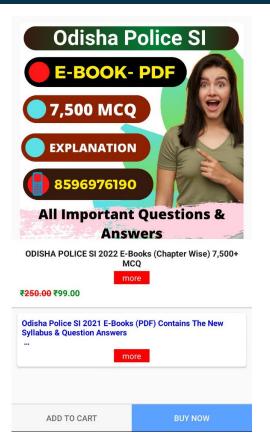
# **Download Tech Of World App**





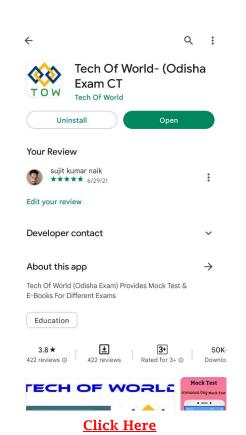


#### Click Here

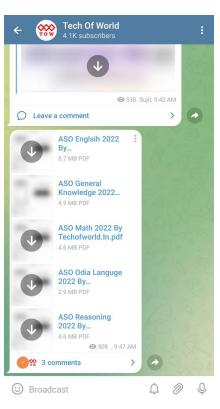


**Click Here** 

#### Click Here



Click Here



Click Here

# SUI, GPEO, PA (Prelim) - 2015 - Set - 1 GS 33611

# : INSTRUCTIONS TO CANDIDATES :

THIS BOOKLET CONTAINS 100 QUESTIONS OF 1 MARKS EACH IN 23 PAGES.
PLEASE CHECK THE QUESTION-SET BEFORE USE. IF ANY DEFECTS ARE
NOTICED, PLEASE BRING IT TO THE NOTICE OF THE INVIGILATOR.

- 1. Read the instructions carefully before using the OMR answer sheet provided.
- Fill in Part A of the OMR answer sheet first, mentioning the Roll No. and other data
  as applicable in the place(s) indicated therein and darken the appropriate circles in
  blue or black ball point pen only.
- While darkening the circle in Part B of the OMR answer sheet, use blue or black ball point pen only.
- 4. Do not write any name/surname or put any symbol, sign, slogan, prayer or any mark of identification in Part B of the OMR answer sheet. Any such act is liable to render the answer sheet unfit for evaluation.
- Do not use any other form except the OMR answer sheet provided along with the question-set.
- 6. Do not tamper with the bar code or any other portion of the OMR answer sheet.
- Candidates may use the blank sheet attached to these instructions for doing the rough work, if needed.
- 8. Do not attach any additional sheet or paper to the OMR answer sheet.
- Return the OMR answer sheet only to the Invigilator before leaving the examination hall.
- Candidates may take with them the respective question-sets after the examination is over.
- 11. Mobile Phone or any Communication Devices is not allowed inside the Examination Hall. The candidates are strictly advised not to carry any Mobile Phone or Communication Devices with them into the Examination Hall. Any candidate who is in possession of Mobile Phone/Communication Devices inside the hall is liable to be debarred from the valuation of his/her answer paper.
- 12. Violation of these instructions shall entail disqualification of the candidate.

# SUI, GPEO, PA (Prelim) – 2015 – Set – 1 GS

Time: 1 1 Hours

Full Marks: 100

Each question carries 1 marks.

Answer all questions.

Answer all questions, choosing the correct one from the alternatives suggested and darken the appropriate circle using BLUE or BLACK BALL POINT PEN.

- Who has been awarded with the Sveriges Riksbank Prize in Economic Sciences in memory of Alfred Nobel for the year 2015?
  - (1) Angus Deaton
  - (2) Aziz Sancar
  - (3) Paul Modrich
  - (4) Tomas Lindahl
  - (5) Youyou Tu
- 2. Which of the following awards received by Mr. Kailash Satyarthi has been conferred on him off late, in October 2015?
  - (1) Medal of the Italian Senate
  - (2) Nobel Peace Prize
  - (3) Robert F. Kennedy Human Rights Award

- (4) Harvard 'Humanitarian of the Year' Title
- (5) Defenders of Democracy
  Award
- Which nation is going to host the ensuing Non-Aligned Movement Summit?
  - (1) Cuba
  - (2) Egypt
  - (3) Iran
  - (4) Malaysia
  - (5) Venezuela
- 4. In which district is Amaravati, the newly planned capital city of Andhra Pradesh, coming up?
  - (1) Guntur
  - (2) Krishna
  - (3) Ongole
  - (4) Prakasam
  - (5) West Godavari

