## GENERAL STUDIES

Directions [1 - 10] The fellowing ten [10] items are on English out have Hindi Version.

1. What is the indication out of Toque him a piece of my mind?

(1) Appreciation (2) Warning (3) Greetinal

- 2. What is the meaning of the expression :

  - water
  - (2) Sap of teak wood
  - (3) An aristorrat
  - (4) A coathy object
- 3. He was hold by his own pe-
  - (1) He had problems as a result of his own plans to hurt others
  - (2) He was high up on the pole
  - 150 He secold usually run away frem trouble
  - (4) He was indifferent to his surroundings
- 4. What is a Ballad 2

  - (2) A historical narvetion
  - (3) A popular story or folktale
  - (4) Musical comedy
- 5. Plagiarism means
  - (1) There was an epidemic of clonue in the area.
  - (2) It is a sort of political philosophy
  - ratin indicates a happy community spirit like in playand Holt
  - (4) It is presenting the work of someone che as one's own

- has become water under the
  - (1) The rivalry continues
  - (2) It has become a thing of the
  - (3) It connects the two class
  - (4) It is not forgotten
- 7. Consider the sentence : The teacher days me the book'.
- - 3 4 5 6 . . satures the woods are numbered for conventence of reference. Consider also the insertion of a storte word 'only' into this sentence to indicate a desired emphasis. Where shall this word he inserted if the empha-
  - (i) On the recipient
  - (iii) On the uniqueness of the

  - respectively lonly one at a
  - (1) (6 Between 3-4; (a) After 6;
  - [2] [0 Between 3-4: 00 Between 5-6: 010 Before 1
  - (310) Between 4-5; 00 Between 3-4:
  - on After 1
  - 4) 60 Between 2-3:
  - fal Between 4-5:
  - (iii) Between 1-9
  - a What is the meaning of the term 'didactic' ?
    - (1) Intended to be inspira-
    - (2) Teaching is moral lesson
    - (3) Received as comical
    - [4] Sharing an informative exceptions
  - 9. Consider the statement : The messaate of peace and brotherhood permeated the address

Which of the following is meant by 'permeate' in this

- (I) To advocate
- (3) To anchor and stability:
- (4) To leave a permanent impression
- 10. Arrange the following to form a grammatically correct sen-

  - b) although a great scientist [c] weak in Arithmetic 40 watht from his school days Select the correct answer us
    - ing the codes given below :
    - III.d. a. c and b

    - (4) b, c, a and d
- 11. What is the chronological se
  - a) First Battle of Panipat
  - Ind Masterman War
  - (c) French Bredution
  - id) First Gulf War tel World War I
  - Select the correct answer uning the ordes given below :
  - Illa, e, c, b and d
  - (2) c, a, e, d and b
  - Glic, a, d, e and b
  - idla. c. e. band d
- 12. A branch of scholarship that fourished in Europe, particeighteenth conturies, and was chronicling and classification of historic and non-organic relice, monuments and old texts refers to
  - (1) Archaeology
  - (2) History
  - 13) Architecture
  - (4) Anthewarianian
- 18. Which of the following state

- (a) Various types of movable property gifted to a woman on various occasions during her lifetime.
- (b) Various types of movable property gifted to a woman at the time of her first martiate.
- (c) On the woman's death, this wealth could be inhersted by her children and husband.
- (d) On the woman's death, this wealth could be inherited by her natural legally adopted children, with none of the son-in-law, having any claim on any part there of.
- Select the correct answer using the codes given below : (1) b and c only (2) b and d only (3) a and d only
  - (4) a and c only
- What is the number of States and Union Territories in India? (1) 29 and 6 (2) 28 and 7 (3) 29 and 7 (4) 28 and 6
- 15. Which of the following in not true of the Western Chats ?
  - UNESCO declared 39 places in the Western Ghats as 'World Heritage Sites' in 2012
  - (2) It is one of the eight hottest hotspots of biological diversity in the world
  - (3) It has two reserves and thirteen national parks
  - (4) ONGC surveys have recently found huge oil reserves
- Ayodhya is located at the bank of which river ?
  - (1) Palgo (2) Garaga (3) Sorva (4) Yarmana
- The Khilafat Committee accepted Mahatma Gandhi's suggestion for a non-violent non-cooperation protest against the Government in its meeting at (1) Bernhav (2) Narour
  - (1) Bombay (4) Kampur (3) Allahabad (4) Kampur

- 18. What is Know India Programme (KIP) ?
  - (1) A programme for children aged 12 - 15 years from rural areas to make them aware of different aspects of India.
  - (2) A programme that factlitates visits of rural teachers to different parts of the country
  - (3) An out-reach programme of the Miniatry of External Affairs to build closer ties with India's neighbourhood
  - (4) A programme for dissporayouth to promote awareness among them about different respects of India
- 19. What is the perimeter of the figure shown below ?



