART – A and 60 in PART – B. Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **ONLY ONE** response for each item.
 5. You have to mark all your responses **ONLY** on the separate Answer Sheet provided. See directions in the Answer Sheet.
 6. All items carry equal marks.
 7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
 8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the Invigilator *only the Answer Sheet*. You are permitted to take away with you the Test Booklet.
 9. Sheets for rough work are appended in the Test Booklet at the end.
 10. **Penalty for wrong answers :**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
 - (i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.
 - (ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
 - (iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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PART - A
Spotting Errors

Directions : In this section you have to spot errors in sentences. Read each sentence to find out whether there is an error in any underlined part. Errors, if any, are only in the underlined parts. No sentence has more than one error. Letters (a), (b) and (c) have been placed beneath the underlined parts for their identification. When you find an error in any one of the underlined parts, indicate your response on the separate Answer Sheet in the relevant column. You may feel that there is no error in the sentence. In that case, letter (d) will signify a 'No error' response.

1. Arun explained me his problem and he asked me to help him. No error.
(a) (b) (c) (d)
2. My father knows the most of the engineers working at BHEL. No error.
(a) (b) (c) (d)
3. Neroli oil is an essential oil obtained from the flowers of orange trees. No error.
(a) (b) (c) (d)
4. Neurotoxin attacks the nervous system and damage it. No error.
(a) (b) (c) (d)
5. I went to see the coal mines in Asansol in last summer. No error.
(a) (b) (c) (d)
6. All his children are knowing at least one foreign language. No error.
(a) (b) (c) (d)
7. We don't discuss about the case in his presence. No error.
(a) (b) (c) (d)
8. Who do you think that did it ? No error.
(a) (b) (c) (d)
9. He didn't know whether he will enjoy himself. No error.
(a) (b) (c) (d)
10. What are their reasons to say it ? No error.
(a) (b) (c) (d)
11. I was filled with admiration by watching him. No error.
(a) (b) (c) (d)
12. He has only coffee in breakfast. No error.
(a) (b) (c) (d)
13. You had better worked harder if you want to get a promotion. No error.
(a) (b) (c) (d)
14. Man does not live by bread alone. No error.
(a) (b) (c) (d)

Sentence Improvement

Directions : Look at the underlined part of each sentence. Below each sentence are given three possible substitutions for the underlined part. If one of them (a), (b) or (c) is better than the underlined part, indicate your response on the Answer Sheet against the corresponding letter. If none of the substitutions improves the sentence, indicate (d) as your response on the Answer Sheet.

15. He has gone to Kolkata last week.
- (a) went to Kolkata last week
 - (b) has left for Kolkata last week
 - (c) has proceeded to Kolkata last week
 - (d) No improvement
16. If he would receive my letter in time, he would be able to change his plans.
- (a) If he will receive my letter in time
 - (b) If he receives my letter in time
 - (c) Since he would receive my letter in time
 - (d) No improvement
17. I have been ringing the doorbell five times but no one has answered.
- (a) I had been ringing the doorbell
 - (b) I am ringing the doorbell
 - (c) I have rung the doorbell
 - (d) No improvement
18. Raman is having a good ear for music.
- (a) Raman has a good ear
 - (b) Raman is owning a good ear
 - (c) Raman is possessing a good ear
 - (d) No improvement
19. The new medicine made the children get better.
- (a) the children to get better
 - (b) the children getting better
 - (c) the children got better
 - (d) No improvement
20. When he will arrive, the band will play the National Anthem.
- (a) After he will arrive
 - (b) If he would arrive
 - (c) When he arrives
 - (d) No improvement
21. I didn't do it with the hopes to get something.
- (a) with the hope to get something
 - (b) with the hope of getting something
 - (c) with the hope for getting something
 - (d) No improvement
22. This inheritance of ours is something to be proud of.
- (a) This inheritance of our
 - (b) Our this inheritance
 - (c) This inherited of ours
 - (d) No improvement