- Which of the following days is 5. observed as a World Day on the 14th November?
  - World Diabetes Day (1)
  - World Pneumonia Day (2)
  - World Television Day (3)
  - World Toilet Day (4)
  - World Vegan Day (5)
- Which severe tropical cyclone had hit 6. Phillipines in October 2015?
  - Ignacio (1)
  - (2)Koppu
  - Nora (3)
  - (4) Olaf
  - Patricia (5)
- In which of the following cities the first 7. ever day-night Test Cricket match was played between Australia and New Zealand?
  - Perth (1)
  - Melbourne (2)
  - Adelaide (3)
  - (4)Brisbane
  - Sydney (5)

- Which is currently the largest 8. passenger aircraft in the world?
  - Airbus A380-800 (1)
  - Airbus A340-600 (2)
  - Antonov An-225 (3)
  - **Boeing 747-8** (4)
  - Boeing 747 "Dreamlifter" (5)
- Who has translated the famous novel 9. "Uncle Tom's Cabin" into Odia titled as "Tamakakanka Kutira"?
  - Fakir Mohan Senapati (1)
  - Gourishankar Ray (2)
  - Madhu Sudan Rao (3)
  - Radha Mohan Gadnayak (4)
  - Udayanath Sarangi (5)
- Who is the author of the Odia 10. travelogue "Swapnara Alaska"?
  - Bhupen Mohapatra (1)
  - Binod Kanungo (2)
  - Manoj Das (3)
  - (4) Pratibha Ray
  - Sradhakar Supakar (5)







- The following have the same acronym 11. 'FOL' Which one does refer to a **Buddhist Festival?** 
  - Feast of Lanterns (1)
  - Feel Our Love (2)
  - Festival of Lakes (3)
  - Flash of Light (4)
  - Flavor of Love (5)
- 12. Which of the following pairs of 'Durga Mata' temples and their locations is not correctly matched?
  - Chamundeswari Mysore (1)
  - (2)Kamakshya - Guwahati
  - Kanak Duga Vijaywada (3)
  - Maa Bamleswari Dongargarh (4)
  - Manasa Devi Shimla (5)
- 13. Which of the following tribal groups mainly inhabit in Central Part of India?
  - (1)**Bhils**
  - Chenchus (2)
  - Gonds (3)
  - Mundas (4)
  - Santhals (5)

- 14. Which of the following Microsoft Excel number formats shall return the figure 25 as 2.50E + 01?
  - Accounting (1)
  - Currency (2)
  - Fraction (3)
  - Percentage (4)
  - Scientific (5)
- Which of the keys does help in 15. checking the spellings and grammar of text in a Microsoft Word document?
  - Alt + F1 . (1)
  - Alt + F7 (2)
  - (3)Ctrl + [
  - F1 (4)
  - F7 (5)
- Which of the following programming 16. languages is used to create 'applets' to be placed on a web page?
  - (1) C++
  - COBOL (2)
  - Java (3)
  - Pascal (4)
  - Visual Basic (5)





- 17. Why do the rain bearing clouds have a dark colour?
  - They absorb all sunlight falling on them
  - (2) They absorb all terrestrial radiation
  - (3) The condensed water droplets are saturated with dust particles
  - (4) They scatter all sunlight falling on them
  - (5) They reflect back all sunlight falling on them
- 18. We notice a spark while pulling out the electrical plug of an appliance. Which of the following properties of the appliance is responsible for this?
  - (1) Capacitance
  - (2) Conductance
  - (3) Inductance
  - (4) Resistance
  - (5) Wattage
- 19. Match the quantities in Column A with their units in Column B and select the correct set of answers?