- (3) 54 cm (4) 58 cm 20. Special Economic Zones blic2) are developed to
  - Generate additional economic activity throughout the country
    - (2) Beautify suburban areas
    - (3) Upgrade the facilities in the countryside
    - (4) Promote investment from domestic and foreign sources
- Which of the following statements reflect the distinctive features about 6th century BCE Gamma or Sanghas ?
  - (a) The ancient Indian Ganas were oligarchies.
  - (b) The ancient Indian Ganas were non-monarchical states.
  - (c) Magadha, Kosala, Vatsa and Avanti were the most nonverful States of that era.

- (d) The procedures of the Bostdhist monastic order, (Sangha) were patterned on the Sansha publics.
- Select the correct answer using the codes given below 1 (1) a, b and c only
- (2) a, b, c and d
- (3) a. b and d only
- (4) c and d only
- What is the chronological sequence of the following developments ?
  - (a) Decline in the export of Indian cotton
  - (b) Cotton beem in India
  - (c) Civil War in America
  - Select the correct answer using the codes given helow :
  - [1] a. c and b
  - (2) b, c and a
  - (3) a, b and c
  - (4) b, a and c
- 23. Which of the following are the typical differences between the private insurance programmes and the social insurance programmes?
  - (a) Adequacy versus Equity
  - (b) Voluntary versus Mandatory Participation
  - (c) Contractual versus Statutory Rights
  - (d) Funding
  - Select the currect answer us-
  - ing the codes given below :
  - (1) a, b and c only (2) a, b and d only
  - (2) a. b and d or (3) c and d only
  - (4) a. b. c and d
- 24. 'Unbalanced' Growth is hypothested when
  - Expansion can take place annultaneously on several growth routes
  - (2) Supply of labour is fixed
    (3) Supply of capital is unlimited
  - (4) Active sectors need to, and do energize sluggish sectors
- Which of the following are incorporated in the Government approved National Telecom Policy, 2012 ?

- of two mestabits per second (b) India's regul tele-density to
- be improved from 30% to 20% in the next five years
- (c) Roaming charges aball be
- Select the correct answer using the codes given below : .
- (2) a and c only
- (30 b and c only (4) a, h and o
- 26. Which of the following is one of the Millennium Development Coals fixed by the UNO 7 (1) Halving extreme poverty

  - (2) Develop a new variety of feedgrains which can en-
  - (3) To ensure that population does not increase in the least developed countries
  - (4) Develop procedures towards ademuate and timely forewarming on hurricanes and
- 27. The term 'Carbon footprint
  - (1) A region which is rich in coal mines
  - (2) The amount of reduction in the emission of CO, by a
  - (3) The use of Carbon in manufacturing industries
  - (4) The amount of greenhouse stares produced by our dayto day activities
- 28. Amongst the following, who is the latest recipient of the "Bharot Ratna' award ?
  - (1) Sachin Tendulkar
  - (2) Atal Bihari Vajpayee
  - (3) Amartya Sen
  - (4) o. P.J. Abdul Kalem
- 29. 'Green Revolution' in India was expeditionaly feasible in mones of (1) High rainfall
  - (2) Moderate rginfall
  - (3) Assured irrigation
  - (4) Higher population density

