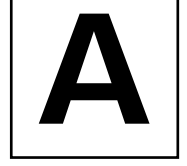


**QUESTION BOOKLET
PAPER II
(262)**



Time Allowed : 2 Hours

Maximum Marks : 200

INSTRUCTIONS

1. Immediately after the commencement of the Examination, you should check that this Question Booklet does NOT have any unprinted or torn or missing pages or questions etc. If so, get it replaced by a complete 'Question Booklet' of the same Question Paper Version Code as printed in your OMR Answer Sheet.
2. **Candidate has to insure that Question Paper Version Code of the Question Booklet given is same as the Question Paper Version Code printed on OMR Answer Sheet. Discrepancy, if any should be reported to the Invigilator and a new Question Booklet should be taken whose Question Paper Version Code tallies with the Question Paper Version Code printed on the OMR Answer Sheet.**
3. You have to enter your Register Number in the Question Booklet in the box provided alongside.
DO NOT write anything else on the Question Booklet.

Register Number					
4. **This Question Booklet contains 100 questions.** Each question contains **four** responses (answers). 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 most appropriate. In any case, choose **ONLY ONE RESPONSE** for each question.
5. All the responses should be marked **ONLY** on the separate OMR Answer Sheet provided and **ONLY** in **Black or Blue Ball Point Pen**. See detailed instructions in the OMR Answer Sheet.
6. All questions carry equal marks. **Attempt all questions.**
7. Sheets for rough work are appended in the Question Booklet at the end. You should not make any marking on any other part of the Question Booklet.
8. Immediately after the final bell indicating the conclusion of the examination, stop making any further markings in the OMR Answer Sheet. Be seated till the OMR Answer Sheets are collected and accounted for by the Invigilator.
9. **Questions are printed both in Kannada and English. If any confusion arises in the Kannada Version, please refer to the English Version of the questions. Please note that in case of any confusion the English Version of the Question Booklet is final.**
10. **Penalty for wrong the answers :**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY THE 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-fourth** 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.

**Possession of Mobile Phones, Calculators and other Electronic/Communication gadgets
of any kind is prohibited inside the Examination venue.**

ಗಮನಿಸಿ: ಸೂಚನೆಗಳ ಕನ್ನಡ ಆವೃತ್ತಿಯು ಈ ಪ್ರಶ್ನೆ ಪುಸ್ತಿಕೆಯ ಮುಂಭಾಗದಲ್ಲಿ ಮುದ್ರಿಸಲ್ಪಟ್ಟಿದೆ.

1. Consider the following statements about the eligibility criteria of Sandhya Suraksha Scheme of Karnataka :

- A. Applicant's age must be 60 years or above.
- B. Annual income of pensioner and his/her spouse must not be more than ₹ 25,000.

Which of the above statements is/are correct ?

Select the code for the correct answer from the options given below :

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

2. Consider the following statements :

- A. India is a member of Missile Technology Control Regime (MTCR).
- B. India and Russia have agreed to double the range of Brahmos to 600 km.
- C. China is not a member of MTCR.

Which of the above statements is/are correct ?

Select the code for the correct answer from the options given below :

- (1) A only
- (2) A and B only
- (3) B and C only
- (4) A, B and C

3. Sitting in a car moving with constant velocity of 30 km/h eastwards relative to the road, a person throws a ball vertically upwards up to a few metres. If we neglect the air resistance during flight completely, the ball

- (1) will land behind the person moving in the car
- (2) will land ahead of the person moving in the car
- (3) will land on the person moving in the car
- (4) may fall on the ground outside the car

4. Scientists of the Botanical Survey of India (BSI) have found a new species of Zingiber (commonly referred to as Ginger) named as *Zingiber pseudosquarrosus* which possesses ethnomedical properties. The traditional knowledge about the species was shared by a local guide during an expedition. At which of the following places was the species found ?

- (1) Karnataka
- (2) Kerala
- (3) Lakshadweep
- (4) Andaman & Nicobar Islands

5. Muscle fatigue occurs due to the accumulation of which of the following ?

- (1) Pyruvic acid
- (2) Acetic acid
- (3) Lactic acid
- (4) Uric acid

6. Pick out the pair which is *incorrectly* matched regarding their status as per IUCN.

- (1) Nilgiri Tahr – Endangered
- (2) Kashmir Red Stag – Threatened
- (3) Pygmy Hog – Critically endangered
- (4) Bramble Cay Melomys – Extinct

7. Consider the following statements regarding launch of 104 satellites by PSLV C-37 in February 2017 :

- A. India is the first country to launch 104 satellites on a single rocket.
- B. It also included India's satellites namely earth-mapping Cartosat-2 satellite and nanosatellites INS-1A and INS-1B.
- C. Antrix Corporation Limited is the commercial arm of the Indian Space Research Organisation (ISRO).

Which of the above statements are correct ?

Select the code for the correct answer from the options given below :

- (1) A and B only
- (2) A and C only
- (3) B and C only
- (4) A, B and C

8. Hon'ble MP, Shobha Karandlaje was nominated as the Official Parliamentary Observer for the elections of which country recently ?

