

# SSC-JE

Staff Selection Commission-Junior Engineer

# 2019



# GENERAL AWARENESS & REASONING

Previous Years Detailed Solution  
(2004-2018)



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**PREVIOUS YEARS OBJECTIVE**  
**DETAILED SOLUTION**  
**2004-2018**



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**First Edition : 2019**

## PREFACE

There are so many variables to this Paper of SSC-JE that it becomes a nightmare situation for students to figure out any pattern, which they can work through. Facts, reasoning, analytics, chronology, basics, current, all come raining from various directions from subjects like History, Geography, Arithmetic, Economy, Polity, Culture, Life Sciences, General Knowledge, etc. But when the content is treated the way it is tested at SSC-JE, it dispels the darkness, and ushers in the right direction.

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## EXAM PATTERN

PAPERS	MODE OF EXAMINATION	SUBJECT	NUMBER OF QUESTIONS	MAXIMUM MARKS	DURATION & TIMINGS
Paper-I Objective Type	Computer Base Mode	(i) General Intelligence & Reasoning	50	50	2 Hours
		(ii) General Awareness	50	50	Morning Shift
		(iii) General Engineering	100	100	Evening Shift
Paper-II Conventional Type	Written Examination	General Engineering (Civil and Structural / Mechanical / Electrical)		300	2 Hours

## SYLLABUS

### PAPER-I

#### General Awareness

Questions will be aimed at testing the candidate's general awareness of the environment around him/her and its application to society. Questions will also be designed to test knowledge of current events and of such matters of everyday observations and experience in their scientific aspect as may be expected of any educated person. The test will also include questions relating to India and its neighbouring countries especially pertaining to History, Culture, Geography, Economic Scene, General Polity and Scientific Research, etc. These questions will be such that they do not require a special study of any discipline.

#### General Intelligence & Reasoning

The Syllabus for General Intelligence would include questions of both verbal and non-verbal type. The test may include questions on analogies, similarities, differences, space visualization, problem solving, analysis, judgement, decision making, visual memory, discrimination, observation, relationship concepts, arithmetical reasoning, verbal and figure classification, arithmetical number series etc. The test will also include questions designed to test the candidate's abilities to deal with abstract ideas and symbols and their relationships, arithmetical computations and other analytical functions.

#### General Engineering

**Civil and Structural / Mechanical / Electrical**

# CONTENT

<b>1. GENERAL AWARENESS .....</b>	<b>01 – 281</b>
General Awareness 2004 .....	01 – 05
General Awareness 2005 .....	06 – 10
General Awareness 2007 .....	11 – 15
General Awareness 2008 .....	16 – 19
General Awareness 2009 .....	20 – 24
General Awareness 2010 .....	25 – 33
General Awareness 2011 .....	34 – 42
General Awareness 2012 .....	43 – 53
General Awareness 2013 .....	54 – 63
General Awareness 2014 (Morning Session) .....	64 – 73
General Awareness 2014 (Evening Session) .....	74 – 81
General Awareness 2015 .....	82 – 90
General Awareness 2016 01 Mar 2017 (Morning Session) .....	91 – 103
General Awareness 2016 01 Mar 2017 (Evening Session) .....	104 – 113
General Awareness 2016 02 Mar 2017 (Morning Session) .....	114 – 124
General Awareness 2016 02 Mar 2017 (Evening Session) .....	125 – 133
General Awareness 2016 03 Mar 2017 (Morning Session) .....	134 – 144
General Awareness 2016 03 Mar 2017 (Evening Session) .....	145 – 154
General Awareness 2016 04 Mar 2017 (Morning Session) .....	155 – 165
General Awareness 2016 04 Mar 2017 (Evening Session) .....	166 – 176
General Awareness 2017 22 Jan 2018 (Morning Session) .....	177 – 185
General Awareness 2017 22 Jan 2018 (Evening Session) .....	186 – 194
General Awareness 2017 23 Jan 2018 (Morning Session) .....	195 – 203
General Awareness 2017 23 Jan 2018 (Evening Session) .....	204 – 213
General Awareness 2017 24 Jan 2018 (Morning Session) .....	214 – 222
General Awareness 2017 24 Jan 2018 (Evening Session) .....	223 – 231
General Awareness 2017 25 Jan 2018 (Morning Session) .....	232 – 239
General Awareness 2017 25 Jan 2018 (Evening Session) .....	240 – 248
General Awareness 2017 27 Jan 2018 (Morning Session) .....	249 – 257
General Awareness 2017 27 Jan 2018 (Evening Session) .....	258 – 265
General Awareness 2017 29 Jan 2018 (Morning Session) .....	266 – 273
General Awareness 2017 29 Jan 2018 (Evening Session) .....	274 – 281