- (a) Broadband for all with a | 30. What is Amartheid ? [1] An international organization of peace (4) A policy of ractal sourcea-
  - 31. Transportation plays a great role in any economy. Which of the following modes of transportation has the highest clas-(2) Rall
    - (3) Road (4) Waler
    - stary policy affect the rate of interest and level of income ?
      - (1) Raises the level of moome but lowers the rate of in-
      - (2) Raises the rate of interest but lowers the level of m-
      - (3) Raises both, the rate of interest and the level of m-
      - (ii) I course both, the rate of thterrest and the level of in-
  - 33. In a medium-size township. the trend of annual immigratree is an addition of 20% of the population as it was at the beginning: also 15% of the population as it was at the hestmains in estimated to relocate claesthere every year. If the current population is annon, what is the likely population three years hence?
    - (1) 90000 (2) 91200 131 92000 (4) 92610
  - 34. 'The Problem of Ropee' was whose DSc Thesis ? 11Se Avenhinde (7) Dr. Baiendra Prasad (3) Pt. Jawaharial Nehru
    - (4) Dr. B. R. Ambedkar
  - 35. What is the correct sequence en from West to East ? (1) Yamuna, Ghaghara, Son.
    - **Gandak** and Kost (2) Ohaghara, Yamuna, Oan
      - dak, Kosi and Son

- (N Yamuna, Ghachara, Gandak. Son and Kosi
- (4) Ghaghara, Yamuna, Kosi, Gondak and Son
- 36. There are two circles of radii r, and r, ir, < r.j. The area of

the bigger circle is 693 cm<sup>3</sup>.

- The difference of their circum Generation 22 cm. 187bat is the sum of the diameters of the two circles?
- 111 17 5 cm 191 92 cm 150 28 5 cm [4] 35 cm
- 37. Numbers a., a., a., a., a., ...
- a, are in arithmetic progresston and a + a + a + a + a ... + a ... + 0., = 225.
  - a, + a, + a, + a, + a, + ... a, + (1) 525
- 88. Under the Constitution of Instatements are correct? (a) The Constitution is su
  - preme.
  - (b) There is a clear division of powers between the Union and the State Opvernments.
  - (c) Amendments to the Connewseribed procedure
  - idi The Union Parliament and the State Legislatures are scorrigh.
  - ist The Preamble to the Constitution cannot be inunked to determine the ambit of Fundamental Righta.

Select the correct answer using the codes given below :

- (1) a, b, c, d and c
- (2) b, c and d only
- (3) a, d and e only
- (4) a. b and c only
- no. When the Government ownership in Public Sector Univerteletines is diluted, it is called (1) Privatization

  - (2) Public-Private Partnership
  - (%) Disinvestment

- 40. The Right to Free and Commul- I acros Education Art. 2009 pro-(115-13 years)
  - (2) 8-16 years

  - (4) 6-14 years
- 41. If the Prime Minister of India to a member of the Batya Sali-
  - (1) He can make statements only in the Raiva Sabha
  - (2) He has to become a memhas of the Lok Sabha with. in six months
  - on the budget in the Lole
  - (4) He will not be able to vote in his favour in the event of a no-confidence motion
- 49 Which one of the following formed the basic premise for developing the Indian Consti-
  - (1) The Government of India Act. 1035
  - (2) The U.S. Constitution
- 43. The Malimath Committee chorest looked at seven to referre
  - (1) Educational System in In-
  - (2) Criminal justice System in India
  - (5) Copyright Laws in India
  - (4) Public-Private Partnership in India
- 44. What are the diandyaniases of
  - tol Money is inadequate for risks occurring early in working life.
  - (b) Inflation crodes the real when of antitude
  - let it generates faceed motion that can be used to finance national development

Palace the correct answer us-

- (1) a prod h ingh-
- ittle and c coly
- (3) b and c only (4) a. b and c

- 45. Resides resistance to posts. what are the other prospects for which plants have been annetically engineered 7
  - (a) To enable them to withstand drought
  - (b) To increase the nutritive
  - ici To enable them to see sourceships and apace sta-1005
  - (d) To increase their shelf life and the codes styrn below : (i) a. h and c only
    - (2) c and d only
    - ISt a band d only

  - 48. Consider the following items :
    - (b) Gross private domestic in-
    - iel Goods and arryices pro-1/0 Net income from abroad Which of the above tierres are toploded to Chill 9

    - (2) a, b and d cals
    - Ol c and d cels
  - 47. Which of the following statetent of the theory of distribu-
    - (1) The distribution of income among different individuals
    - The distribution of income the State Gravemonthis
    - (2) The principle of last distrihutton of wealth and in-
    - (4) The distribution of income between the owners of factor resources
  - 48. The demand for a factor of production is said to be derived domgetd because
    - (a) It is a function of the profunbility of an enterodist
    - (b) It depends on the supply of complementary factors