- (1) USA Presidential elections
- (2) UK General elections
- (3) French Legislative elections
- (4) German Presidential elections

9. Who is the recipient of the Dr. Rajkumar Award of 2016 given by the Karnataka Government ?

- (1) Srinath
- (2) Harini
- (3) Advani Lakshmi Devi
- (4) B. Saroja Devi

10. Match the study disciplines (List I) with the subjects of study (List II) :

<i>List I</i> (Study Discipline)	<i>List II</i> (Subject of Study)
A. Entomology	I. Algae
B. Mycology	II. Fungi
C. Phycology	III. Insects
D. Desmology	IV. Ligaments

Select the code for the correct answer from the options given below :

	A	B	C	D
(1)	III	II	IV	I
(2)	III	II	I	IV
(3)	II	III	IV	I
(4)	II	III	I	IV

11. Who is the recipient of the 2016 Sahitya Akademi Award for Kannada ?
- (1) Bolwar Mahammad Kunhi
 - (2) C.N. Ramachandran
 - (3) K.V. Tirumalesh
 - (4) Govindray H. Nayak
12. Which of the following is the air-to-air refueller aircraft of the Indian Air Force ?
- (1) C-17 Globemaster
 - (2) Ilyushin-76
 - (3) Ilyushin-78
 - (4) C-130J Hercules
13. The percentage of power generation in India by thermal (coal, oil and natural gas), hydro, nuclear and alternate sources (solar, wind, biomass, etc.) out of total power generation is in which of the following order ?
- (1) Thermal > Hydro > Alternate Sources > Nuclear
 - (2) Thermal > Hydro > Nuclear > Alternate Sources
 - (3) Hydro > Thermal > Alternate Sources > Nuclear
 - (4) Hydro > Thermal > Nuclear > Alternate Sources
14. Who was the President of the first Indian Science Congress meeting held in Kolkata in 1914 ?
- (1) Prafulla Chandra Roy
 - (2) J.C. Bose
 - (3) Sir Ashutosh Mukherjee
 - (4) Leonard Rogers

15. Consider the following hydrocarbons :

- A. Methane
- B. Ethane
- C. Propane
- D. Butane
- E. Pentane

What is the correct sequence of increasing order of their molecular weight ?

Select the code for the correct answer from the options given below :

- (1) A, B, D, C, E
- (2) B, A, D, C, E
- (3) A, B, C, D, E
- (4) C, B, A, D, E

16. Consider the following statements about the eligibility criteria of "Karnataka State Disability Medical Relief Scheme" for corrective surgeries for the prevention of disabilities :

- A. Annual income must be ₹ 25,000 for rural and ₹ 50,000 for urban.
- B. Disability Certificate should be issued by the Medical Board.

Which of the above statements is/are correct ?

Select the code for the correct answer from the options given below :

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

17. Which of the following are correct about Indian Aircrafts ?

- A. Tejas is a multirole light combat aircraft.
- B. Saras is the first indigenous multipurpose civilian aircraft.
- C. Lakshya is a pilotless target aircraft.

Select the code for the correct answer from the options given below :

- (1) A and B only
- (2) B and C only
- (3) A and C only
- (4) A, B and C

18. Which flagship scheme(s) of Karnataka Forest Department would help farmers gain monetary rewards by way of planting forestry species in their own farms and maintaining them for 3 years ?

- A. KAPY – Krishi Aranya Protsaha Yojane
- B. JFPM – Joint Forest Planning Management
- C. RSPD – Raising of Seedlings for Public Distribution
- D. Tree Patta Scheme

Select the code for the correct answer from the options given below :

- (1) A only
- (2) B only
- (3) A, B and C only
- (4) B, C and D only

19. Kigali Agreement 2016 is a big step in fighting climate change. It is related to which of the following ?

- A. Amendment to the Montreal Protocol to reduce the manufacture and use of Hydrofluorocarbons (HFCs).
- B. Amendment to the Montreal Protocol to reduce the manufacture and use of Chlorofluorocarbons (CFCs).

Which of the above statements is/are correct ?

Select the code for the correct answer from the options given below :

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

20. Which of these are tiger reserves in the State of Karnataka ?

- A. Bannerghatta National Park
- B. Daroji Wildlife Sanctuary
- C. Cauvery Wildlife Sanctuary
- D. Kudremukh National Park

Select the code for the correct answer from the options given below :

- (1) A and D only
- (2) A, C and D only
- (3) A, B, C and D
- (4) None of the above

21. Which of these are true about Hydrofluorocarbons (HFCs) ?

- A. HFCs, organic compounds that contain fluorine and hydrogen atoms, are commonly used in refrigerators and air-conditioners in place of chlorofluorocarbons (CFCs).
- B. HFCs do not harm ozone layer as much as CFCs do.
- C. HFCs do not cause global warming at all.

Select the code for the correct answer from the options given below :

- (1) A and B only
(2) B and C only
(3) A and C only
(4) A, B and C

22. In the Budget speech of 2017 – 18 the Hon'ble Chief Minister of Karnataka has announced to start new Tree Parks in the State in the name of which famous social figure ?

- (1) Bhimrao Babasaheb Ambedkar
(2) Nadaprabhu Kempegowda
(3) Basavanna
(4) Saalumarada Thimmakka

Directions (Questions no. 23 and 24) : The following table gives the sales of batteries manufactured by a company over the years. Study the table and answer the questions that follow.