23. He will break up the marriage unless the promised dowry is paid to him before the ceremony starts.
- (a) The marriage will break down.
 - (b) The marriage will be broken up by him
 - (c) He will break off the marriage
 - (d) No improvement
24. The cell usually comprises of two distinct forms of protoplasm.
- (a) comprised of
 - (b) comprises
 - (c) comprise of
 - (d) No improvement
25. The Planning Commission is drawing up a scheme for involve the scientists of the country.
- (a) for involvement
 - (b) in involvement of
 - (c) to involve
 - (d) No improvement
26. A Magnesium-Aluminium alloy has been developing for covering Uranium fuel elements in certain types of nuclear reactors.
- (a) have been developed
 - (b) is being develop
 - (c) has been developed
 - (d) No improvement
27. TU-124 aircraft consumed excessive fuel comparing to modern fuel-efficient jets.
- (a) compare with
 - (b) compared to
 - (c) compared for
 - (d) No improvement
28. The heads of safety matches usually contain some Sulphur or Charcoal.
- (a) head of safety matches
 - (b) heads of safety match
 - (c) head of safety match
 - (d) No improvement

Synonyms

Directions : Each question in this section consists of a word printed in capital letters followed by words or phrases listed as (a), (b), (c) and (d). Choose from these the word or phrase that has most nearly the same meaning as the word in capital letters.

29. **ALLOCATE**
- (a) find the exact position of
 - (b) lessen the pain
 - (c) give up gracefully
 - (d) to apportion for a specific purpose
30. **OPTIMAL**
- (a) most satisfactory
 - (b) relating to vision
 - (c) cheerful
 - (d) not compulsory
31. **EXASPERATE**
- (a) cut off a part
 - (b) annoy exceedingly
 - (c) carry off
 - (d) conclude
32. **CONSERVE**
- (a) save
 - (b) old-fashioned
 - (c) hoard
 - (d) store

Antonyms

Directions : Each question in this section consists of a word printed in capital letters followed by words or phrases listed as (a), (b), (c) and (d). Choose from these the word or phrase that has most nearly the meaning opposite to the word in capital letters.

33. **PARTIALLY**
- (a) impartially
 - (b) entirely
 - (c) favouring one party
 - (d) not together
34. **DECEASED**
- (a) paralyzed
 - (b) sickly
 - (c) living
 - (d) misled

35. **STERILE**
- (a) barren
 - (b) productive
 - (c) without germs
 - (d) infectious

36. **COMPATIBLE**
- (a) quite similar
 - (b) expressing admiration
 - (c) showing compassion
 - (d) unable to exist together with

37. **CONTROVERSY**
- (a) debate
 - (b) agreement
 - (c) discussion
 - (d) contradiction

Comprehension

Directions : Read the following short passages. After each passage, you will find several questions based on what is stated or implied in the passages. Answer the questions that follow each passage.

Passage - 1

Vehicles do not move about the roads for mysterious reasons of their own. They move only because people want them to move in connection with the activities which the people are engaged in. Traffic is therefore a 'function of activities', and because, in towns, activities mainly take place in buildings, traffic in towns is a 'function of buildings'. The implications of this line of reasoning are inescapable.

38. Line 1 of the passage means that vehicles move on the roads
- (a) for reasons difficult to understand.
 - (b) to serve specific purposes of people.
 - (c) in a haphazard fashion.
 - (d) in ways beyond our control.

39. The author says that traffic is a 'function of activities'. He means that
- human activities are taking place.
 - human activities are dependent on traffic.
 - traffic is not dependent on human activities.
 - traffic is connected with human activities.
40. The author suggests by his argument that
- to regulate traffic more policemen have to be employed.
 - to regulate activities, traffic has to be controlled.
 - to regulate traffic, buildings have to be taken into consideration.
 - to understand the traffic problem we must examine the social context in which it is found.
41. By 'this line of reasoning', the author means
- idea contained in this line.
 - idea contained in any one line of his argument.
 - the manner of arguing.
 - this row of printed characters.

Passage - 2

Governments throughout the world act on the assumption that the welfare of their people depends largely on the economic strength and wealth of the community. Under modern conditions, this requires varying measures of centralized control and the help of specialized scientists such as economists and operational research experts. Furthermore, it is obvious that the strength of a country's economy is directly bound up with the efficiency of its agriculture and industry, and that this in turn rests upon the efforts of scientists and technologists of all kinds. It also means that governments are increasingly compelled to interfere in these sectors in order to step up production and ensure that it is utilized to the best advantage.