Column - A

Column - B

- (a) Heat
- (i) Candela
- (b) Luminous flux
- (ii) Decibel

### Column - A

Column - B

- (c) Magnetic intensity
- (iii) Joule
- (d) Temperature
- (iv) Kelvin
- (e) Viscosity
- (v) Orsted
- (vi) Poise

	(a)	(b)	(c)	(d)	(e)
1	iii	ii	V	iv	i
2	iii	ì	ii'	iv	vi
3	iii	i	٧	ii	vi
4	iii	i	٧	iv	vi
5	ii	i	V	iv	vi

- 20. Which of the following principles /
  laws is applicable in the case of
  blowing away of roofs of the housesby a cyclonic storm?
  - (1) Archimedes' principle
  - (2) Bernoulli's principle
  - (3) Law of Inertia
  - (4) Newton's 1st law of motion
  - (5) Pascal's law
- 21. Which of the following is responsible for the formation of mirage in the desert?
  - (1) Refraction
  - (2) Total internal reflection
  - (3) Reflection
  - (4) Diffraction
  - (5) Polarisation





- 22. What is the function of heavy water in a nuclear reactor?
  - (1) It cools down the reactor
  - (2) It enhances the speed of neutrons
  - (3) It heats up the reactor
  - (4) It slows down the speed of neutrons
  - (5) It stops the nuclear reaction
- 23. Which one is the densest of the elements?
  - (1) Iridium
  - (2) Osmium
  - (3) Platinum
  - (4) Rhenium
  - (5) Uranium
- 24. What are the atoms having same number of neutrons called?
  - (1) Isobars
  - (2) Isomers
  - (3) Isosters
  - (4) Isotones
  - (5) Isotopes
- 25. Which of the following is not true for the cathode rays?
  - (1) They are deflected by magnetic field

- (2) They are positively charged
- (3) They cause mechanical motion
- (4) They produce heating effect
- (5) They travel in straight lines
- 26. Match the name of the compounds in Column – A with their chemical names in Column – B and select the correct set of answers :

## Column - A

Column - B

- (a) Bleaching powder
- (i) Calcium

Oxychloride '

- (b) Caustic potash
- (ii) Calcium

sulphate

- (c) Dry ice
- (iii) Carbon

dioxide

- (d) Plaster of Paris
- (iv) Magnesium

sulphate

- (e) Rock salt
- (v) Potassium

Hydroxide

(vi) Sodium

chloride

	(a)	(b)	(c)	(d)	(e)
1	i	, v	iii	ii	iv
2	. j	٧	iii	ii≁	vi
3	i	٧	iii	iv	vi
4	i	٧	iv	ii	vi
5	iv	vi	iii	ii	٧







- 27. Which of the following processes is used to prepare industrial hydrogen?
  - (1) Bayer process
  - (2) Bessemer process
  - (3) Bosch process
  - (4) Down process
  - (5) Haber process
- 28. The cells in which of the following organs in the human body are the smallest?
  - (1) Brain
  - (2) Kidney
  - (3) Liver
  - (4) Spleen
  - (5) Tongue
- 29. Which one of the following is the primary sex organ in the females?
  - (1) Fallopian tubes
  - (2) Mammary glands
  - (3) Ovary
  - (4) Uterus
  - (5) Vulva
- 30. Following terms are related to human teeth. Distinguish the odd one out:
  - (1) Canines
  - (2) Incisors

- (3) Enamel
- (4) Molars
- (5) Premolars
- 31. For correcting which of the defects of eye is bifocal lens used?
  - (1) Cataract
  - (2) Glaucoma
  - (3) Hypermetropia
  - (4) Myopia
  - (5) Presbiopia
- 32. To which of the following types of plants do the mangrove trees belong?
  - (1) Epiphytes
  - (2) Halophytes
  - (3) Heliophytes
  - (4) Hydrophytes
  - (5) Sciophytes
- 33. Where was the High-level International Conference on "Climate Change", 2015 held?
  - (1) Bonn
  - (2) Johannesburg
  - (3) Kyoto
  - (4) Rio de Jeneiro
  - (5) Stockholm







- 34. Which pair of the following photochemical pollutants are aromatics?
  - (1) Aldehydes and Ozone
  - (2)Aldehydes and Olefins
  - (3)Olefins and PB,N
  - (4) Ozone and PAN
  - (5)PAN and PB<sub>N</sub>
- 35. The functional role of an organism in an ecosystem is known as:
  - (1) Ecad
  - (2)**Ecesis**
  - (3)Ecological niche
  - (4)Standing crop
  - (5)Standing state
- 36. Which of the following was not a feature of the Rigvedic period in India?
  - (1) The Rigvedic Aryans were by and large urban people
  - (2) The Rigvedic family comprised husband and wife, parents and other kith and kin
  - (3)The Rigvedic people worshipped nature