Number of Different Types of Batteries Sold by a Company Over The Years (Numbers in Thousands)						
Year	Types of Batteries					
	4AH	7AH	32AH	35AH	55AH	TOTAL
1992	75	144	114	102	108	543
1993	90	126	102	84	126	528
1994	96	114	75	105	135	525
1995	105	90	150	90	75	510
1996	90	75	135	75	90	465
1997	105	60	165	45	120	495
1998	115	85	160	100	145	605

23. The percentage of 4AH batteries sold to the total number of batteries sold was maximum in the year

- (1) 1994
(2) 1995
(3) 1996
(4) 1997

24. In which type of battery was there a continuous decrease in sales from 1992 to 1997 ?

- (1) 4AH
(2) 7AH
(3) 32AH
(4) 35AH

25. The Government of Karnataka appointed the Sixth State Pay Commission under the chairmanship of

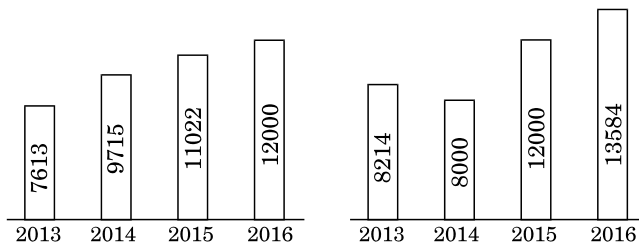
- (1) M.R. Shridhara Murthy
(2) M.R. Sudha Murthy
(3) M.R. Shiva Murthy
(4) M.R. Sreenivas Murthy

Directions (Questions no. 26 and 27) : Study the following graphs carefully and answer the questions given below them.

Exports and Imports data of a country

Exports (in crores)

Imports (in crores)



26. What was the approximate difference between the average imports and average exports over the given years (2013 to 2016) ?

- (1) 362 crores
- (2) 380 crores
- (3) 350 crores
- (4) None of these

27. What was the approximate percentage increase in the imports from 2015 to 2016 ?

- (1) 10%
- (2) 15%
- (3) 11%
- (4) 13%

28. Among the following distinguished personalities of Karnataka, whose Field/Profession and Place of Birth are correctly stated ?

- (1) B.M. Hegde – South Canara – Medical Scientist
- (2) B.V. Sreekantan – Coorg – Agricultural Scientist
- (3) C.R. Rao – Mangaluru – Space Scientist
- (4) Raja Ramanna – Shivamogga – Mathematician

29. A group of friends decided to go on a picnic with an estimated expenditure of ₹ 960. But at the last minute four of them did not turn up. As a consequence, the remaining ones had to contribute ₹ 40 each extra. Then the number of friends who went to the picnic is

- (1) 12
- (2) 24
- (3) 8
- (4) 16

30. In a row of students, Ravi is 10th from left and Ramu is 8th from right. When they interchange their places, Ravi becomes 23rd from left. Then the number of students in the row is

- (1) 31
- (2) 30
- (3) 29
- (4) 32

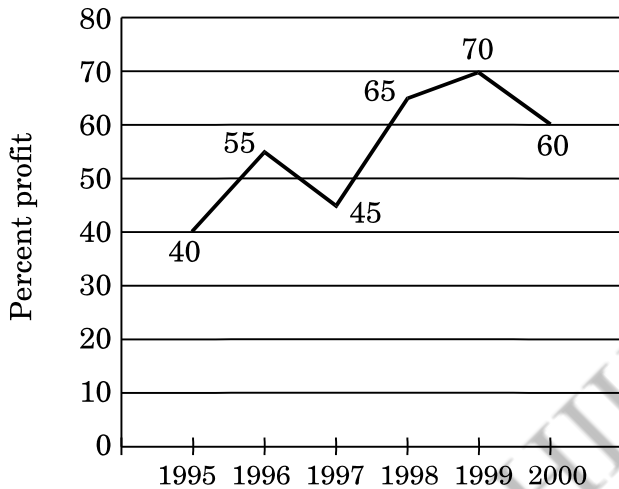
31. Raju alone can do a piece of work in 10 days and Manju alone can do it in 12 days. They undertook to do it for ₹ 4,800. With the help of Anand, they completed the work in 5 days. Then the amount paid to Raju and Anand respectively is

- (1) ₹ 2,000 and ₹ 400
- (2) ₹ 2,400 and ₹ 400
- (3) ₹ 2,400 and ₹ 2,000
- (4) ₹ 2,200 and ₹ 500

Directions (Questions no. 32 to 34) : The following line-graph gives the annual percent profit earned by a company during the period 1995 – 2000. Study the line-graph and answer the following questions based on it.

$$\% \text{ Profit} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

Percent profit earned by a company over the years



32. If the income in 1998 was ₹ 264 crores, what was the expenditure in 1998 ?

- (1) ₹ 104 crores
- (2) ₹ 145 crores
- (3) ₹ 160 crores
- (4) ₹ 185 crores

33. Out of the following years given, for which year the ratio of income to expenditure is the minimum ?

- (1) 1996
- (2) 1997
- (3) 1998
- (4) 2000

34. What is the average of percentage profit earned for the given years (from 1995 to 2000) ?

- (1) 50.66
- (2) 55.83
- (3) 60.17
- (4) 33.5

35. Name the new species of fish which was discovered recently in Tunga River near the Kudremukh National Park.

- (1) Pethia Atra
- (2) Pethia Canius
- (3) Pethia Striata
- (4) Pethia Cumingii

36. The pendulum of a clock consists of a heavy point mass (bob) tied to a massless string. It is oscillating faster and so the clock is going fast. What option below should be chosen in order to reduce the time of oscillation ?

