

ENGINEERING SERVICES
EXAMINATION 2015

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

T.B.C. : B-HUF-P-ICT

Test Booklet Series

Serial No.

0198561

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.
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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13. Spectators of a football match (a) are pleased (b) when a goal is thrown. (c) No error. (d)
14. The whole country (a) will be perished (b) if people do not work hard. (c) No error. (d)
15. I know by experience (a) that badminton can be (b) a very exciting game. (c) No error. (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 (a), (b) or (c). If none of the substitutions improves the sentence, indicate (d) as your response on the Answer Sheet. Thus a "No improvement" response will be signified by the letter (d).

16. How much ago did it happen?
 (a) How far
 (b) However
 (c) How long
 (d) No improvement
17. He frequents this restaurant.
 (a) seldom visits
 (b) looks after
 (c) is the manager of
 (d) No improvement
18. I shave on alternative days.
 (a) every second day
 (b) alternate days
 (c) consecutive days
 (d) No improvement
19. The result of the examination has not known for another two months.
 (a) will not be known
 (b) will not know
 (c) will not be knowing
 (d) No improvement
20. Ram Singh came very close to win a gold medal for India in the Olympics.
 (a) for winning
 (b) to have won
 (c) to winning
 (d) No improvement
21. Many a young men wants to join the army.
 (a) young man
 (b) a young man
 (c) young men
 (d) No improvement
22. We have met before, isn't it?
 (a) didn't we?
 (b) have we?
 (c) haven't we?
 (d) No improvement
23. You will not succeed, unless you do not work hard.
 (a) unless you will not work hard
 (b) unless you will work hard
 (c) unless you work hard
 (d) No improvement
24. It is no use to cry over spilt milk.
 (a) crying over spilt milk
 (b) in crying over spilt milk
 (c) of crying over spilt milk
 (d) No improvement
25. His room is very larger than mine.
 (a) too larger than mine
 (b) much larger than mine
 (c) more larger than mine
 (d) No improvement

26. Though it was raining but he went out.
 (a) and he went out
 (b) he went out
 (c) however he went out
 (d) No improvement
27. He is sharpening the pencil by a knife.
 (a) on a knife
 (b) from a knife
 (c) with a knife
 (d) No improvement
28. We were pleased to seeing her.
 (a) to see
 (b) from seeing
 (c) in seeing
 (d) No improvement
29. It became dark after we were walking for about half an hour.
 (a) have been walking
 (b) have walked
 (c) had walked
 (d) No improvement
30. He is living in this city for the last three years.
 (a) lived
 (b) has been living
 (c) lives
 (d) No improvement
31. 'Where does your friend live?' 'I don't know - where my friend does live.'
 (a) does my friend live
 (b) he lives
 (c) lives my friend
 (d) No improvement
32. Any of the three offers is acceptable to me.
 (a) Every
 (b) Either
 (c) All
 (d) No improvement
33. We all went on picnic last Sunday.
 (a) to a picnic
 (b) in picnic
 (c) on a picnic
 (d) No improvement
34. It is too early to go to school.
 (a) very early
 (b) quite early
 (c) much early
 (d) No improvement
35. A square peg does not fit into a round hole.
 (a) does not fit in a round hole
 (b) cannot fit around a round hole
 (c) does not fit inside a round hole
 (d) No improvement

ORDERING OF WORDS IN A SENTENCE

Directions: Each of the following items in this section consists of a sentence the parts of which have been jumbled. These jumbled parts have been labelled P, Q, R and S which are followed by four sequences namely (a), (b), (c) and (d). You are required to rearrange the jumbled parts to produce the correct sentence. Choose the correct sequence and mark in your Answer Sheet accordingly.