42. According to the author, the function of the government of a country is to
- ensure the progress of science in all directions.
 - encourage mainly agricultural production.
 - redistribute the wealth of the community.
 - promote economic growth and proper utilization of resources.
43. Government needs the help of
- scientists engaged in theoretical research only.
 - scientists who belong to different disciplines.
 - social scientists only.
 - scientists with a wide general knowledge.
44. The author states that a country's economy is
- strengthened by the contribution of science to agriculture and industry.
 - entirely dependent on its agriculture.
 - chiefly based on the efficiency of its industry.
 - closely related to the industry of its people.
45. Which of the following statements best expresses the main idea of the passage ?
- Environmental science is the most important of sciences.
 - The community as a whole is dependent on industry.
 - The government is unnecessarily interfering with science and technology.
 - Science and technology are increasingly coming under the control of the government.

Selecting Words

Directions : In the following passage, at certain points you are given a choice of three words marked (a), (b) and (c), one of which fits the meaning of the passage. Choose the best word out of the three. Mark the letter, viz., (a), (b) or (c), relating to this word on your Answer Sheet. Examples K and L have been solved for you.

K

The (a) boy was in the school in Simla.

(b) horse

(c) dog

L

(a) She was homesick.

(b) It

(c) He

Explanation : Out of the list given in item K, only, 'boy' is the correct answer because usually, a boy, and not a horse or a dog, attends school. So '(a)' is to be marked on the Answer Sheet for item K. A boy is usually referred to as 'he', so for item L, '(c)' is the correct answer. Notice that to solve the first item K, you have to read the rest of the sentence and then see what fits best.

Passage

It is not true to say that stress and anxiety are experiences of recent origin for mankind. Every era

46.

has been an age of anxiety. A few hundred years ago, for example, (a) then was no threat of nuclear war,

(b) here

(c) there

47.

(a) yet there was the terrible danger of (a) the plague which quite literally destroyed whole

(b) but

(b) a

(c) still

(c) that

49.

(a) populations. Everything in human life is (a) uncertain and contingent — you may be rich

(b) continents.

(b) impossible

(c) departments.

(c) unbearable

50.

51.

(a) now and poor tomorrow, or healthy or sick; this has been true throughout history.

(b) always

(c) today

Ordering of words in a sentence

Directions : In each of the items in this section, there is a sentence of which some parts have been jumbled up. You are required to rearrange 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.

52. If you need help promptly and politely ask for attendants to help our customers

P

Q

R

who have instructions.

S

The proper sequence should be

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

53. He was so kind and generous that he not only made others do so but also helped them himself.

P

Q

R

S

The proper sequence should be

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

54. People at his dispensary went to him of all professions for medicine and treatment.

P

Q

R

S

The proper sequence should be

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

55. Little that he had been let down stood by all these years did he realize by a colleague whom he had.

P

Q

R

S

The proper sequence should be

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

56. There was needed for its everyday life a time when each family for itself most of the things it

P

Q

R

actually produced.

S

The proper sequence should be

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

57. We have to as we see it speak the truth there is falsehood and darkness even if all around us.

P

Q

R

S

The proper sequence should be

(a) R Q S P

(b) Q R P S

(c) R S Q P

(d) Q P S R

58. This majestic mahogany table belongs to an old prince which has one leg missing

P

Q

who is now impoverished but proud of his background.

R

S

The proper sequence should be

(a) P Q S R

(b) Q R S P

(c) P R S Q

(d) Q P R S

59. By this time at the railway station reported mass looting reports of violence were flooding in

P

Q

R

while police dispatches.

S

The proper sequence should be

(a) R S P Q

(b) S P R Q

(c) S Q R P

(d) R S Q P

60. It would appear from his statement about the policy of the management in dealing with the strike

P

Q

R

that he was quite in the dark.