- (1) The mass of the bob should be increased
- (2) The length of the pendulum should be increased
- (3) The length of the pendulum should be decreased
- (4) The mass of the bob should be decreased

37. Which of the following statements about Bhagyalakshmi Scheme for girls in Karnataka is *not* correct ?

- (1) The objective of this scheme is to promote the birth of girl children in BPL families and to raise the status of the girl child in the family in particular and society in general.
- (2) The scheme is for only one girl child of a BPL family.
- (3) The girl should not be a child labourer.
- (4) None of the above

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38. Under Anna Bhagya Scheme, in Budget 2017 – 18, to support the economically weaker sections of the society, the Karnataka Government has decided to raise the quantity of rice per person from
- (1) 3 kg to 5 kg
 - (2) 4 kg to 7 kg
 - (3) 5 kg to 7 kg
 - (4) 7 kg to 8 kg
39. While facing East, Williams turns to his left and walks 6 metres, then he again turns to his left and walks 6 metres, then turns 45° towards his right and walks a distance of 5 metres. Then what are the direction he is facing and the distance from his starting point ?
- (1) North-east, $5 + 6\sqrt{2}$ m
 - (2) North-west, $5 + 6\sqrt{2}$ m
 - (3) South-west, 17 m
 - (4) North-west, 17 m
40. With reference to 'graphene', which following statements is/are correct ?
- A. Graphene conducts electricity faster at room temperature than any other known material.
 - B. Graphene is a crystalline allotrope of carbon with two-dimensional properties.
 - C. It is a bad conductor of heat.
- Select the code for the correct answer from the options given below :
- (1) A and B only
 - (2) A only
 - (3) B only
 - (4) A, B and C
41. Maize Technology Park is to be set up at which of the following places in Karnataka ?
- (1) Ranebennur
 - (2) Dharwad
 - (3) Davanagere
 - (4) Shahapur
42. Khaira disease in rice is caused due to the deficiency of
- (1) Molybdenum
 - (2) Calcium
 - (3) Zinc
 - (4) Phosphorus
43. With reference to the "Karnataka Agricultural Price Commission" consider the following statements :
- A. It is an advisory body to look into all aspects of production, marketing and pricing of agricultural and horticultural commodities in Karnataka.
 - B. Minister for Agriculture is the ex-officio chairperson of the commission.
 - C. The term of the commission would be of five years.
- Which of the above statements is/are correct ?
- Select the code for the correct answer from the options given below :
- (1) A and C only
 - (2) A only
 - (3) B and C only
 - (4) A, B and C
44. Foundation stone was laid by Sri Pranab Mukherjee for Dr. B.R. Ambedkar School of Economics in which of the following places ?
- (1) Bengaluru
 - (2) Mysuru
 - (3) Dharwad
 - (4) Mangaluru

45. The Government of Karnataka has officially launched the roll-out of Single Window Service Centres (SWSCs) for unorganised workers in the State. This concept has been jointly developed by which of the following ?

- (1) Department of Labour and Germany's federal agency for international cooperation and development, GIZ
- (2) Department of Health and Family Welfare and Germany's federal agency for international cooperation and development, GIZ
- (3) Department of Labour and Bellona Foundation
- (4) Department of Health and Family Welfare and Bellona Foundation

46. Consider the following statements :

- A. India's first POPSK (Post Office Passport Seva Kendra) was opened in Mysore.
- B. Union Minister Shri Ananth Kumar formally inaugurated India's first POPSK.

Which of the above statements is/are correct ?

Select the code for the correct answer from the options given below :

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

47. Which city of Karnataka secured a rank in the top 10 in Swachha Survekshan, 2017 conducted by the Union Ministry of Urban Development ?

- (1) Mysore
- (2) Udupi
- (3) Mangalore
- (4) Shimoga

48. What is the term of a President of the Town Municipal Council as per Karnataka Municipalities Act, 1964 ?

- (1) 18 months
- (2) 24 months
- (3) 30 months
- (4) None of the above

49. What percentage of the cost of construction should be borne by the Pourakarmika under Pourakarmikas Gruhabhagya Yojana of Karnataka State ?

- (1) 10%
- (2) 20%
- (3) 40%
- (4) None of the above

50. According to the "Bureau of Indian Standards" the permissible "pH value" in drinking water should be in the range of

- (1) 4.5 to 6.5
- (2) 5.5 to 7.5
- (3) 6.5 to 8.5
- (4) 7.5 to 9.5

51. Which of the following products from Karnataka have Geographical Indication Status ?

- A. Udupi Mattu Gulla Brinjal
- B. Gokak Karadantu
- C. Mysore Sandal Soap
- D. Maddur Vade

Select the code for the correct answer from the options given below :

- (1) A, B and C only
- (2) A, C and D only
- (3) A and C only
- (4) A, B, C and D

52. How many cities of Karnataka are covered by Atal Mission for Rejuvenation and Urban Transformation (AMRUT) as on 31st July, 2017 ?

- (1) 26
- (2) 27
- (3) 28
- (4) 29

53. Which company has recently shut down its lighting manufacturing unit at Mysore due to a sharp decline in the demand for CFL products and increasing preference for LED products ?

- (1) Wipro Consumer Care and Lighting
- (2) Philips Lighting Company
- (3) Syska LED Lights Company
- (4) None of the above

54. You have been recently promoted to a post of Deputy Secretary in a Ministry of the Government of India. Immediately you have been entrusted with the task of appointing the "Technical Supervisors" on the basis of a written examination. According to the performance in the written examination, total 15 candidates have been shortlisted for total 3 posts. Now, based on their educational performance, work experience and track record you have to make a recommendation in order of preference. A senior official whom you consider your mentor also, asks you to recommend the name of a candidate amongst the first three choices. What will you do ?

- (1) Bring the matter to the knowledge of your immediate superior officer and do as he verbally directs.
- (2) Comply to the request of the senior officer who approached you as he is your mentor and you hold him in high regard and recommend the name of the candidate irrespective of the position where he or she stands.
- (3) Examine the profile of all 15 candidates and take a decision on merit basis, even if it means that the candidate recommended by the senior who approached you gets selected eventually.
- (4) Ensure that the candidate recommended by your senior doesn't get selected at all by placing him down in the preference as it will promote corrupt practices in office.

55. The head of a tax collecting department wants to motivate his subordinates aiming at surpassing all the previous records of tax collection and giving the best revenue to the government from the zone which he is heading. Which of the following should be the best strategy to achieve that ?