36. The doctor told
 (P) the patient
 (Q) to give an injection to
 (R) the nurse
 (S) after four hours
 The correct sequence should be
 (a) RQPS
 (b) RPSQ
 (c) QPSR
 (d) PSRQ
37. The judge
 (P) lied to the court
 (Q) why he had
 (R) asked the accused
 (S) in spite of his oath
 The correct sequence should be
 (a) PSRQ
 (b) QPSR
 (c) PRQS
 (d) RQPS

38. His father said,
(P) and stop
(Q) on trivial things
(R) wasting your time
(S) now get up
The correct sequence should be
(a) SPRQ
(b) PSRQ
(c) QRSP
(d) RQSP

39. The stranger's movements
(P) and the police
(Q) him
(R) arrested
(S) aroused suspicion
The correct sequence should be
(a) SQPR
(b) RQPS
(c) SPRQ
(d) RPQS

40. The future
(P) is uncertain
(Q) career
(R) man
(S) of this noble
The correct sequence should be
(a) PQSR
(b) QPSR
(c) RPSQ
(d) QSRP

41. The food
(P) at the party
(Q) served
(R) was delicious
(S) but not wholesome
The correct sequence should be
(a) PRSQ
(b) QPRS
(c) RSPQ
(d) QRSP

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 | L |
| The (a) boy was in the school in Simla. | (a) She was home sick. |
| (b) horse | (b) It |
| (c) dog | (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

The crow is a familiar bird. Everybody must have seen one. With their cawing the crows

- wake us up early in the morning. The cawing of the crows is very
- 42
(a) pleasant. They
(b) raucous
(c) moving

- 43
 seem to know a lot (a) about men. They know that men throw (a) in much
 (b) of (b) away
 (c) from (c) over
- 44
- 45
 rubbish which is food for (a) them, so they are very watchful. They
 (b) us,
 (c) you,
- 46
- 47
 (a) jump around to pick up worms and (a) leaves. They can get very bold, so
 (b) come (b) crumbs.
 (c) hop (c) feathers.
- 48
- 49
 (a) when they come close to your (a) feet if you have any food to
 (b) that (b) hand
 (c) as (c) mouth
- 50
- 51
 (a) present them. They have sharp eyes to (a) check their cunningness.
 (b) throw (b) watch
 (c) offer (c) show
- 52
- 53
 They are also very (a) mild and will come into the house (a) on snatch up food.
 (b) courageous (b) to
 (c) impudent (c) for
- 54
- 55
 In summer they (a) all fly about with their pointed beaks (a) closed in search
 (b) some (b) open
 (c) both (c) turned
- 56
- 57
 of water. They quench their (a) thirst at public baths or on the (a) banks
 (b) hunger (b) floor
 (c) desire (c) slope
- 58
- of rivers. It is wonderful to (a) know them washing themselves in small ponds,
 (b) watch
 (c) look
- 59
- 60
 (a) dashing noisily. They are fond of sitting (a) frequently on the backs of buffaloes in the
 (b) splashing (b) shabbily
 (c) throwing (c) quietly
- shade of trees. They present a beautiful sight when, in the evenings, they return to their nests in thrilling
 geometric formations.