S

The proper sequence should be

(a) R P S Q

(b) P S Q R

(c) R Q P S

(d) P R Q S

PART - B

61. Viruses are parasitic, having DNA/RNA but they can be crystallized and lack respiration. Thus they are treated as
- living materials
 - non-living materials
 - both living and non-living materials
 - cellulose
62. Consider the following statements :
- Rowlatt Act resulted in the tragedy of Jallianwala Bagh.
 - Gandhiji shot into prominence in the Indian politics after Jallianwala Bagh tragedy.
 - Gandhiji launched large scale mass movements in India before 1920.
- Which of the statements given above is/are correct ?
- 1 only
 - 1 and 2 only
 - 3 only
 - 1, 2 and 3
63. Consider the following statements :
- The introduction of railways in India gave rise to the feeling of nationalism in India.
 - The spread of the Western (English) education encouraged the emergence of nationalist feelings in India.
 - The emergence of Indian nationalism was accompanied by socio-religious movements that glorified Indian culture.
- Which of the statements given above is/are correct ?
- 1 only
 - 1 and 2 only
 - 2 and 3 only
 - 1, 2 and 3
64. Which one of the following pairs of disease and nature is/are correctly matched ?
- Scurvy : Nutritional
 - Malaria : Degenerative
 - Haemophilia : Hereditary
- Select the correct answer using the code given below :
- 1, 2 and 3
 - 1 and 3 only
 - 1 and 2 only
 - 2 only
65. Minerals are deposited and accumulated in
- sedimentary rocks
 - metamorphic rocks
 - igneous rocks
 - None of the above
66. Moment of inertia of a body does *not* depend on
- mass
 - shape
 - angular velocity
 - axis of rotation
67. The Buddha laid down a 'code of conduct' for his followers. Which one among the following was *not* a part of his 'code of conduct' ?
- Do not use intoxicants
 - Do not indulge in corrupt practices
 - Do not marry
 - Do not covet the property of others
68. Name the last Mauryan ruler who was assassinated by his general Pushyamitra Shunga.
- Chandragupta
 - Bindusara
 - Brihadratha
 - Kunal

69. Indicate the proper order of steps in the nutrition process.

- (a) Digestion – Assimilation – Absorption – Egestion
- (b) Digestion – Absorption – Assimilation – Egestion
- (c) Absorption – Assimilation – Egestion – Digestion
- (d) Assimilation – Absorption – Digestion – Egestion

70. Koderma in Jharkhand is the leading producer of

- (a) Bauxite
- (b) Mica
- (c) Iron ore
- (d) Copper

71. In order to avoid the buckling of a beam, one has to

- 1. use material of low Young's modulus.
- 2. use material of high Young's modulus.
- 3. construct the beam with large load-bearing surface and enough depth.
- 4. construct the beam with small load-bearing surface and enough depth.

Select the correct answer using the code given below :

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

72. Consider the following statements about the Gandhara art :

- 1. In the Gandhara art the images of Buddha were made in the Graeco-Roman style.
- 2. The hair of Buddha was not fashioned in the Graeco-Roman style.
- 3. The Gandhara art spread to Mathura and produced several images of Mahavira.

Which of the statements given above is/are correct ?

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

73. Consider the following statements concerning temple architecture in India :

- 1. A pillarless hall was called *mandap*.
- 2. Temple architecture in the South attained its climax under the Cholas.
- 3. The style of architecture which flourished under the Cholas is called *Dravida*.

Which of the statements given above is/are *incorrect* ?

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

74. During the production of Yoghurt from Milk, the system is found to produce

- (a) Citric acid
- (b) Lactic acid
- (c) Formic acid
- (d) Acetic acid

75. Which one among the following is the main form of degradation in irrigated areas ?

- (a) Gully erosion
- (b) Wind erosion
- (c) Salinisation of soils
- (d) Siltation of land

76. The property of 'surface tension' arises due to

1. excess potential energy of the molecules at the surface in comparison to their potential energy at the interior.
2. less potential energy of the molecules at the surface in comparison to their potential energy at the interior.
3. hydrogen bonds present in liquid molecules.
4. Brownian motion of the liquid molecules.

Select the correct answer using the code given below :

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

77. Digambara tradition mentions the southward migration of the Jaina monks in the wake of an impending famine. Which one among the following was the leader of the migrant group ?

- (a) Bhadrabahu
- (b) Sthalbahu
- (c) Shivabhuti
- (d) Yashovijaya

78. Consider the following statements about Thomas Roe and William Hawkins :

1. They were ambassadors of the East India Company.
2. They visited the Court of Akbar.
3. They were Jesuit missionaries and visited to propagate Christianity in India.

Which of the statements given above is/are correct ?

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

79. Which of the following are the instruments of Parliament for the 'daily and periodic assessment' of ministerial responsibilities ?

1. Question hour
2. Adjournment motion and Calling attention motion
3. Motion of Thanks on the Address by the President
4. Parliamentary Committees

Select the correct answer using the code given below :

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

80. Nosocomial infection is

- (a) acquired from 'nose' of humans
- (b) acquired from nasal cavity of animals
- (c) hospital acquired
- (d) an endemic disease

81. What type of forest can be found in western coast, upper Assam, lower slopes of eastern Himalaya, Orissa coast and neighbouring hills ?