- (1) To tell the subordinates that it will be their individual responsibility and it will bring internal satisfaction.
- (2) To tell the subordinates that those whose performance will be outstanding will be given cash rewards.
- (3) To declare that those whose performance will be exceptional will get out of turn promotion and others will not.
- (4) To tell the subordinates that all those who will exceed their individual targets will be appreciated and a suitable entry will be made in their service records.

56. Who among the following is named as the captain of the team “Bengaluru Bulls” for the Pro-Kabaddi League, 2017 ?

- (1) Rohit Kumar
- (2) Ravinder Pahan
- (3) Ajay Kumar
- (4) Kuldeep Singh

57. You have taken up a project to create night-shelters for homeless people during the winter season. Within a week of establishing the shelters, you have received complaints from the residents of the area about the increase in theft cases with a demand to remove the shelters. What is best for you to do ?

- (1) Ask them to lodge a written complaint in the police station and let the investigation happen first.
- (2) Assure residents of an enquiry immediately into the matter.
- (3) Ask residents to consider the humanitarian effort made.
- (4) Continue with the project and ignore their complaint.

58. Devraj Urs Award for 2016 has been conferred to whom of the following ?

- (1) Sri Raghupati
- (2) Sri M.C. Nanital
- (3) Sri B.A. Mohideen
- (4) Sri S.K. Kantha

59. You, as an administrative authority, have been approached by the daughter-in-law of an influential person regarding harassment by her in-laws on account of insufficient dowry. Her parents are not able to approach you because of social pressures. You would

- (1) Call the in-laws for an explanation.
- (2) Counsel the lady to adjust, given such a circumstance.
- (3) Wait and take action only after her parents approach you.
- (4) Ask her to lodge a complaint with the police.

60. A swimming pool is filled by three pipes with uniform flow.

The first two pipes operating simultaneously fill the swimming pool in the same time, during which the swimming pool is filled by the third pipe alone.

The second pipe alone fills the swimming pool 5 hours faster than the first pipe and 4 hours slower than the third pipe.

The time required by the first pipe only to fill the swimming pool is

- (1) 8 hours
- (2) 12 hours
- (3) 15 hours
- (4) 18 hours

61. Ajith, an eighteen-year-old literate, unemployed youth without any income knows tailoring and has a valid 40% and above Disability Certificate issued by the Medical Board. Since birth, he has been living in Hassan district. Under which scheme can he get assistance of ₹ 20,000 as an interest free loan and ₹ 15,000 for a kiosk to set up business ?

- (1) Adhara
- (2) Udyogi
- (3) Chetan
- (4) None of the above

62. Mukhyamantri Santwana Harish Yojana is the scheme launched for which of the following ?

- (1) Free treatment to road accident victims
- (2) Crop insurance to farmers for damaged crops
- (3) Complimentary assistance for child education
- (4) None of the above

63. Consider the following statements :

- A. Pyrolusite is an ore of manganese.
- B. Galena is an ore of lead.

Which of the above statements is/are correct ?

Select the code for the correct answer from the options given below :

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

64. You are a part of a leading FMCG company. You have recently been pulled up by the Food Authority of India and the instant noodles of your company have been banned as they contain some harmful substances. This was the main product of your company and has led to massive losses for your company. The company has been forced to pull back the product and been asked to submit the noodles to new tests. Your boss has instructed you to approach the testing agency and make sure that the noodles are approved by them. Your boss wants you to make sure of this at any cost. You know that sufficient work has not been done on the noodles and these still might have some issues.

What best you should do in the given case ?

- A. You should do as your boss says.
- B. You should do as your boss says but leak the same information to the press.
- C. You should refuse to follow the instructions of your boss.
- D. You should try to convince your boss to act otherwise.
- E. You should consider leaving the given company.

Select the code for the correct answer from the options given below :

- (1) A and E
- (2) B and D
- (3) C and E
- (4) D and E

65. Every year, Americans use over one billion sharp objects to administer healthcare in their homes. These sharp objects include lancets, needles, and syringes. If not disposed off in puncture-resistant containers, they can injure sanitation workers. Sharp objects should be disposed off in hard plastic or metal containers with secure lids. The containers should be clearly marked and be puncture-resistant.

The paragraph best supports the idea that sanitation workers can be injured, if they

- (1) Do not place sharp objects in puncture-resistant containers.
- (2) Come in contact with sharp objects that have not been placed in secure containers.
- (3) Are careless with sharp objects such as lancets, needles, and syringes in their homes.
- (4) Do not mark the containers they pick up with a warning that those containers contain sharp objects.

66. Angioplasty, a method of treatment includes inserting a small tube that acts as a scaffold to support the inside of the coronary artery. What is this tube known as ?

- (1) Stent
- (2) Catheter
- (3) Balloon
- (4) Atherectomy device

67. Use of electronic mail (e-mail) has been widespread for more than a decade. E-mail simplifies the flow of ideas, connects people from distant offices, eliminates the need for meetings, and often boosts productivity. However, e-mail should be carefully managed to avoid unclear and inappropriate communication. E-mail messages should be concise and limited to one topic. When complex issues need to be addressed, phone calls are still best.

The main idea of the paragraph is that e-mail

- (1) Is not always the easiest way to connect people from distant offices.
- (2) Has changed considerably since it first began a decade ago.
- (3) Causes people to be unproductive when it is used incorrectly.
- (4) Is effective for certain kinds of messages but only if managed wisely.