- (4)The Rigvedic society was mainly pastoral with evidence of agriculture
- (5) The Rigvedic women were outspoken as well as highly respected
- 37. Which of the following Mahajanapadas was located in Dakshinapatha on the banks of River Godavari?
  - (1)Anga
  - (2)Asaka
  - (3)Malla
  - (4)Matsya
  - (5)Vajji
- 38. Who among the following emperors of Ancient India was known as "Amitraghata", i.e., the 'destroyer of foes'?
  - (1) Ajatashatru
  - (2) Bindusara
  - (3)Chandragupta Maurya
  - (4)Kaniska
  - (5)Samudragupta







- 39. 'Rudradaman' was one of the greatest rulers of Ancient India. To which of the following dynasty did he belong?
  - (1) Kushanas
  - (2) Mauryas
  - (3) Pallavas
  - (4) Sakas
  - (5) Sungas
- 40. To which of the following do the three terms Nagara, Dravida and Vesara refer?
  - (1) Dance schools of Ancient India
  - (2) Linguistic divisions of Ancient India
  - (3) Musical Gharanas of Ancient India
  - (4) Racial groups of Ancient India
  - (5) Styles of temple architecture in Ancient India
  - 41. Which of the following was not the principle of the Bhakti Movement?
    - (1) Bhakti, intense love and devotion, only way to salvation
    - (2) Observance of rituals and ceremonies
    - (3) Rejection of idol worship by many saints

- (4) Self-surrender
- (5) Unity of God
- 42. Which of the following pairs is incorrectly matched?
  - (1) Adil Shahi Bijapur
  - (2) Barid Shahi Bidar
  - (3) Imad Shahi Berar
  - (4) Nizam Shahi Ahmednagar
  - (5) Qutub Shahi Aurangabad
- 43. Which of the following architectural structures is not a Mughal Creation?
  - (1) Hawa Mahal
  - (2) Buland Darwaza
  - (3) Lal Quila
  - (4) Panch Mahal
  - (5) Taaz Mahal
  - 44. Which of the following forts was constructed by Langula Narasingha Deba, the ruler of Ganga Dynasty in Odisha?
    - (1) Barabati
    - (2) Chudanga Gada
    - (3) Jaugada
    - (4) Raibania
    - (5) Sishupalagarh





- 45. Who commanded the Maratha Army in the third Battle of Panipat?
  - (1) Dattaji Sindhia
  - (2) Malhar Rao Holkar
  - (3) Peshwa Madhab Rao
  - (4) Sadasiv Rao Bhau
  - (5) Vishwas Rao
- 46. Which of the following battles and corresponding treaties is not correctly matched?
  - (1) The First Anglo-Burmese War –
    Treaty of Bhamo
  - (2) The First Anglo-Sikh War Treaty of Lahore
  - (3) The First Maratha War Treaty of Salbai
  - (4) The Third Carnatic War –
    Treaty of Paris
  - (5) The Third Mysore War Treaty
    of Srirangapatnam
- 47. What is the correct chronological sequence of the following 'Viceroys' of British India?
  - (a) Lord Linlithgow
  - (b) Lord Mountbatten

- (c) Lord Wavell
- (d) Lord Willingdon
- (1) (a); (b); (c); (d)
- (2) (a); (d); (c); (b)
- (3) (c); (a); (d); (b)
- (4) (d); (a); (c); (b)
- (5) (d); (c); (a); (b)
- 48. Which of the following Sessions of Indian National Congress is memorable for its resolution on Fundamental Rights?
  - (1) The Gauhati Session, 1926
  - (2) The Madras Session, 1927
  - (3) The Calcutta Session, 1929
  - (4) The Karachi Session, 1931
  - (5) The Bombay Session, 1934
- 49. Which among the following places in India can be identified on the map by the location 20° 15' N and 85° 52' E?
  - (1) Bhubaneswar
  - (2) Kolkata
  - (3). Raipur
  - (4) Ranchi
  - (5) Vishakhapatnam





- Which of the following rivers is 50. different from the other four in terms of its confluence with the river Ganga?
  - The Gandak (1)
  - The Ghaggar (2)
  - The Kali (3)
  - The Koshi (4)
  - The Son (5)
  - 51. Which of the following islands in India is not formed by the corals?
    - The Barren (1)
    - The Car Nicobar (2)
    - The Catchal (3)
    - The Kavaratti (4)
    - The Minicoy (5)
    - Which of the Indian States has the 52. longest coastline?
      - Andhra Pradesh (1)
      - Gujarat (2)
      - Karnataka (3)
      - Maharashtra (4)
      - Odisha (5)
      - 53. Distinguish the odd one out:
        - The Anaimudi (1)
        - The Kanchenjunga (2)