- (a) Dry tropical forest
- (b) Alpine forest
- (c) Moist tropical forest
- (d) Montane sub-tropical forest

82. Among the following, which one statement about friction is *not* true ?

- (a) Friction reduces a machine's efficiency by robbing some of its power.
- (b) Sliding friction is less than rolling friction.
- (c) Friction accompanies all motions.
- (d) A heavy object has more friction than a lighter one.

83. The term of office of Rajya Sabha members begins in case of Members elected/nominated

- 1. biennially, from the date on which their names are notified by the Government of India in the Official Gazette.
- 2. to fill a casual vacancy, from the date of publication in the Official Gazette of the declaration of election of such persons.

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

84. Consider the following statements :

- 1. A Gram Sabha may exercise such powers and perform such functions at the village level as the Legislature of a State may, by law, provide.
- 2. Parliament may, by law, make provisions with respect to maintenance of accounts by Panchayats.

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

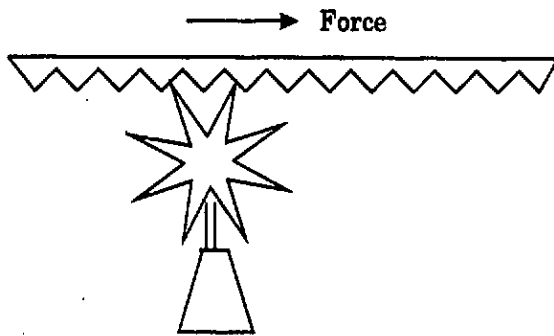
85. Which one among the following is *not* responsible for 'green house effect' ?

- (a) Water
- (b) Carbon dioxide
- (c) Nitrogen
- (d) Chlorofluorocarbons

86. Which one among the following industries uses Bauxite as a raw material ?

- (a) Steel
- (b) Electronics
- (c) Aluminium
- (d) Information technology

87. Look at the following diagram and suggest in which direction the wheel will move :



- (a) Clockwise
- (b) Anti-clockwise
- (c) Clockwise when applied force is lower
- (d) Anti-clockwise when applied force is higher

88. Which one among the following statements about the legislatures of India is *not* correct ?

- (a) The President may prorogue the Houses or either House of Parliament and dissolve the Lok Sabha.
- (b) In the case of the State Legislatures, it is the Governor who may from time to time prorogue the Houses or either House of the Legislature and dissolve the Legislative Assembly.
- (c) The proposal to summon, prorogue or dissolve the Lok Sabha may be made by the Prime Minister with or without the consultation of the Cabinet.
- (d) In no case should the time period intervening between the last sitting in one session of Parliament and the date appointed for its first sitting in the next session exceed thirty-six weeks.

89. Whether a Member of Lok Sabha has become subject to any disqualification will be decided by

- 1. the President on the ground of a corrupt practice at elections.
- 2. the Speaker on the ground of defection.

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

90. Which one among the following is *not* a function of a pressure group ?

- (a) Formation of public opinion
- (b) To influence the election process
- (c) To work as a link between the government and the public
- (d) To capture political power by entering elections

91. Match List I with List II and select the correct answer using the code given below the Lists :

<i>List I</i> (Cell type)	<i>List II</i> (Most important function)
A. RBC	1. Immunity
B. Neutrophils	2. Oxygenation
C. Eosinophils	3. Clotting
D. Platelets	4. Mechanism of allergy

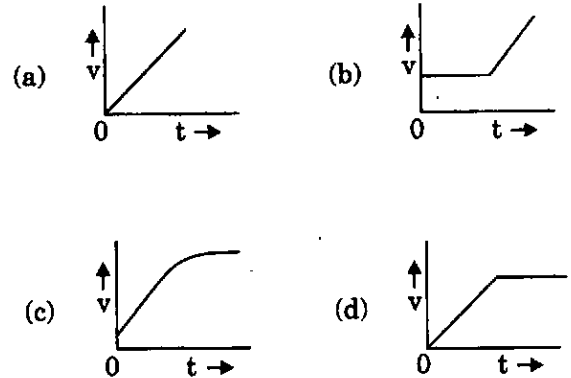
Code :

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

92. Under which of the following conditions is the phenomenon of 'solar constant' the highest ?

- When the rays of the Sun travel a greater distance
- When the output of the energy is less
- When there is a presence of larger amount of dust particles, water vapour, salt and smoke
- When the duration of sunlight is more

93. A tall cylinder is filled with viscous oil. A marble is dropped from the top with some non-zero initial velocity. From the following plots, indicate the one that best represents the velocity (v) of the marble as a function of time (t) :



94. Which of the following statements relating to District Council under Article 244 (2) of the Constitution of India is/are correct ?