68. Hon'ble CM of Karnataka, on 7th March 2017, has launched a comprehensive web-based dashboard to showcase the performance of the Government of the State of Karnataka. The aim is to improve efficiency in the governance and allow citizens to track the government's progress. What is the name of that web-based dashboard ?

- (1) Pratibimba
- (2) Seva Sindhu
- (3) Parikrama
- (4) Pratibaddhate

69. It is well-known that the world urgently needs adequate distribution of food, so that everyone gets enough. Adequate distribution of medicines is just as urgent. Medical expertise and medical supplies need to be redistributed throughout the world so that people in emerging nations will have proper medical care.

This paragraph best supports the statement that

- (1) The majority of the people in the world have no medical care.
- (2) Medical resources in emerging nations have diminished in the past few years.
- (3) Not enough doctors give time and money to those in need of medical care.
- (4) Many people who live in emerging nations are not receiving proper medical care.

70. Udyogini Scheme of Karnataka Government envisages to help women to engage themselves in income generating activities and intends to provide subsidy for the projects. What is the maximum limit of the total project cost that may be considered for the subsidy under this scheme ?

- (1) ₹ 75,000
- (2) ₹ 1,00,000
- (3) ₹ 1,25,000
- (4) None of the above

71. 11th edition of Aero India show took place at Yelahanka Airforce Station in Bengaluru in February 2017. Who inaugurated the event ?

- (1) Prime Minister Narendra Modi
- (2) Then President Shri Pranab Mukherjee
- (3) Then Defence Minister Manohar Parrikar
- (4) None of the above

72. With reference to atomic power, which of the following statements is/are correct ?

- A. India conducted its first nuclear detonation at Pokhran in Rajasthan on 18 May, 1974.
- B. The fuel used in the nuclear reactor is cadmium.
- C. The energy of a thermal neutron is about 0.025 eV.

Select the code for the correct answer from the options given below :

- (1) A and C only
- (2) B and C only
- (3) A only
- (4) A, B and C

73. Consider the following statements about the hardness of water :

- A. Temporary hardness is caused by the presence of dissolved calcium bicarbonate and magnesium bicarbonate.
- B. Permanent hardness is caused by the presence of dissolved calcium sulphate/calcium chloride and/or magnesium sulphate/magnesium chloride.
- C. One of the methods of removing permanent hardness is boiling the hard water.

Which of the above statements is/are correct ?

Select the code for the correct answer from the options given below :

- (1) A only
- (2) A and B only
- (3) B and C only
- (4) A, B and C

74. Two statements have been given followed by four conclusions. You have to consider the statements to be true, even if they do not conform to the well-known facts. Which conclusion(s) logically follow(s) from the given statements ?

Statements :

- I. Some men are goats.
- II. All goats are jackals.

Conclusions :

- A. Some men are jackals.
- B. Some jackals are men.
- C. All jackals are goats.
- D. Some goats are men.

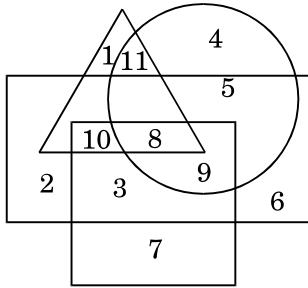
Select the code for the correct answer from the options given below :

- (1) A and B only
- (2) C and D only
- (3) A, B and D only
- (4) None of the above

75. 14th edition of Pravasi Bharatiya Divas took place in Bengaluru in January 2017. The theme of Pravasi Bharatiya Divas was

- (1) Engaging Diaspora – The Indian Growth Story
- (2) Redefining Engagement with the Indian Diaspora
- (3) One India – Connecting Across Generations
- (4) Indian Diaspora – The Future Shared

76. The following question is based on the figure given below. In the given figure
- Rectangle represents females.
 - Circle represents people staying in metros.
 - Square represents the literate.
 - Triangle represents the employed people.



What is the number indicating literate females, who are employed and staying in metros ?

- 4
 - 7
 - 8
 - 9
77. Ashok and Co. have decided to modernise the image of their company. As a part of corporate makeover they wanted to change the name of the company. Four acronyms were shortlisted. The company CEO suggested that they should choose a name which, when painted vertically from top to bottom on the transparent glass door, will read the same from inside and outside.

Which of the following names may they choose ?

- WEEM
- TIME
- NONA
- MITA

78. Match the conventions (List I) with their Agenda (List II) :

<i>List I</i> (Convention)	<i>List II</i> (Agenda)
A. Basel Convention, 1989	I. Protection of the ozone layer
B. Vienna Convention, 1985	II. Control of transboundary movements of hazardous wastes and their disposal
C. Stockholm Convention, 2001	III. Protection of the marine environment of the Baltic Sea area
D. New Helsinki Convention, 1992	IV. Protection of human health and environment from persistent organic pollutants

Select the code for the correct answer from the options given below :

	A	B	C	D
(1)	I	II	IV	III
(2)	II	I	IV	III
(3)	II	I	III	IV
(4)	I	II	III	IV

79. The ozone layer comprises the greater part of the stratosphere between altitudes of 10 km and 50 km. Which of the following is a scale for measuring the thickness of stratospheric ozone layer ?

- (1) Dobson unit
- (2) Candella unit
- (3) Melson unit
- (4) Silvert unit

80. As a gesture towards communal harmony, a famous temple in Karnataka arranged the breaking of Ramzan fast by Muslims in its practices by organizing an Iftar Party. Which of the following temples has done that ?

