1. In 34.00 min, the minute hand makes

   (i) 205.00° (ii) 206.00° (iii) 202.00° (iv) 204.00° (v) 203.00°

2. In 4.00 min, the hour hand makes

   (i) 4.00° (ii) 0.00° (iii) 3.00° (iv) 1.00° (v) 2.00°

3. In how many minutes, the minute hand makes an angle of 222.00°?

   (i) 38 min (ii) 39 min (iii) 35 min (iv) 37 min (v) 36 min

4. In how many minutes, the hour hand makes an angle of 11.50°?

   (i) 22 min (ii) 24 min (iii) 23 min (iv) 25 min (v) 21 min

5. What is the angle between the minute and hour hands at 01:29?

   (i) 129.50° (ii) 130.50° (iii) 127.50° (iv) 128.50° (v) 131.50°

6. At what time between 0 hr and 1 hr, the angle between the minute and hour hands is 231.00°?

   (i) 00:40:00 (ii) 00:39:00 (iii) 00:42:00 (iv) 00:45:00 (v) 00:44:00

7. What is the time between 11 hr and 12 hr when the two hands coincide?

   (i) 00:03:00 (ii) 11:57:00 (iii) 00:02:00 (iv) 11:58:00 (v) 00:00:00

8. What is the time between 6 hr and 7 hr, when the two hands are perpendicular to each other?

   (i) 06:18:22 and 06:51:05 (ii) 06:13:22 and 06:46:05 (iii) 06:19:22 and 06:52:05

   (iv) 06:16:22 and 06:49:05 (v) 06:14:22 and 06:47:05

9. What is the time between 8 hr and 9 hr, when the two hands are opposite to each other?

   (i) 08:08:55 (ii) 08:12:55 (iii) 08:13:55 (iv) 08:10:55 (v) 08:07:55

10. A watch which gains time uniformly was observed to be 1 min slow at 10:38 AM on a day. At 07:26 PM on the same day it was 1 min fast. At what time did the watch show the correct time?

    (i) 02:59 PM (ii) 03:02 PM (iii) 03:00 PM (iv) 03:05 PM (v) 03:04 PM

11. A watch which gains time uniformly was observed to be 6 min slow at 08:07 AM on a day and 1 min fast at 01:24 PM on the next day. At what time did the watch show the correct time?

    (i) 09:16 AM next day (ii) 09:10 AM next day (iii) 09:15 AM next day (iv) 09:13 AM next day

    (v) 09:11 AM next day

12. A watch which looses time uniformly showed 3 min fast on a day when the correct time was 10:27 AM. It was observed to be 2 min slow at 04:45 PM on the same day. When did the watch show the correct time?

    (i) 02:16 PM (ii) 02:11 PM (iii) 02:15 PM (iv) 02:10 PM (v) 02:13 PM

13. A watch which looses time uniformly showed 2 min fast on a day when the correct time was 09:09 AM. It was observed to be 2 min slow at 01:55 PM on the next day. When did the watch show the correct time?

   (i) 11:29 PM (ii) 11:34 PM (iii) 11:35 PM (iv) 11:32 PM (v) 11:30 PM

14. A clock was set at 02:47 PM on 10th January. On 11th January, at 09:47 PM, the clock showed 09:55 PM. If the clock showed 00:47 PM on 12th January, what was the correct time then?

   (i) 00:33:11 PM (ii) 00:37:11 PM (iii) 00:35:11 PM (iv) 00:32:11 PM (v) 00:38:11 PM

15. A clock was set at 02:31 PM on 18th August. On 19th August, at 07:31 PM, the clock showed 07:23 PM. If the clock showed 07:31 AM on 20th August, what was the correct time then?