PART - B

61. Which one of the following is India's first indigenously built nuclear-powered submarine ?
(a) INS Arihant
(b) INS Sindhurakshak
(c) INS Viraat
(d) INS Vikramaditya
62. The Constitution of India was adopted by the Constituent Assembly on :
(a) 26th January 1950
(b) 15th August 1947
(c) 30th January 1948
(d) 26th November 1949
63. Which National Highway connects Uttar Pradesh and Tamil Nadu?
(a) NH 4
(b) NH 5
(c) NH 6
(d) NH 7
64. Which one of the following countries is not a member of ASEAN?
(a) Indonesia
(b) South Korea
(c) Thailand
(d) Vietnam
65. The term 'Bali Action Plan', is sometimes seen in news in the context of :
(a) Global climate change
(b) Global terrorism
(c) Global wildlife trafficking
(d) World trade
66. Who of the following is known as the 'Iron Man of India' ?
(a) Vallabhbhai Patel
(b) Bipin Chandra Pal
(c) Gopal Krishna Gokhale
(d) Bal Gangadhar Tilak
67. Bardoli Satyagraha, 1928 was a peasant movement launched against the :
(a) Raised rate of tax by the Government
(b) Failure of Round Table Conference
(c) Visit of Simon Commission
(d) Lathi charge on Lala Lajpat Rai
68. Consider the following pairs :
- | <i>Well known lake</i> | <i>State</i> |
|------------------------|--------------|
| 1. Chilika Lake : | Odisha |
| 2. Kolleru Lake : | Kerala |
| 3. Pulicat Lake : | Karnataka |
- Which of the pairs given above is/are correctly matched ?
(a) 1 only
(b) 2 and 3 only
(c) 1 and 3 only
(d) 1, 2 and 3
69. Which one of the following is *not* a member of SAARC ?
(a) Myanmar
(b) Maldives
(c) Bhutan
(d) Afghanistan

70. In the Union Government, the Council of Ministers is collectively responsible to :
- Prime Minister
 - Lok Sabha
 - Both Lok Sabha and Rajya Sabha
 - Union Cabinet
71. If the annual Union Budget is *not* passed by Lok Sabha :
- The President of India asks the Finance Minister to resign
 - The Prime Minister asks the Finance Minister to resign
 - The Finance Minister modifies it and presents it again
 - The Prime Minister submits the resignation of his Cabinet
72. Which of the following is/are used as both fertilizer as well as explosive?
- Ammonium nitrate
 - Calcium sulfate
 - Potassium permanganate
- Select the correct answer using the code given below :
- 1 only
 - 2 and 3 only
 - 1 and 3 only
 - 1, 2 and 3
73. The expenditure which can be charged on the Consolidated Fund of India :
- is discussed and voted by the Parliament.
 - can be discussed but is not put to vote before Parliament.
 - can neither be discussed nor voted by the Parliament.
 - is discussed and voted by the Lok Sabha only.
74. What is NEOShield, sometimes seen in news?
- An international consortium to address the asteroid threat to Earth
 - A geo-engineering project of OECD countries to find the ways to save the Earth from global warming
 - NASA's project to find the ways to ward off the effects of solar flares on our communication systems
 - A ballistic missile defence system developed by a group of countries
75. Consider the following plants :
- Cycas
 - Date palm
 - Pinus
- Which of the above is/are flowering plants?
- 1 and 2 only
 - 2 and 3 only
 - 2 only
 - 1, 2 and 3
76. Recently, between which of the following countries has a 534 km long gas pipeline been proposed to be constructed?
- France and Hungary
 - Germany and Italy
 - Poland and Lithuania
 - Greece and Turkey
77. Consider the following statements :
- Snakes are always at the end of a food chain.
 - Some snakes are viviparous.
- Which of the statements given above is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2

78. An eastward traveller from India crossing the International Date Line, in order to get the correct day and time of the local area should turn his watch :
- forward
 - forward and should move his day calendar backward
 - backward
 - backward and should move his day calendar forward
79. Consider the following statements :
- Red panda in its natural habitat is found in Eastern Himalayas.
 - Gharial in its natural habitat is found in Bhitarkanika mangroves.
- Which of the statements given above is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
80. Who among the following was the first Governor-General of Independent India ?
- C. Rajagopalachari
 - Rajendra Prasad
 - Lord Mountbatten
 - S. Radhakrishnan
81. With reference to carbon dioxide, which of the following statements is/are correct ?
- It is released from the interior of the Earth during volcanic eruption.
 - It corrodes metal surfaces.
 - It is required for the green plants for their survival.
- Select the correct answer using the code given below :
- 1 and 2 only
 - 3 only
 - 2 and 3 only
 - 1, 2 and 3
82. A group of countries called G4 is often mentioned in the news as contenders for a permanent membership in the United Nations Security Council. Which of the following is *not* one of them?
- Brazil
 - Germany
 - Japan
 - South Africa
83. Turkey, which is frequently in the news, does not have a border with which of the following?
- Romania
 - Iran
 - Georgia
 - Bulgaria
84. Consider the following :
- Amino acids
 - Fatty acids
 - Hormones
 - Vitamins
- Which of the above can be the sources of cellular energy in a human body?
- 1 and 2 only
 - 2 and 4 only
 - 3 and 4 only
 - 1, 2, 3 and 4
85. What causes wind to deflect towards left in the southern hemisphere?
- Atmospheric temperature
 - Earth's magnetic field
 - Rotation of the Earth
 - Atmospheric pressure