- (c) it stems from the demand for the final product
- (d) It arises out of means heing scarce in relation to wonte
- which of the above reasons is/ - (1) a only
- 49. Whenever countries set up a Free Trade Area, they abolish all restrictions on trade among
  - (1) They establish a common mismal toriff on imports from outside countries
  - twos on imports from outaide countries
  - (3) They abolish all restrictions on imports from other Free Trade Areas
  - (4) Each country maintains Hs own set of tartiffs and quotas on imports from autorite
  - to which of the following are the functions of Poreian Investment Promotion Board (PIPB) ?
    - fall'h ensure expenditions for foreign investment
    - dd To sester periodically the implementation of the proposals cleared by the Board
    - let To undertake all other sctixttien for promoting and footballed FDI as creately ered necessary from time to
    - 40 To interact with the FIPC being constituted service
    - Select the correct answer using the codes given below :
    - (1) a. h and c only
    - (2) a b seid d only
    - (3) a. b. c and d (4) p and d only
  - AL. The term 'Dear Money' reform
    - Illow rate of interest on housens loans
    - 12) Value of money at the recession stage

- (3) High rate of interest
- (4) Savings gained due to decrease in rate of interest on housing loans
- 52. A certain sequence of integers is constructed as follows : Consider 0 and 1 as the first line numbers. The next 1 is
  - two numbers that hext, i.e., the third number is constructed by their sums, i.e., i. This process of constructing the next number by the sum of the last two constructed numbers continues. Taking these numbers 0, 1, 1 as the first, secend and third numbers in the sequence, what will be the 7th and 10th numbers, respectiveand 10th numbers.

(1) 6 and 30 (2) 7 and 33 (5) 8 and 34 (4) 10 and 39

- The Rangarajan Committee on disinvestment of shares in Public Sector Enterprises sugcented that
  - (a) The percentage of equity to be divested should be no more than 49% for industries explicitly reserved for the public sector and it about be either 74% or 100% for others.
  - (b) Year-wise targets of disinvestment should be maintained.

Which of the above statements

- 1s/are correct ?
- (1) a only
- (2) b only
- (3) Both a and b
- (4) Neither a nor b
- The Parliament can make any law for whole or any part of India for implementing international treaties
  - (1) With the consent of all the States
  - (2) With the consent of majority of the States
  - (3) With the consent of the States concerned
  - (4) Without the consent of
  - 55. In the study of pollution, SPM refers to

- (1) Sulphur Phosphorus Matter
- (2) Sulphur Particulate Matter
- (3) Solid Particulate Matter
- (4) Suspended Particulat Matter
- 56. Which of the following industries were first established during the British Rule in India ?
  - (1) Cotton Textile Industry: and Jute Industry
  - (2) Jute Industry; and Iron and Steel Industry
  - (3) Cotton Textile Industry: and Chemical Industry
  - (4) Jute Industry: and Chemi-
- 87. Which of the following are the roles of the Finance Commission in India 2
  - (a) The distribution of money collected through taxes
  - (b) Evaluation of Centrally sponsored schemes
  - (c) Evolve principles based on which funds are allotted among States

(d) To develop Five Year Plans Select the correct answer using the codes given below :

(1) a and d only

- (2) a and c only
- (Wh and d only
- (4) h and c only
- Which of the following statements are correct regarding the international Monetary Fund IMPI 7
  - (a) India is a founder member of the IMF.
  - (b) India's quota in the IMP is more than 4 percent.
  - (c) Finance Minister is represented ex-officio on the
  - (d) IMP conducts regular review of India's economic status under Article IV.

Select the correct answer using the codes given below : (1) a. b and c only (2) a. c and d only (3) b and d only

(4) a. b. c and d

 A firm is purchasing two items, both on credit on the same day. The credit term of-

fered for the first item is  $\frac{2\frac{1}{2}}{10}$ .