- The Namcha Barwa (3)
- The Nanda Devi (4)
- The Trishul (5)
- Which of the following trees is not 54. found in the monsoon forests of India?
  - Laurel (1)
  - Poplar (2)
  - Rosewood (3)
  - Sal (4)
  - Teak (5)
  - Which country has the largest area 55. in the world?
    - Brazil (1)
    - Canada (2)
    - China (3)
    - Russia (4)
    - **United States** (5)
    - Which of the following iron and steel 56. plants is different from the other four on the basis of its time period of establishment?
      - **Bhadravati** (1)
      - Bumpur (2)
      - Jamshedpur (3)
      - Kulti (4)
      - Vijayanagar (5)

Contd.

- Which soils cover the largest area in 57. India?
  - (1)Alluvial
  - (2)Black
  - (3)Desert
  - Lateritic (4)
  - (5)Red and Yellow
- 58. Which of the following pairs is incorrectly matched?
  - The Chambal Maharana (1) Pratap Sagar
  - (2)The Kaveri - Krishna Raja Sagar
  - (3)The Koyena - Sivasagar
  - The Narmada Indira Sagar (4)
  - (5)The Sutlei - Govind Sagar
- 59. Which of the following Railway zones is different from the other four in terms of its status?
  - (1) East Coast Railways
  - (2)Konkan Railways
  - (3)South East Central Railways
  - (4) South Western Railways
  - West Central Railways (5)

- 60. Which of the following is an artificial port in India?
  - Kochi (1)
  - (2)Mumbai
  - (3)Panambur
  - Paradip (4)
  - Vishakhapatnam (5)
- 61. Who among the following is not appointed by the President?
  - (1) Chairman, Rajya Sabha
  - (2)Chairman, Union Public Service Commission
  - (3)Comptroller and Auditor General
  - (4)Chief Election Commissioner
  - (5)Chief Justice of the Supreme Court
- 62. What is the minimum age for election / appointment as a member of the Rajya Sabha?
  - 21 (1)
  - (2)25
  - 30 (3)
  - (4) 35
  - (5)40







- 63. What fraction of the total membership of the house is the required quorum to hold meetings of the Legislative Assemblies?
  - (1)  $\frac{1}{3}$
  - (2)  $\frac{1}{4}$
  - (3)  $\frac{1}{5}$
  - (4)  $\frac{1}{6}$
  - (5)  $\frac{1}{10}$
- 64. Which of the following Articles of the Indian Constitution refers to proclamation of Financial Emergency?
  - (1) Article 352
  - (2) Article 356
  - (3) Article 358
  - (4) Article 360
  - (5) Article 370
- 65. Which of the following does not come under "Citizenship by registration" in India?
  - (1) A foreigner having normally resided in India for at least 10 years immediately before making an application

- (2) Minor children of persons who are citizens of India
- (3) Persons of Indian origin who are ordinarily resident in any country or place outside India
- (4) Persons of Indian origin who are ordinarily resident in India for five years immediately before making an application
- (5) Women of foreign origin those who are married to citizens of India
- 66. Which of the following statements about the Attorney General of India is not true?
  - (1) A person qualified to become a Supreme Court Judge can become the Attorney General
  - (2) He is appointed by the President
  - (3) He can take part in the proceedings of the Parliament and its committees
  - (4) He is not allowed to take up private practice
  - (5) He is the highest legal officer of the Union Government

- 67. In which state of India is the "Fundamental Rights to Property" in vogue?
  - (1) Arunachal Pradesh
  - (2) Goa
  - (3) Jammu and Kashmir
  - (4) Nagaland
  - (5) Sikkim
- 68. The words "Satyameba Jayate" has been inscribed below the abacus in the National Emblem of India. From which of the following scriptures has this been adopted?
  - (1) Aitareya Upanishad
  - (2) Isha Upanishad
  - (3) Maitrayani Upanishad
  - (4) Mundaka Upanishad
  - (5) Prashna Upanishad
- 69. Who among the following is statuswise different from the other four as per the Table of Precedence of the Government of India?
  - (1) Chairman, Central
    Administrative Tribunal
  - (2) Chairman, Minorities
    Commission