- The District Council shall have power to make laws with respect to marriage and divorce.
- The District Council may establish, construct, or manage primary schools, dispensaries and markets, etc.

Select the correct answer using the code given below :

- 1 only
- 2 only
- Both 1 and 2
- Neither 1 nor 2

95. Which one among the following is *not* associated with World Trade Organization ?

- (a) Dunkel Treaty
- (b) Reciprocity
- (c) TRIPS, TRIMS and Services
- (d) OECD and NIEO

96. Consider the following statements :

- 1. The word 'caste' is derived from the Portuguese word 'casta' which means a group.
- 2. In India, caste is not determined by birth.
- 3. Tribe is not a form of social stratification like caste and class.

Which of the statements given above is/are *incorrect* ?

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

97. The Government's priority in the first Five Year Plan of India was

- (a) Industry
- (b) Agriculture
- (c) Technology
- (d) Education

98. In a Mendelian experiment, breeding of tall pea plants (TT) bearing violet flowers (WW) was done with short pea plants (tt) bearing white flowers (ww). The progeny all bore violet flowers, but almost half of them were short. The genetic make-up of the tall parent can be

- 1. TTWW
- 2. TTww
- 3. TtWW
- 4. TtWw

Which of these make-ups is/are correct ?

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

99. During December and January, North India experiences excessive cold weather because

- 1. these areas being far away from the moderating influence of sea, experience continental climate.
- 2. the cold winds coming from Caspian Sea and Turkmenistan bring cold wave over the northern parts of India.
- 3. low pressure develops over North India due to high temperatures.
- 4. high pressure develops over North India due to low temperatures.

Select the correct answer using the code given below :

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

100. Consider the following sequence :

U	CU	UCU	UCUCU
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If the sequence is continued, which one among the following figures will come next ?

UCUCUCU	UCUCUCU	UCUCUCU	UCUCUCU
C	C	U	U

(a) (b) (c) (d)

101. Which one among the following will be the longest railway tunnel of the world which is scheduled to be operational in the year 2016 ?

- Pir Panjal Railway tunnel, India
- South Liangshan tunnel, China
- Railway tunnel beneath the Swiss Alps, Switzerland
- Seikan tunnel, Japan

102. Which among the following is/are the function/functions of religion ?

- It performs a supportive function, by providing consolation, reconciliation and relief from anxiety or fear.
- Religion may perform a social control function.
- It may be a source of social change.

Select the correct answer using the code given below :

- 1 only
- 1, 2 and 3
- 1 and 3 only
- 2 and 3 only

103. What do you understand by the concept of 'social control' ?

- Social control is the control to limit deviance and maintain social order.
- When deviant acts are serious, informal controls are usually imposed.
- The informal controllers are specifically appointed by the State, and they can be expected to punish deviants severely.

Select the correct answer using the code given below :

- 1 only
- 2 and 3 only
- 1, 2 and 3
- 1 and 2 only

104. If a 17-year-old male has still not undergone the changes of puberty, he is likely to be deficient in

- Growth hormone
- Testosterone
- Progesterone
- Oestrogen

105. Which of the following is/are the characteristics of cyclone ?

- It is a system of low atmospheric pressure in which the barometric gradient is steep.
- It is a wind system in which winds are blowing inwards in an anti-clockwise direction in the 'N' hemisphere and in a clockwise direction in the 'S' hemisphere.
- It is an air movement which is clockwise in the 'N' hemisphere and anti-clockwise in the 'S' hemisphere.
- A system of atmospheric pressure in which the isobars indicate high pressure at the centre and low pressure at the periphery.

Select the correct answer using the code given below :

- 1 and 4
- 1 and 2
- 2 only
- 2 and 3

Directions : (For the next three items)

In each of the following three items below, there is a statement followed by two courses of action I and II. Which one among the following courses of action logically follows ?

- (a) If only I follows
- (b) If only II follows
- (c) If either I or II follows
- (d) If neither I nor II follows

106. Statement :

An increasing number of graduates produced by Indian universities is unemployable.