**2. GENERAL INTELLIGENCE AND REASONING ..... 282 – 553**

General Intelligence and Reasoning 2010 .....	282 – 290
General Intelligence and Reasoning 2011 .....	291 – 299
General Intelligence and Reasoning 2012 .....	300 – 309
General Intelligence and Reasoning 2013 .....	310 – 320
General Intelligence and Reasoning 2014 (Morning Session) .....	321 – 330
General Intelligence and Reasoning 2014 (Evening Session) .....	331 – 340
General Intelligence and Reasoning 2015 .....	341 – 351
General Intelligence and Reasoning 2016 01 Mar 2017 (Morning Session) .....	352 – 362
General Intelligence and Reasoning 2016 01 Mar 2017 (Evening Session) .....	363 – 371
General Intelligence and Reasoning 2016 02 Mar 2017 (Morning Session) .....	372 – 381
General Intelligence and Reasoning 2016 02 Mar 2017 (Evening Session) .....	382 – 391
General Intelligence and Reasoning 2016 03 Mar 2017 (Morning Session) .....	392 – 401
General Intelligence and Reasoning 2016 03 Mar 2017 (Evening Session) .....	402 – 411
General Intelligence and Reasoning 2016 04 Mar 2017 (Morning Session) .....	412 – 421
General Intelligence and Reasoning 2016 04 Mar 2017 (Evening Session) .....	422 – 431
General Intelligence and Reasoning 2017 22 Jan 2018 (Morning Session) .....	432 – 442
General Intelligence and Reasoning 2017 22 Jan 2018 (Evening Session) .....	443 – 452
General Intelligence and Reasoning 2017 23 Jan 2018 (Morning Session) .....	453 – 463
General Intelligence and Reasoning 2017 23 Jan 2018 (Evening Session) .....	464 – 474
General Intelligence and Reasoning 2017 24 Jan 2018 (Morning Session) .....	475 – 484
General Intelligence and Reasoning 2017 24 Jan 2018 (Evening Session) .....	485 – 494
General Intelligence and Reasoning 2017 25 Jan 2018 (Morning Session) .....	495 – 504
General Intelligence and Reasoning 2017 25 Jan 2018 (Evening Session) .....	505 – 513
General Intelligence and Reasoning 2017 27 Jan 2018 (Morning Session) .....	514 – 523
General Intelligence and Reasoning 2017 27 Jan 2018 (Evening Session) .....	524 – 533
General Intelligence and Reasoning 2017 29 Jan 2018 (Morning Session) .....	534 – 543
General Intelligence and Reasoning 2017 29 Jan 2018 (Evening Session) .....	544 – 553