- (3) Chairman, Monopolies and Restrictive Trade Practices
  Commission
- (4) Chairman, Scheduled Caste and Scheduled Tribe Commission
- (5) Chairman, Union Public Service Commission
- 70. During which Five Year Plan was the "Scheme of Integrated Development of Small and Medium Towns" launched in India?
  - (1) Fourth Plan
  - (2) Fifth Plan
  - (3) Sixth Plan
  - (4) Eighth Plan
  - (5) Tenth Plan
- 71. Which of the following is the 'unemployment during the recessionary phase of a trade cycle'?
  - (1) Cyclical unemployment
  - (2) Disguised unemployment
  - (3) Frictional unemployment
  - (4) Institutional unemployment
  - (5) Voluntary unemployment

- Who among the following can 72. take benefit from the Social Security Fund established by Government of India for unorganized workers?
  - Hawkers in public transport (1) vehicles
  - Labourers in construction (2)work
  - Labourers in Textile Mills (3)
  - Rickshaw pullers (4)
  - Workers in the Sugar Mills (5)
  - Which of the following new series of coins put in circulation in India w.e.f. 2011, are the legal tender?
    - 50 paise (1)
    - One rupee (2)
    - Two rupees (3)
    - Five rupees (4)
    - Ten rupees (5)
    - Which of the following places does not have a regional office of the Reserve Bank of India?
      - Aizawl (1)

- Dehradun (2)
- Jammu  $\cdot$ (3)
- Kochi (4)
- Vishakhapatnam (5)
- Which of the following incomes 75. is chargeable to Income Tax in India?
  - Agricultural income (1)
  - Income from gratuity of a (2)government employee
  - Profit or gains from the transfer (3)of capital assets
  - Receipts from Hindu undivided (4) family
  - Shares from a partnership firm (5)
  - Identify the bank that is different from 76. the other four in terms of its management?
    - Axis Bank (1)
    - **HDFC Bank** (2)
    - ICICI Bank (3)
    - IDBI Bank (4)
    - IDFC Bank (5)





- 77. Which one of the following CPSUs in India is not a 'Maharatna' Company?
  - (1) Bharat Heavy Electricals Ltd.
  - (2) Coal India Ltd.
  - (3) Indian Oil Corporation Ltd.
  - (4) Oil India Ltd.
  - (5) Steel Authority of India Ltd.
- 78. Which State in India is the most urbanised as per the 2011 Census?
  - (1) Gujarat
  - (2) Kerala
  - (3) Maharashtra
  - (4) Tamil Nadu
  - (5) Telengana
- 79. What is the sum total of all the numbers from 101 to 200?
  - (1) 5050
  - (2) 10050
  - (3) 15050
  - (4) 18050
  - (5) 20100

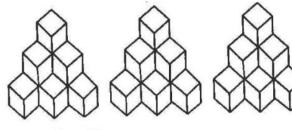
- 80. The square root of which of the following numbers is an integer?
  - (1) 3625
  - (2) 4925
  - (3) 6225
  - (4) 6425
  - (5) 8125
- 81. The sum total of the ages of the son and his father is 58 years. If 7 years after the ratio of the ages of son and father will be 1:3, then what is the age of son now?
  - (1) 9
  - (2) 10
  - (3) 11
  - (4) 12
  - (5) 13
- 82. Which of the following figures is exactly divisible by 39?
  - (1) 22885
  - (2) 25584
  - (3) 26609
  - (4) 27636
  - (5) 28015







83. How many cubes are there in the following figure ?



- (1) 18
- (2) 21
- (3) 24
- (4) 27
- (5) 30
- 84. In a financial institution any amount kept in fixed deposit for five years matures to double the amount. If a person had invested Rs. 4,000/- in each of the years 2001, 2006 and 2011, what is the total amount he will get in 2016?
  - (1) Rs. 24000
  - (2) Rs. 28000
  - (3) Rs. 40000
  - (4) Rs. 56000
  - (5) Rs. 76000
  - 85. Which of the following values of x and y would not yield integers for the following term?

$$\sqrt{(x^2+y^2)}$$

(1) 10 and 24

- (2) 12 and 16
- (3) 15 and 20
- (4) 16 and 30
- (5) 20 and 32
- 86. What is the value of x in the following equation?