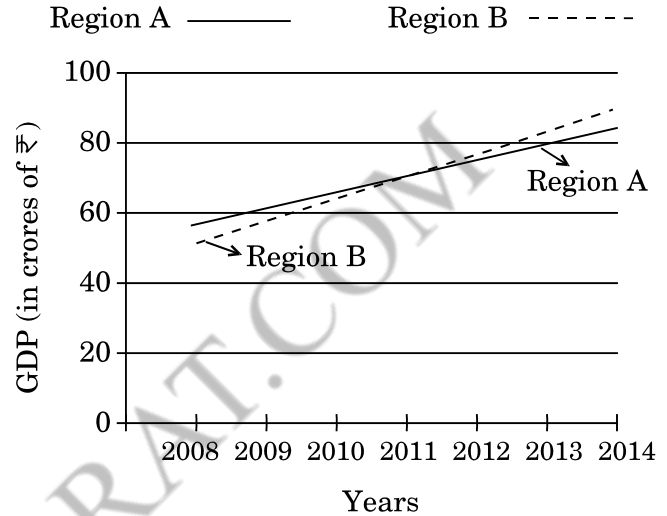
- (1) Sri Krishna Temple, Udupi
- (2) Sri Mangala Devi Temple, Mangaluru
- (3) Sri Mookambika Temple, Kollur
- (4) ISKCON Temple, Bengaluru

81. With a blunt knife, cutting a vegetable is relatively difficult than with a sharp knife because, for the same force

- (1) The area under the knife edge is lesser in the case of blunt knife
- (2) The pressure applied on the vegetable is lesser in the case of blunt knife
- (3) The pressure applied is less in the case of a sharp knife
- (4) The pressure applied is more in the case of a blunt knife

82. The following graph represents the GDP (Gross Domestic Product) in crores of rupees for 2 regions A and B :

GDP (in crores of ₹) for two Regions A and B



For the figure, which of the following statements is most appropriate ?

- (1) The rate of growth for region B is greater than region A before the year 2011 and is lower afterwards.
- (2) The growth rate for region B is lower compared to region A before the year 2011 and is greater afterwards.
- (3) From the figure it is difficult to draw any conclusion.
- (4) The rate of growth of GDP for region B is always greater than region A.

83. In which of the following cities of Karnataka, did the US aircraft-maker Boeing announce the formal launch of its engineering and technology centre in January, 2017 ?

- (1) Bangalore
- (2) Belgaum
- (3) Mysore
- (4) Mangalore

84. Consider the following statements :

- A. The film “Madipu” was selected as “Best feature film in Tulu” in the 64th National Film Awards.
- B. The director of the film “Madipu” is Chethan Mundadi.

Which of the above statements is/are correct ?

Select the code for the correct answer from the options given below :

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

85. Recently there were protests against the release of the movie “Baahubali 2” in the State of Karnataka.

- A. The protests were due to one of the actors of the movie having made a controversial comment on the Cauvery issue 9 years back.
- B. The actor in the context has played a role of Kattappa in the movie.

Which of the above statements is/are correct ?

Select the code for the correct answer from the options given below :

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

86. Match the chemicals (List I) with their usage (List II) :

List I
(Chemicals)

List II
(Usage)

- | | |
|-------------------------|-------------------------|
| A. Carbon Tetrachloride | I. Disinfectant |
| B. Iodoform | II. Fire Extinguisher |
| C. Acetone | III. Welding |
| D. Acetylene | IV. Nail Polish Remover |

Select the code for the correct answer from the options given below :

- | | A | B | C | D |
|-----|-----|-----|-----|-----|
| (1) | I | III | IV | II |
| (2) | II | I | IV | III |
| (3) | II | I | III | IV |
| (4) | III | I | IV | II |

87. The nucleus of an atom contain which of the following ?

- (1) Protons and Neutrons
- (2) Protons and Electrons
- (3) Neutrons and Electrons
- (4) Only Neutrons

88. A company has modernised and restored the critical 1035 MW Sharavathi hydropower plant in Karnataka that accounts for 25% of the Karnataka Power Corporation’s generation. It got the India Smart Grid Foundation (ISGF) Award for completing the work in just 6 months. Identify the company out of the following.

- (1) Sterlite Industries
- (2) Bharat Heavy Electricals Limited (BHEL)
- (3) Suzlon Energy
- (4) ABB India

89. Which one of the following statements is **not** correct in respect of Cauvery river water dispute ?

- (1) Cauvery river course and basin area are spread over the States of Karnataka, Tamil Nadu and Kerala.
- (2) The Cauvery dispute actually started in 1807 when the farmers of Madras Presidency raised objection to the efforts of the erstwhile Mysore State for increasing irrigation facilities.
- (3) Most of the lower course of river Cauvery is across Tanjore district of Tamil Nadu.
- (4) The Cauvery Water Disputes Tribunal announced its final verdict on 5th February, 2015.

90. The image formed by a plane mirror is

- (1) Real
- (2) Virtual
- (3) May be virtual or real depending on the position of the object
- (4) Cannot be said exactly

91. What is the age of Nithin ?

- A. Eight years ago Nithin was half as old as he is now.
- B. Four years from now Nithin will be twice as old as he was six years ago.

Select the correct answer from the options given below :

- (1) Statement A alone is sufficient but statement B alone is not sufficient to answer the question asked.
- (2) Both statements A and B together are sufficient to answer the question but neither statement is sufficient alone.
- (3) Statement B alone is sufficient but statement A alone is not sufficient to answer the question asked.
- (4) Each statement alone is sufficient to answer the question.

92. Consider the following statements :

- A. Emulating China and Italy's vertical forests, Bangalore got its first vertical organic garden on one of the pillars of the Hosur Road Electronics City Flyover.
- B. It is the first such garden in India.
- C. NGO Jeevan is behind the project.

Which of the above statements is/are correct ?