86. Which one of the following statements about Earth's diameter is true?

- (a) Polar diameter is slightly less than the equatorial diameter.
- (b) Polar and equatorial diameters are equal.
- (c) Polar diameter is longer than the equatorial diameter.
- (d) Polar diameter is half of the equatorial diameter.

87. Recently, the Interim Secretariat of the International Solar Alliance was inaugurated at :

- (a) Gurgaon
- (b) Panipat
- (c) Vadodara
- (d) Visakhapatnam

88. With reference to Loktak lake, consider the following statements :

1. Loktak is a freshwater lake in north-eastern India.
2. Loktak lake carries floating islands that are made up of decaying masses of Vegetation, soil and organic matter.

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

89. Mahatma Gandhi suspended Non-Cooperation Movement due to :

- (a) Its taking violent turn
- (b) Inadequate cooperation from people
- (c) Disapproval of Congress
- (d) Ill health of Mahatma Gandhi

90. A warm-blooded animal is one which

- (a) has a fluctuating body temperature depending on its surroundings
- (b) does not lose heat to surroundings
- (c) absorbs heat from surroundings
- (d) has a constant body temperature

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

1. Shale gas is extensively produced in Saudi Arabia and Kuwait
2. Fracking technology used in the extraction of this gas requires large quantities of water.

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

92. 'TAPI' gas pipeline, sometimes mentioned in the news, is planned to be laid in :

- (a) Turkey – Afghanistan – Pakistan – India
- (b) Turkmenistan – Ajarbaijan – Pakistan – Iran
- (c) Turkey – Ajarbaijan – Pakistan – Iran
- (d) Turkmenistan – Afghanistan – Pakistan – India

93. Consider the following :

1. Palm civet
2. Puma
3. Cheetah

Which of the above is/are found in India in their natural habitat ?

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

94. Who of the following died of hunger strike in prison ?
- Bhagat Singh
 - Bhupendranath Sanyal
 - Chandra Shekhar Azad
 - Jatin Das
95. Consider the following statements :
- Governor of a State can reserve certain bills passed by the State Legislature for consideration of the President of India
 - Governor of a State can make the rules to conduct the business of State Government
- Which of the statements given above is/are correct?
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
96. There is a growing concern about the release of a particular gas into the atmosphere from the permafrost of Arctic region. Which one of the following is that gas?
- Carbon monoxide
 - Ethane
 - Methane
 - Sulfur dioxide
97. "RuPay", recently in the news, is the name of a:
- Debit card
 - Digital currency
 - Super computer
 - Tax benefit
98. Which of the following is/are among the main objective/objectives of G20 group of countries?
- Discussing key issues in the global economy
 - Promoting international financial stability
- Select the correct answer using the code given below :
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
99. With reference to 'Seshachalam Biosphere Reserve', which of the following statements is/are correct?
- It is located in the Eastern Ghats.
 - It is a unique tropical rain forest.
- Select the correct answer using the code given below :
- 1 only
 - 2 only
 - Both 1 and 2
 - Neither 1 nor 2
100. Which one of the following is located between France and the United Kingdom?
- Cook Strait
 - Davis Strait
 - Strait of Dover
 - Strait of Gibraltar
101. Which one of the following is associated with the issue of control and phase out of the use of ozone depleting substances?
- Bretton Woods Conference
 - Doha Development Agenda
 - Geneva II Conference
 - Montreal Protocol

102. Consider the following statements :

1. Headquarters of World Trade Organization (WTO) are in Doha.
2. World Intellectual Property Organization is a specialized agency of WTO.