$$5x^2 - 75x = 380$$

- (1) 4
- (2) 7
- (3) 15
- (4) 19
- (5) 23
- of 20 cm and 30 cm. What is the maximum number of circles of radius 1 cm can be drawn within the rectangle without intersecting each other?
  - (1) 150
  - (2) 180
  - (3) 190
  - (4) 191
  - (5) 200





- 88. A job was assigned to Ranjan, Deba and Brundaban on wage contract of Rs. 1058. If Ranjan and Deba together complete 19/23 part of the work and the rest of the work is completed by Deba and Brundaban, then how much wage is Ranjan going to get?
  - (1) Rs. 92
  - (2) Rs. 345
  - (3) Rs. 437
  - (4) Rs. 529
  - (5) Rs. 613
- 89. The total emoluments of Chinmay and Manish per month are the same. However, they get allowances on their basic pays at the rate of 65% and 80% respectively. What is the ratio between their basic pays?
  - (1) 7:5
  - (2) 10:9
  - (3) 11:10
  - (4) 12:11
  - (5) 13:12
- 90. A 10 rupee coin is placed on a flat surface. If few more 10 rupee coins are to be placed encircling around it

- such that each coin touches the adjacent one, then how many more coins are required?
- (1) Five
- (2) Six
- (3) Seven
- (4) Eight
- (5) Ten
- 91. The interior angles of which of the following regular polygons is 140° each?
  - (1) Hexagon
  - (2) Heptagon
  - (3) Octagon
  - (4) Nonagon
  - (5) Decagon
- 92. A 150 m long express train crosses a electric pole in 15 seconds and a train of same length moving in opposite direction in 8 seconds. What is the speed of the second train?
  - (1) 96 km/hour
  - (2) 97 km/hour
  - (3) 98 km/hour
  - (4) 99 km/hour
  - (5) 100 km/hour





The X and Y coordinates of six points on a graph are given below. Which point is at the least distance from the point 'O'?

Points	X-	Coc	ordinates	Y-Coordi	nates
0			48	41	
Р			21	38	
Q			21	39	l.
R			20	40	)
s			20	41	1
Т			19	4	1
(1	)	P			
(2	2)	Q			
(3	3)	R			
(4	4)	S			
(	5)	Т			

- 94. Two circles touch internally. The difference between their areas is 1120  $\pi$  cm<sup>2</sup> and the distance between their centres is 28 cm. What is the radius of the larger circle?
  - 24 cm (1)
  - (2)28 cm
  - 30 cm (3)
  - 34 cm (4)
  - 40 cm (5)

95. Find the missing number in the following series.

- 127 (1)
- 142 (2)
- 151 (3)
- 163 (4)
- 176 (5)
- 96. If in a coded language DREAM is written as ETHER, then what will be the coded word for COMBAT?
  - (1) DQPFFA
  - **DPOFFZ** (2)
  - DOPFEZ (3)
  - **DQPFFZ** (4)
  - **EQPFFZ** (5)
  - What is the angle between 97. the minute hand and the hour hand at 3.30 P.M., measured clockwise?
    - 75° (1)
    - 90° (2)
    - 240° (3)
    - 270° (4)
    - 285° (5)





- 98. A wholsaler mixed groundnut oil and rape seed oil in the proportion of 7:5. A retailer purchased some quantity of the admixture from the wholesaler, from which he took out 9 litres and added similar amount of rape seed oil. If the ratio of the two oils now becomes 7:9, then what was the quantity purchased by the retailer from the wholesaler?
  - (1)24 litres
  - (2)30 litres
  - (3)36 litres
  - (4)42 litres
  - (5)48 litres
- Gandhi Jayanti was celebrated on 99. the 2<sup>nd</sup> October, 2015, which was a Friday. What will be the week day on which Gandhi Jayanti will fall in the year 2025 ?
  - (1) Sunday
  - (2)Monday

- (3)Tuesday
- Thursday (4)
- Friday (5)
- 100. Bikram starts moving from a point A towards west by 20 metres and reaches point B, from where he moves to the right for 35 meters to reach point C. He then turns east by 50 meters to point D and then moves right by 65 meters to point E. From the point E he moves west by 30 meters to reach the destination F. On which direction of point F is point A?
  - (1) North
  - (2)South
  - (3)East
  - (4) West
  - South-West (5)