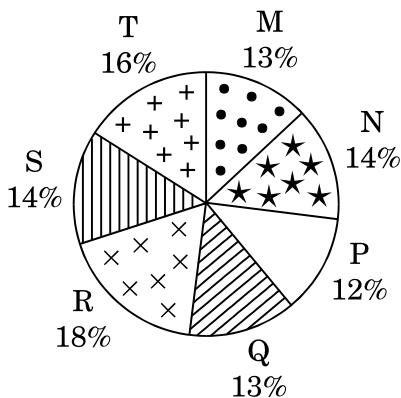
Select the code for the correct answer from the options given below :

- (1) A only
- (2) A and B only
- (3) B and C only
- (4) A, B and C

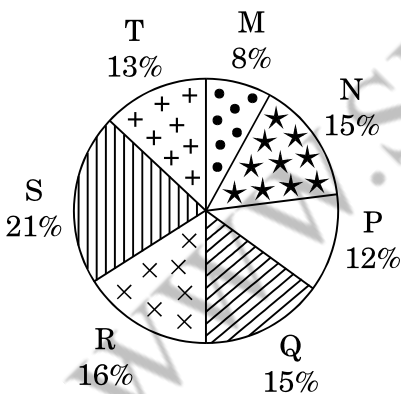
Directions (Questions no. 93 and 94) : The following pie charts show the distribution of students of graduate and post-graduate levels in seven different institutes in a town.

Distribution of Students at Graduate and Post-Graduate levels in seven institutions

Total Number of Students of Graduate level = 27300



Total Number of Students of Post-Graduate level = 24700



93. What is the ratio between the number of students studying at post-graduate and graduate levels respectively from institute S ?

- (1) 14 : 19
- (2) 19 : 21
- (3) 17 : 21
- (4) 19 : 14

94. What is the ratio between the number of students studying at post-graduate level from institute S and the number of students studying at graduate level from institute Q ?

- (1) 13 : 19
- (2) 19 : 13
- (3) 21 : 13
- (4) 13 : 18

95. Which company has joined hands with Department of Science and Technology (DST) to conduct research on water and air pollution and to do real time river-water and air quality monitoring ?

- (1) Intel
- (2) Microsoft
- (3) IBM
- (4) None of these

96. Consider the following statements :

- A. Government of Karnataka constituted a nine-member panel to design a 'State' flag and submit a report on its legalities.
- B. Jammu and Kashmir is the only State to have its own flag as it enjoys a special status under Article 370 of the Constitution.

Which of the above statements is/are correct ?

Select the code for the correct answer from the options given below :

- (1) A only
- (2) B only
- (3) Both A and B
- (4) Neither A nor B

Directions : Read the following passage and answer the questions (Q. No. 97 to 100) that follow the passage. Your answers to these questions should be based on the passage only.

Passage

The world dismisses curiosity by calling it idle or mere idle curiosity – even though curious persons are seldom idle. Parents do their best to extinguish curiosity in their children because it makes life difficult to be faced everyday with a string of unanswerable questions about what makes fire hot or why grass grows. Children whose curiosity survives parental discipline are invited to join our university. With the university, they go on asking their questions and trying to find the answers. In the eyes of a scholar, that is what a university is for. Some of the questions which the scholars ask seem to the world to be scarcely worth asking, let alone answering. They asked questions too minute and specialized for you and me to understand without years of explanation. If the world inquires of one of them why he wants to know the answer to a particular question, he may say, especially if he is a scientist, that the answer will in some obscure way make possible a new machine or weapon or gadget. He talks that way because he knows that the world understands and respects utility.

But to you who are now part of the university, he will say that he wants to know the answer simply because he does not know it, the way the mountain climber wants to climb a mountain, simply because it is there. Similarly a historian asked by an outsider why he studies history may come out with the argument that he has learnt to respect to report on such occasions, something about knowledge of the past making it possible to understand the present and mould the future. But if you really want to know why a historian studies the past, the answer is much simpler, something happened and he would like to know what. All this does not mean that the answers which scholars to find to their questions have no consequences. They may have enormous consequences but these seldom form the reason for asking the question or pursuing the answers. It is true that scholars can be put to work answering questions for sake of the consequences as thousands are working now, for example, in search of a cure for cancer. But this is not the primary function of the scholar, for the consequences are usually subordinate to the satisfaction of curiosity.

97. The common people consider some of the questions that the scholars ask not important

- (1) as they are too lazy and idle
- (2) as they are too modest
- (3) as it's beyond their comprehension
- (4) as it is considered a complete waste of time

98. If a historian is asked by an outsider that why he had studied history, what reply would he come out with, according to the passage ?

- (1) He studied history because the knowledge of the past makes it possible to understand the present and mould the future.
- (2) He studied history to understand the present and make the world a better and peaceful place to live in.
- (3) He studied history as something happened at that point of time and he wanted to know what happened.
- (4) He studied it for personal self-satisfaction and desire to know.

99. According to the passage, which of the following statements is/are correct ?

- A. For the scholars their primary aim behind finding answers to the questions is to achieve a favourable consequence.
- B. For the scholars their primary aim behind finding answers is the satisfaction of curiosity and consequences are secondary and subordinate to that satisfaction.
- C. In the eyes of a scholar, university is a place for satisfaction of curiosity where they can go on asking their questions and try finding answers.

Select the code for the correct answer from the options given below :

- (1) A only
- (2) A and B only
- (3) B and C only
- (4) A, B and C

100. According to the passage, the children make life difficult for their parents

- (1) by their ceaseless curiosity
- (2) by unceasing bombardment of questions as a result of their curiosity
- (3) by asking irrelevant and illogical questions
- (4) by posing philosophical questions at that tender age