 $\frac{1}{20}$ , net 30; and the credit

item is  $\frac{3}{5}, \frac{2}{15}$ , net 30. The

- declared purchase cost of item 1 is Rs. 40,000 and third of item 2 is Rs. 1,40,000. If both credits can be settled on the 14th day, what will be the total amount to be paid out 2.
- (11 Ba. 1 97 200
- (21 Rs. 1 97 500
- (3) Rs. 1,96,900
- (4) Rs. 1.98.400
- 80. What was the position held by Dr. S. Radhakrishnan, before he became the Vice-President of India ?
  - (1) Ambassador to the U.S.A.
  - (2) Chairman, U.G.C.
  - (5) Chairman, Planning Commission
  - (4) Ambassador to the Soviet Union
- There are 20 girls and 30 boys in a class, and their respective average marks are found to be 55 and 58. The average marks of the entire class are (1) 56.5 [2] 56.6
   56.7 [4] 56.8
- 62. Consider an industry with the following features :
  - Budgeted monthly fixed cost - Bs 2.20,000
  - Normal monthly output = 12000 per standard labour boar
  - Standard variable overheid rate = Rs. 25 per labour hour What would be the total factory overhead rate ?
     Cu Ba 4D 33 or Labour hour
    - [1] per. 40.33 per integrit hour
      [2] Rs. 41.67 per labour hour
      [3] Ra. 42.67 per labour hour
      [4] 33 per labour hour

63. Arid rain is due to

(1) Solehor disade pollution 12) Carbon monoside pollu-

(3) Pesticide pollution

(4) Dust particles in the atmo-

nique used for the detection

(2) Disputed parentage

4 Yellow fever

65. There are four identically sized and shaped balls in a box. with only its top open. Each ball is of a different colour. these being : Green, Red. White and Blace, only one hall of each colur. Without lookrandomly picked out and ita turned to the bes. What are the chances that, in two succreative draws, one may get the white hall and the red hall in whichever order 7

- 66. Consider the following programmes :

  - Ibl Micro Pinance Programme (c) National Manufacturing
  - Corroctitiveness Programme
  - (4) Cluster Development Pro-

What is common in the above

- (1) They are related to improving agriculture.
- (2) They are programmes related to Micro, Small and Medium Enterprises
- (3) They are programmes to improve large scale indus-
- (4) They are programmes to improve the traditional cot-

67. SPAM in a system (c-mail) is

- (1) A message distributed indiscriminately.
- (2) A search engine
- (4) A command initiated by
- 68. A cylindrical closed tank contians 36s cubic metres of yater, and is filled to half of its canacity. When the cylindrical tank is placed upright on its circular base on level ground, the height of the wawhen this tank is placed on its side on level ground, what will be the bright of the surface of the water above the ground 7

(119 metres (2) 6 metres

69. Data regarding inventory of a marticular item of usage in the production activities of an ormemory are : the manifily in stock is 1500 units and the value of this stock is Rs. 1.27.500. (This works out to an average unit cost of Rs. 85.) During the ensuing year surchased at a unit cost of Rs. 95. Consumption in proyear X has been 600 units. Norking by the First-In-First-Out basis, the value of the at the end of the year X will

(1) Re. 1.00.000

2) Rs. 1 02 500

(3) Rp. 1 05 000

(4) Rs. 1.07,500

- 70. Consider the following statements about All India Radio : (a) It is governed by the Prasar
  - (b) It was so named in 1936.
  - (c) it does not provide DTH
  - are its subsidiary channels. Which of the above statements

- [[] a, b and c only (2) c and d only (3) a, b and d only
- (4) a, b, c and d
- 71 The famous 'Girl' arrenach in

  - (3) Conciliation
  - (4) Arbitration
- 72. In a race, the first four win-Each winner's points must be munition winner. Total sum of the points to be awarded is 50. third position winner?
- 73. Which of the following trends in FDI inflows are correct ?
  - (1) In 2003-04, the FDI Emity inflow percentage growth was negotive.
  - (2) From 2004-05 to 2007 os, the PDI inflows were very high and positive.
  - 1911a 2008-09. the FDI toflows seere positive, but had decreased relative to the

ing the codes given below :

- 74. In raising an object to a given plane, as compared with raising the object vertically, there is a reduction in 12) Work required [3] Distance covered (4) Priction force
- 75. The mean and standard deviation of a set of 16 non-zero positive numbers in an observation are 26 and 3.5 respecdestation of another set of 24

non-zero positive numbers stances of both sets of observations, are 29 and 3, respec theshy The mean and standary deviation of their combined set of observations will respec-