   (i) 07:42:21 AM (ii) 07:39:21 AM (iii) 07:40:21 AM (iv) 07:45:21 AM (v) 07:44:21 AM

16. If the time in a clock is 9 hr 7 min, then what time does its mirror image show?

   (i) 02:50 (ii) 02:53 (iii) 02:51 (iv) 02:55 (v) 02:56

17. In 22.00 min, the minute hand makes

   (i) 130.00° (ii) 134.00° (iii) 132.00° (iv) 133.00° (v) 131.00°

18. In 11.00 min, the hour hand makes

   (i) 7.50° (ii) 4.50° (iii) 5.50° (iv) 6.50° (v) 3.50°

19. In how many minutes, the minute hand makes an angle of 54.00°?

   (i) 10 min (ii) 11 min (iii) 7 min (iv) 8 min (v) 9 min

20. In how many minutes, the hour hand makes an angle of 8.50°?

   (i) 15 min (ii) 17 min (iii) 16 min (iv) 18 min (v) 19 min

21. What is the angle between the minute and hour hands at 10:25?

   (i) 164.50° (ii) 162.50° (iii) 161.50° (iv) 163.50° (v) 160.50°

22. At what time between 11 hr and 12 hr, the angle between the minute and hour hands is 154.00°?

   (i) 11:30:00 (ii) 11:35:00 (iii) 11:32:00 (iv) 11:29:00 (v) 11:34:00

23. What is the time between 7 hr and 8 hr when the two hands coincide?

   (i) 07:38:11 (ii) 07:41:11 (iii) 07:36:11 (iv) 07:35:11 (v) 07:40:11

24. What is the time between 1 hr and 2 hr, when the two hands are perpendicular to each other?

   (i) 01:19:49 (ii) 01:23:49 (iii) 01:21:49 (iv) 01:18:49 (v) 01:24:49

25. What is the time between 6 hr and 7 hr, when the two hands are opposite to each other?

   (i) 06:00:00 (ii) 06:02:00 (iii) 06:03:00 (iv) 05:57:00 (v) 05:58:00

26. A watch which gains time uniformly was observed to be 3 min slow at 02:25 PM on a day. At 09:13 PM on the same day it was 2 min fast. At what time did the watch show the correct time?

   (i) 06:26 PM (ii) 06:27 PM (iii) 06:31 PM (iv) 06:29 PM (v) 06:32 PM

27. A watch which gains time uniformly was observed to be 6 min slow at 02:44 PM on a day and 4 min fast at 11:14 PM on the next day. At what time did the watch show the correct time?

   (i) 10:16 AM next day   (ii) 10:11 AM next day   (iii) 10:17 AM next day   (iv) 10:12 AM next day

   (v) 10:14 AM next day

28. A watch which looses time uniformly showed 2 min fast on a day when the correct time was 11:27 AM. It was observed to be 1 min slow at 03:11 PM on the same day. When did the watch show the correct time?

   (i) 01:58 PM   (ii) 01:53 PM   (iii) 01:54 PM   (iv) 01:59 PM   (v) 01:56 PM

29. A watch which looses time uniformly showed 3 min fast on a day when the correct time was 00:28 PM. It was observed to be 1 min slow at 08:43 PM on the next day. When did the watch show the correct time?

   (i) 00:41 PM next day   (ii) 00:37 PM next day   (iii) 00:39 PM next day   (iv) 00:42 PM next day

   (v) 00:36 PM next day

30. A clock was set at 10:53 AM on 7th January. On 8th January, at 05:53 PM, the clock showed 06:00 PM. If the clock showed 06:53 AM on 9th January, what was the correct time then?

   (i) 06:45:07 AM   (ii) 06:41:07 AM   (iii) 06:40:07 AM   (iv) 06:43:07 AM   (v) 06:46:07 AM

31. A clock was set at 06:39 AM on 12th March. On 13th March, at 08:39 AM, the clock showed 08:29 AM. If the clock showed 10:39 AM on 14th March, what was the correct time then?

   (i) 10:59:07 AM   (ii) 11:01:07 AM   (iii) 11:02:07 AM   (iv) 10:57:07 AM   (v) 10:56:07 AM

32. If the time in a clock is 8 hr 47 min, then what time does its mirror image show?

   (i) 03:11   (ii) 03:10   (iii) 03:13   (iv) 03:16   (v) 03:15

Assignment Key

1) (iv)	2) (v)	3) (iv)	4) (iii)	5) (i)	6) (iii)
7) (v)	8) (iv)	9) (iv)	10) (ii)	11) (iv)	12) (v)
13) (iv)	14) (iii)	15) (i)	16) (ii)	17) (iii)	18) (iii)
19) (v)	20) (ii)	21) (ii)	22) (iii)	23) (i)	24) (iii)
25) (i)	26) (iv)	27) (v)	28) (v)	29) (iii)	30) (iv)
31) (i)	32) (iii)				