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. What is 'Falcon 9', recently seen in news?

- (a) A rocket to deliver satellites into orbit
- (b) A short range missile launched from warships
- (c) An unmanned fighter aircraft
- (d) An astronomical space observatory

104. Consider the following statements :

1. Earth receives the Sun's energy only at the infrared end of the spectrum.
2. Earth reradiates the Sun's heat only as ultraviolet energy.

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

105. Consider the following crop plants :

1. Banana
2. Potato
3. Turmeric

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

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

106. The Polavaram Irrigation Project, recently in the news, is located in :

- (a) Andhra Pradesh
- (b) Karnataka
- (c) Kerala
- (d) Tamil Nadu

107. At which of the following places is the Marine National Park located ?

- (a) Chandipur-on-sea
- (b) Jamnagar
- (c) Puducherry
- (d) Visakhapatnam

108. How many north-eastern States of India (West Bengal is *not* included) share its/their border with three other countries ?

- (a) One
- (b) Two
- (c) Three
- (d) None

109. 'Fly ash', which can be used in making bricks, is emitted from :

- (a) Burning of agricultural waste
- (b) Burning of municipal solid waste
- (c) Mining of aluminum and iron ores
- (d) Thermal power plants

110. Consider the following statements :

- 1. Snowline occurs at a higher altitude in Eastern Himalayas than in the Western Himalayas.
- 2. Mangrove forests in India occur along the coastal areas of West Bengal and Odisha only.

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

111. Which one among the following is known as the largest producer of steel in the world ?

- (a) Australia
- (b) China
- (c) India
- (d) South Korea

112. Which of the following is/are World Heritage Properties as per UNESCO?

- 1. Bhitarkanika National Park
- 2. Bandhavgarh National Park
- 3. Sundarbans National Park

Select the correct answer using the code given below :

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

113. Which of the following places have nuclear power plants?

- 1. Amarkantak
- 2. Kaiga
- 3. Rawatbhata
- 4. Visakhapatnam

Select the correct answer using the code given below :

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

114. 'Wolf1061c', recently in news, refers to a/an :

- (a) Comet to which a space probe has been sent recently
- (b) Asteroid that flew past the earth recently
- (c) Galaxy closer to our galaxy
- (d) Exoplanet in the Goldilocks Zone around a red dwarf star

115. Consider the following countries :

1. Namibia
2. Syria
3. Mozambique

Recently, in which of the above countries has a lot of displacement of its/their citizens been caused due to civil war/terrorist violence ?

- (a) 1 and 2 only
- (b) 2 only
- (c) 1, 2 and 3
- (d) None

116. Which one of the following rivers rises near Mahabaleshwar ?

- (a) Godavari
- (b) Krishna
- (c) Kaveri
- (d) Tapi

117. Recently, India made a deal with Japan to introduce India's first high speed rail (bullet train) between :

- (a) Ahmedabad and Mumbai
- (b) Pune and Mumbai
- (c) Ahmedabad and Delhi
- (d) Chennai and Hyderabad

118. In Gandhara School of Art, the image of which of the following deities is a prominent feature ?

- (a) Buddha
- (b) Krishna
- (c) Mahavira
- (d) Shiva

119. Which one of the following, considered a carcinogen, is often secretively used by some for artificial fruit ripening ?

- (a) Calcium carbonate
- (b) Calcium carbide
- (c) Sodium benzoate
- (d) Sodium sulfate

120. Which of the following is *not* a member of a group of countries known as G7 ?

- (a) Australia
- (b) Canada
- (c) France
- (d) Japan

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