1. One of the objectives of 1956 Industrial Policy Resolution was to control
  - (a) Misuse of electricity in industries.
  - (b) Migration of labour from agriculture to industry.
  - (c) Entry of private entrepreneurs in key and strategic industries.
  - (d) Flight of capital from domestic to foreign industries.
2. How many members are to be present in Lok Sabha to make complete the quorum?
  - (a)  $\frac{1}{2}$  of the total members
  - (b)  $\frac{1}{3}$  of the total members
  - (c)  $\frac{1}{10}$ th of the total members
  - (d)  $\frac{1}{4}$ th of the total members
3. Which is the strongest second chamber of the World?
  - (a) House of Lords (b) Senate
  - (c) Rajya Sabha (d) Duma
4. On which river is Pochampad project constructed?
  - (a) Krishna (b) Godavari
  - (c) Kosi (d) Tungabhadra
5. Which of the following volcano is known as the 'lighthouse of the Mediterranean'?
  - (a) Mt. Vesuvius (b) Mt. Pelee
  - (c) Mt. Stromboli (d) Mt. Fuji
6. Of the power stations at the following places which one is a nuclear power stations?
  - (a) Ramagundam (b) Tarapur
  - (c) Neyveli (d) Barauni
7. Which of the following cell phone service providers uses CDMA technology?
  - (a) Airtel (b) BPL
  - (c) Idea (d) Dolphin
8. Which from the ancient temples at the following places was built during the Chalukyan regime?
  - (a) Sanchi (b) Bhitragoan
  - (c) Bodhgaya (d) Badami
9. Identify the Navaratna Company among the following
  - (a) BSNL (b) LIC
  - (c) GAIL (d) Reliance Petroleum
10. When was the first air-conditioned train introduced in India?
  - (a) 1956 (b) 1948
  - (c) 1969 (d) 1975
11. In the private sector there are life insurance companies as joint ventures between Indian and foreign entities. Correlate the Indian entities with their partner foreign companies.
 

**Indian entities**

  - (a) ICICI (b) Kotak Mahindra
  - (c) Tata (d) HDFC

**Foreign Companies**

  - (1) Old Mutual (2) AIG
  - (3) Prudential (4) Standard and Life

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

## ANSWER KEY

1. (c)	6. (b)	11. (d)	16. (c)	21. (a)
2. (c)	7. (*)	12. (b)	17. (a)	22. (a)
3. (b)	8. (d)	13. (a)	18. (c)	23. (a)
4. (b)	9. (c)	14. (b)	19. (a)	24. (b)
5. (c)	10. (a)	15. (d)	20. (b)	25. (a)

## EXPLANATIONS

**Sol-1: (c)**

According to the Policy, 17 Industries such as arms and ammunition, atomic energy, iron and steel, heavy machinery, mineral oil, coal etc. would be set up only be the state.

**Sol-2: (c)**

Quorum is the minimum attendance of the members required for a proceeding of any house to begin. Its is one tenth of the total strength of the House.

**Sol-3: (b)**

Senate of USA is the most Powerful Second Chamber in the World

**Sol-4: (b)**

Pochampadu dam, also called as Sri Ram Sagar project is multipurpose dam constructed across Godavari river and considered as a lifeline for north Telangana.

Other Major project on river Godavari are:

1. Gangapur Dam in Maharashtra
2. Jayakwadi Dam in Maharashtra
3. Babli Barrage in Maharashtra
4. Dowleshwaram Barrage in Andhra Pradesh
5. Dummugudem barrage in Telangana
6. Vishnupuri Barrage in Maharashtra
7. Sriram Sagar project in Telangana
8. Polavaram project in Andhra Pradesh

9. Kaleshwaram lift irrigation project in Telangana
10. Devadula irrigation scheme in Telangana
11. Icchampally project in Telangana
12. Sripada Yellampalli project in Telangana

**Sol-5: (c)**

**Mt. Stromboli** is the lighthouse of Mediterranean sea. It is one of the most active volcanoes in the world which has been in continuous eruption for the past 2000 years, which is the longest known in the world.

**Mt. Vesuvius** is a sommastrato volcano located on the Gulf of Naples in Italy.

**Mt. Pelee** is an active volcano on the Caribbean Island of Martinique.

**Mt. Fuji** is an active volcano about 100 kms south-west of Tokyo.

**Sol-6: (b)**

- Tarapur Atomic Power Station (TAPS) is located in Tarapur, Maharashtra. It was the first commercial nuclear power station built in India.
- Ramagundam, Neyveli, Barauni are thermal power stations.

**Sol-7: (\*)**

Code Division Multiple Access (CDMA) is a sort of multiplexing that facilitates various signals to occupy a single transmission channel. It optimizes the use of available bandwidth. The technology is commonly used in ultra-high-

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