Course of action I :

Colleges and institutes of higher learning should be given greater autonomy to decide course content.

Course of action II :

Foreign universities should be encouraged to set up campuses in India.

107. Statement :

Heavy rains hit the State during October, just before the State Assembly elections and caused heavy damage to standing crops in most parts of the State.

Course of action I :

Elections should be postponed to give candidates the opportunity to campaign.

Course of action II :

The Government should announce a relief package for those who are affected.

108. Statement :

Cell phone users have found that tariff plans are not as attractive as promoted by telephone companies and complained to the regulatory authority about the same.

Course of action I :

The regulatory authority should direct telephone companies to be transparent on the tariff structure of all plans.

Course of action II :

The Government should restrict the number of telephone companies operating in the country.

109. Which of the following statements about 'communalism' are correct ?

1. It refers to aggressive chauvinism based on religious identity.
2. A communal person or state is one that does not favour any particular religion over others.
3. A communalist may or may not be a devout person, and a devout believer may or may not be a communalist.
4. It is an aggressive political ideology linked to religion.

Select the correct answer using the code given below :

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

110. The term 'hot money' is used to refer to

- (a) Currency + Reserves with the RBI
- (b) Net GDR receipts
- (c) Net Foreign Direct Investment
- (d) Foreign Portfolio Investment

111. The loss of the ozone layer has serious implications for the quality of the environment because

- (a) Ozone (O₃) protects organisms from UV rays
- (b) Depleted ozone layer causes rain water to have a lower pH
- (c) Loss of the ozone layer causes the Sun's rays to get trapped in the atmosphere
- (d) Depleted ozone layer may lead to increase in dissolved oxygen content in water bodies

112. What do you understand by caste structure in India ?

- 1. Caste is a system of social stratification which lies at the very root of Indian social structure.
- 2. It is a pattern of social behaviour in which groups and individuals are guided by a prescribed set of norms, values and sanctions.
- 3. In this system, individuals are born into a certain caste and thereby acquire the role and status with that caste identity.

Select the correct answer using the code given below :

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

113. Which of the following statements regarding relative humidity is/are correct ?

- 1. It is an index of the amount of water vapour present in the atmosphere.
- 2. It measures the readiness with which vapour will condense from the air.
- 3. The value of the relative humidity varies inversely with temperature and rises during nights.
- 4. It is the ratio of the mass or weight of water vapour per unit volume of air measured in grams per cubic meter.

Select the correct answer using the code given below :

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

114. Balanced growth implies that

- (a) growth of no sector is impeded by inadequate growth in another sector
- (b) supply and demand grow at the same pace
- (c) growth rates of income and consumption are the same
- (d) growth rate of savings is equal to growth rate of investment

115. The Inter Tropical Convergence Zone (ITCZ) normally occurs near the

- (a) Equator
- (b) Tropic of Cancer
- (c) Tropic of Capricorn
- (d) Arctic Circle

116. Gross Domestic Product (GDP) is called 'gross' because its computation does *not* exclude

- (a) depreciation of capital (consumption of capital in production process)
- (b) subsidies on consumption of goods
- (c) earnings of foreign factors in host country
- (d) impact of price rise

117. In India, fiscal deficit shot up from 2.5 per cent of Gross Domestic Product (GDP) in 2007 – 08 to 6.0 per cent of GDP in 2008 – 09 (global recession year) because, as a ratio of GDP

- (a) revenue receipts rose faster than revenue expenditure
- (b) revenue receipts fell and revenue expenditure on subsidies rose
- (c) capital receipts rose while revenue receipts fell
- (d) revenue receipts and non-debt receipts fell while revenue expenditure shot up

118. In India, which one among the following taxes/duties now follows a negative list approach ?

- (a) Customs duty
- (b) Excise duty
- (c) Service tax
- (d) Income tax

119. Which one among the following is *not* a correct demographic fact of India for recent years ?

- (a) Female life expectancy at birth is lower than its male counterpart
- (b) Female infant mortality is higher than its male counterpart
- (c) Female literacy rate is lower than its male counterpart
- (d) Female birth rate is lower than its male counterpart

120. In recent years, shares of agriculture, industry and services in Gross Domestic Product (GDP) of India have roughly reached the ratio of (respectively)

- (a) 20 : 20 : 60
- (b) 15 : 25 : 60
- (c) 25 : 20 : 55
- (d) 25 : 25 : 50

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