- (1) 27.8 and 3.21
- (3) 27.8 and 3.32
- (4) 26.2 and 3.21
- 76 A struscidal transverse wars is travelling on a string. Any point on the string moves in (1) SHM with the same andular frequency as that of the
  - WZLY
  - (2) SHM with a different frequency than that of the WELV
  - with the same angular speed as that of the wave
  - (4) Uniform circular motion with a different angular speed than that of the wave
- 77. The devices that work with computer systems as soon as they are connected are deandbod as
  - (1) Hot Swapping
  - (2) Bey Swap
  - (3) Plug-N-Play
  - (4) LISB Swapping
- 78. Which one of the following software applications would be the most appropriate for performing numerical and statistical calculations ? (1) Database
  - (2) Spreadsheet
  - (3) Graphics package
  - (4) Document processor
- 79. Consider the following state ments on Global Positioning System (GPS) :
  - (a) GPS allows accurate timestamping on ATM transactions
  - the OPS retires on a set of satellates for transferring signals worktwide.
  - which of the above statements in/are correct ?

- (1) a only (2) b only
- (3) Both a and b
- (4) Neither a nor b
- 80. Consider the following state-

Cellular technology evolves in stages called Generation (G). where

- (a) A Generation represents higher Generation has more subscribers.
- (b) 2G technology has two standards CDMA and GSM.
- iel 2G technology has CDMA standard and 30 has OSM
- Which of the above statements
- is/are correct?

- 81, LAN, WAN and MAN are computer networks covering different arras. Their first alphabets L. W and M respectively stand
  - (1) Local, World and Middle
  - (2) Long, Wireless and Metronolitan
  - (%) Local, Wide and Metropol-
  - (4) Least, Wireless and Maxi-
- 82. A rectangular garden is to be twice as long as its width. If SED metre of fencing including gates will totally enclose this garden, what is the length of the granden ?
  - (1) 120 metre (2) 130 metre (3) 140 metre (4) 150 metre
- st. The 'Cloud Computing' technology refers to
  - (i) A set of algorithms that solves problems using fuzzy logic
  - (2) Many computers that are interconnected through wireless networks and satellites

- (3) A distributed computer ar-
- (4) A futuristic technology that will use clouds to per-
- 84. Consider the following statementa for Nano-technology :
  - (a) It is the technology of crees atom-by-atom.
  - (b) Physical properties change
  - (c) Chemical properties change at the nanometer acele.
  - Which of the above statements are correct ?
  - (1) a and b only
  - [2] a and c only
  - (3) b and c only
  - [4] a, b and c
- 85, The Large Hadron Collider fLHCI used in the CERN project is a particle accelerater located on the border between
  - (1) Spain and France
  - [2] France and Germany (3) Spain and Switzerland

  - (4) France and Switzerland
- 88. The method of communication in which transmission can take place in both directions. but happens only in one direction at a time, is called (1) Duplex
  - [2] Half Duples

  - (4) Dimplex
- 87. A collection of programs that system runs and processes information is called
  - (1) Compiler
    - (2) Operating System

  - (4) Assembler
- 88. SMPS is the acronym for (1) Stope Mode Power Supply (2) Single Mode Power Supply
  - (1) Switch Mode Power Supply (4) Start Mode Power Supply





are correct 7 (2) a. c and d only (4) a, b, c and d 101. Walking at + th of his usual speed, a man reaches his office 20 minutes late. What is the time taken by him to reach the office at his usual speed ? (1) 80 minutes (2) 70 minutes (4) 50 minutes (a) It is applicable for all bank note of 60 years due to accident. are correct? (2) c and d cely 60 h and c only 103 A and B can a 1 km race A beats him by 15 seconds. If A runs at 6 km/h, what is the (1) 4.4 km/h (2) 5.4 km/h 130 6.4 km/h (4) 7.4 km/h 104. In a most of 1 km. A cars heat B by 40 m and B can best C by 50 m. With how much distance can A beat C in a 0.5 km race 7 (4) 45 m 100 he an office After of the see women. Half of the employees. short, and 40 employees are

af tall men empoyees : (1) 60 (2) 50 (30 40 (4) 30

statement (II) · Diffe countries have different factor export Statement of the members of the Public counts Committee.